System 17, 18, 19, 20 & 21 – Reference Data

COMPONENTS OF CONTRACT PLANS SET (SEGMENT 2)

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS
INTELLIGENT TRANSPORTATION SYSTEMS (ITS) PLANS
LIGHTING PLANS
LANDSCAPE PLANS
STRUCTURE PLANS

SUBMITTAL NO.
S02RDW-RFC

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 249581-1-52-01
(FEDERAL FUNDS)

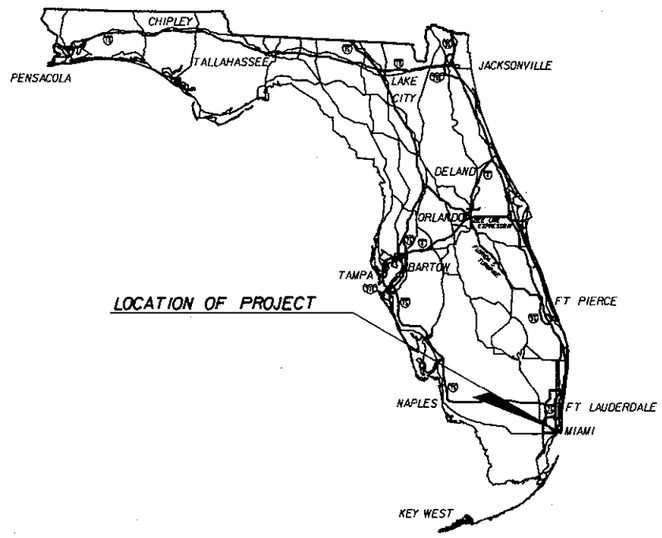
MIAMI-DADE COUNTY (87260)

STATE ROAD NO. 826 (PALMETTO EXPRESSWAY)

SR-826/SR-836 INTERCHANGE

SECTION 5

SEGMENT 2



INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
2-1	KEY SHEET
2-2 - 2-7	TYPICAL SECTIONS
2-8	TYPICAL SECTIONS DETAILS
2-9 - 2-10	SUMMARY OF QUANTITIES
2-11 - 2-15	SUMMARY OF DRAINAGE STRUCTURES
2-16 - 2-17	OPTIONAL MATERIALS TABULATION
2-18	GENERAL NOTES
CTL-1 - CTL-4	PROJECT NETWORK CONTROL
CACD	COORDINATE AND CURVE DATA
CASD	COORDINATE AND SPIRAL DATA
2-19 - 2-24	ROADWAY PLANS
2-25 - 2-27	MISCELLANEOUS DETAILS
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2-50 - 2-57	RAMP TERMINAL DETAILS
2-58 - 2-62	DRAINAGE PLANS
2-63 - 2-108	DRAINAGE STRUCTURES
2-109	DRAINAGE DETAILS
2-110 - 2-113	RETENTION PONDS DETAILS
2-114 - 2-115	CROSS SECTION PATTERN SHEET
2-116 - 2-179	CROSS SECTIONS
2-180	ROADWAY SOIL SURVEY
UA2-1 - UA2-5	UTILITY ADJUSTMENT SHEETS

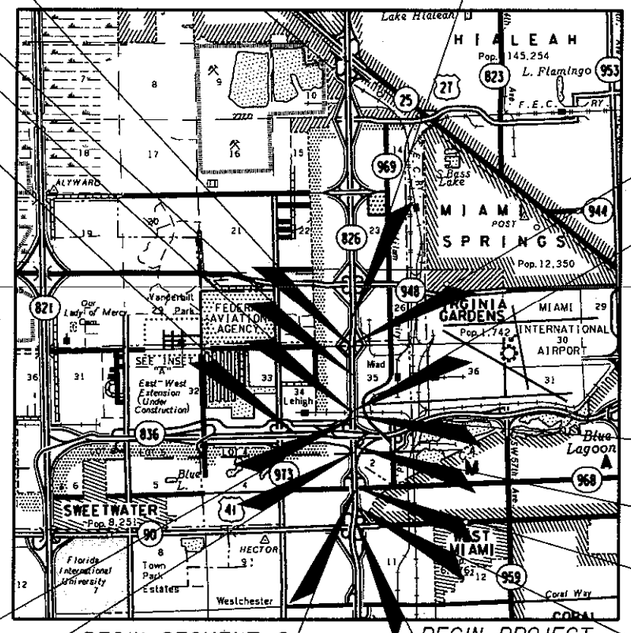
BEGIN BRIDGE
STA. 185+03.34
℄ SR-826

EQUATION
STA. 2097+81.66 ℄ S.R. 826 NB BACK=
STA. 171+94.87 ℄ SR-826 AHEAD

BEGIN BRIDGE No. 29B
STA. 2064+60.54
℄ SR-826 NB

BEGIN CONSTRUCTION
STA. 1033+75.00
℄ SR-836 EB

END PROJECT
STA. 208+50.00
℄ SR-826



END BRIDGE
STA. 186+40.34
℄ SR-826

END BRIDGE No. 29B
STA. 2065+77.60
℄ SR-826 NB

END BRIDGE No. 30B
STA. 2059+76.96
℄ SR-826 NB

END BRIDGE No. 43
STA. 2038+87.55
℄ SR-826 NB

END BRIDGE No. 16B
STA. 2013+47.49
℄ SR-826 NB

EQUATION
STA. 2000+00.00 ℄ S.R. 826 N.B. AHEAD=
STA. 353+00.64 ℄ SR-826 BACK

END SEGMENT 2
BEGIN BRIDGE No. 30B
STA. 2058+37.31
℄ SR-826 NB

BEGIN BRIDGE No. 43
STA. 2037+64.55
℄ SR-826 NB

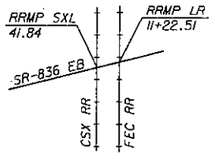
BEGIN SEGMENT 2
BEGIN BRIDGE No. 16B
STA. 2011+77.13
℄ SR-826 NB

BEGIN PROJECT
STA. 341+22.00
℄ SR-826
M.P. 6.064

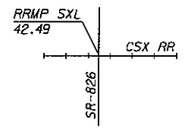
PROJECT LENGTH IS BASED ON ℄ S.R. 826 NB & ℄ S.R. 826 ...N

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	13,928.36	2.638
BRIDGES	687.07	0.130
NET LENGTH OF PROJECT	14,615.43	2.768
EXCEPTIONS	0.00	0.00
GROSS LENGTH OF PROJECT	14,615.43	2.768

FDOT PROJECT MANAGER: ALI TOGHIANI, P.E.



FEC RR CROSSING No. 272789N
CSXT RR CROSSING No. 628534F



CSX RR CROSSING No. 628537B

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2008,
AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2007,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 7-1-09
For Design Standards Modifications click on "Design Standards" at the following web site:
http://www.dot.state.fl.us/rddesign/

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:

JOSE MUNOZ, P.E.
BCC ENGINEERING
7300 N KENDALL DRIVE,
SUITE 400
MIAMI, FL 33156
PH: (305) 670-2350

PLANS PREPARED BY:

bcc engineering
7300 N Kendall Drive, Suite 400
Miami, Florida 33156
Phone: (305) 670-2350
Fax: (305) 670-2351

Certificate of Authorization No. 7184
Contract No. E-6F61 .
Vendor Identification No. 65-0540100

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION

JOSE ANTONIO MUNOZ LICENSE No. 58714 STATE OF FLORIDA PROFESSIONAL ENGINEER

KEY SHEET REVISIONS	
DATE	DESCRIPTION

ROADWAY PLANS
ENGINEER OF RECORD: JOSE MUNOZ, PE.

P.E. NO.: 58714

FISCAL YEAR	SHEET NO.
09	2-1

BEGIN SEGMENT 2
STA. 2013+77.49 ℄ S.R. 826 NB

N

0 20 100
Feet

3010
2010
3015
2015
2120
2125
625
SR 826 NB
RAMP N-F
SW 77TH AV
SW 76TH CT
SW 76TH AV
FLAGLER ST
NW FLGR TER.
720
725
730
S2-29
S2-36
127' OF 18" PIPE
251' OF 24" PIPE
S2-30
S2-31
75' OF 18" PIPE
S2-32
70' OF 18" PIPE
S2-33
S2-34
64' OF 18" PIPE
S2-35
50' OF 18" PIPE
S2-21
S2-22
31' OF 18" PIPE
S2-24
POND 5-2
300' OF 24" FD
S2-2
S2-8
70' OF 24" PIPE
46' OF 24" PIPE
S10-13
S2-7
S2-10
S2-1
100' OF 18" PIPE
73' OF 14"x23" ERCP
RAMP FLGRPC-1
S2-6
86' OF 18" PIPE
RAMP FLGRPC
S2-3
22' OF 18" PIPE
S2-9
CAP EXIST. PIPE (TO REMAIN)
S2-4
75' OF 24" FD
POND 5-5
S2-5
MATCH LINE STA. 2020+00.00 ℄ S.R. 826 NB

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0001797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS

SHEET NO. 2-58

malfonso 3/30/2011 3:26:36 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRPLAN02-01.dgn

N

0 20 100

Feet

MATCH LINE STA. 2020+00.00 ℄ S.R. 826 NB

MATCH LINE STA. 2034+00.00 ℄ S.R. 826 NB

SR 826 NB

RAMP F LGRPC

RAMP FLGRPC-1

RAMP N-W

RAMP N-E

RAMP N-F

NW 2ND TE

NW 3RD ST

NW 4TH ST

NW 5TH ST

NORTHWEST BLVD.

90' OF 18" PIPE

246' OF 24" PIPE

243' OF 30" PIPE

98' OF 18" PIPE

131' OF 30" PIPE

109' OF 30" PIPE

107' OF 30" PIPE

118' OF 30" PIPE

300' OF 18" PIPE

275' OF 42" PIPE

788' OF 42" PIPE

206' OF 42" PIPE

44' OF 18" PIPE

13' OF 18" PIPE

59' OF 18" PIPE

37' OF 18" PIPE

134' OF 36" PIPE

108' OF 18" PIPE

24' OF 18" PIPE

76' OF 36" PIPE

100' OF 24" FD

POND 5-4

88' OF 42" PIPE

8' OF 18" PIPE

104' OF 18" PIPE

63' OF 18" PIPE

10' OF 18" PIPE

61' OF 18" PIPE

65' OF 18" PIPE

181' OF 36" PIPE

6' OF 36" PIPE

123' OF 24" FD

POND 5-7

22' OF 18" PIPE

131' OF 36" PIPE

222' OF 36" PIPE

CAP EXIST. PIPE (TO REMAIN)

CAP EXIST. PIPE (TO REMAIN)

CAP EXIST. PIPE (TO REMAIN)

POND 5-8

89' OF 36" PIPE

81' OF 72"19"x30" ERCP

POND 5-6

100' OF 24" FD

14' OF 18" PIPE

18' OF 18" PIPE

3025 3125 3030 3130 2625 2630 2825 2830 2730 2740 735 20

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007791
Arnelio Alfonso, P.E. No. 52566

ENGINEERS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS

SHEET NO. 2-59

nsanchez 4/15/2011 4:46:50 PM p:\249581\5201-Section 5\Segment 2\Drainage\DRPLAN02-02.dgn

N

0 20 100

Feet

SR 826 NB

RAMP N-W

RAMP N-E

RAMP NFLE

RAMP N-F

RAMP 72C2

POND 2-6

POND 2-4

POND 2-14

POND 5-8

POND 2-15

NORTH LINE CANAL

NW 76TH AV

NW 7TH ST

NW 8TH ST

92' OF 18" PIPE

42' OF 18" PIPE

13' OF 18" PIPE

27' OF 18" PIPE

25' OF 18" PIPE

52' OF 18" PIPE

50' OF 18" PIPE

150' OF 24" FD

54' OF 30" PIPE

69' OF 30" PIPE

144' OF 18" PIPE

17' OF 18" PIPE

65' OF 30" PIPE

74' OF 18" PIPE

24' OF 18" PIPE

13' OF 18" PIPE

200' OF 24" FD

71' OF 30" PIPE

404' OF 20' CULVERT

100' OF 24" FD

45' OF 48" PIPE

125' OF 42" PIPE

113' OF 18" PIPE

46' OF 18" PIPE

200' OF 24" FD

38' OF 18" PIPE

253' OF 48" PIPE

46' OF 18" PIPE

94' OF 18" PIPE

92' OF 18" PIPE

MATCH LINE STA. 2034+00.00 ℄ S.R. 826 NB

MATCH LINE STA. 2048+00.00 ℄ S.R. 826 NB

MATCH LINE STA. 2748+00.00 ℄ S.R. 826 NB (SEE SHEET 2-62)

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-000779
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS

SHEET NO. 2-60

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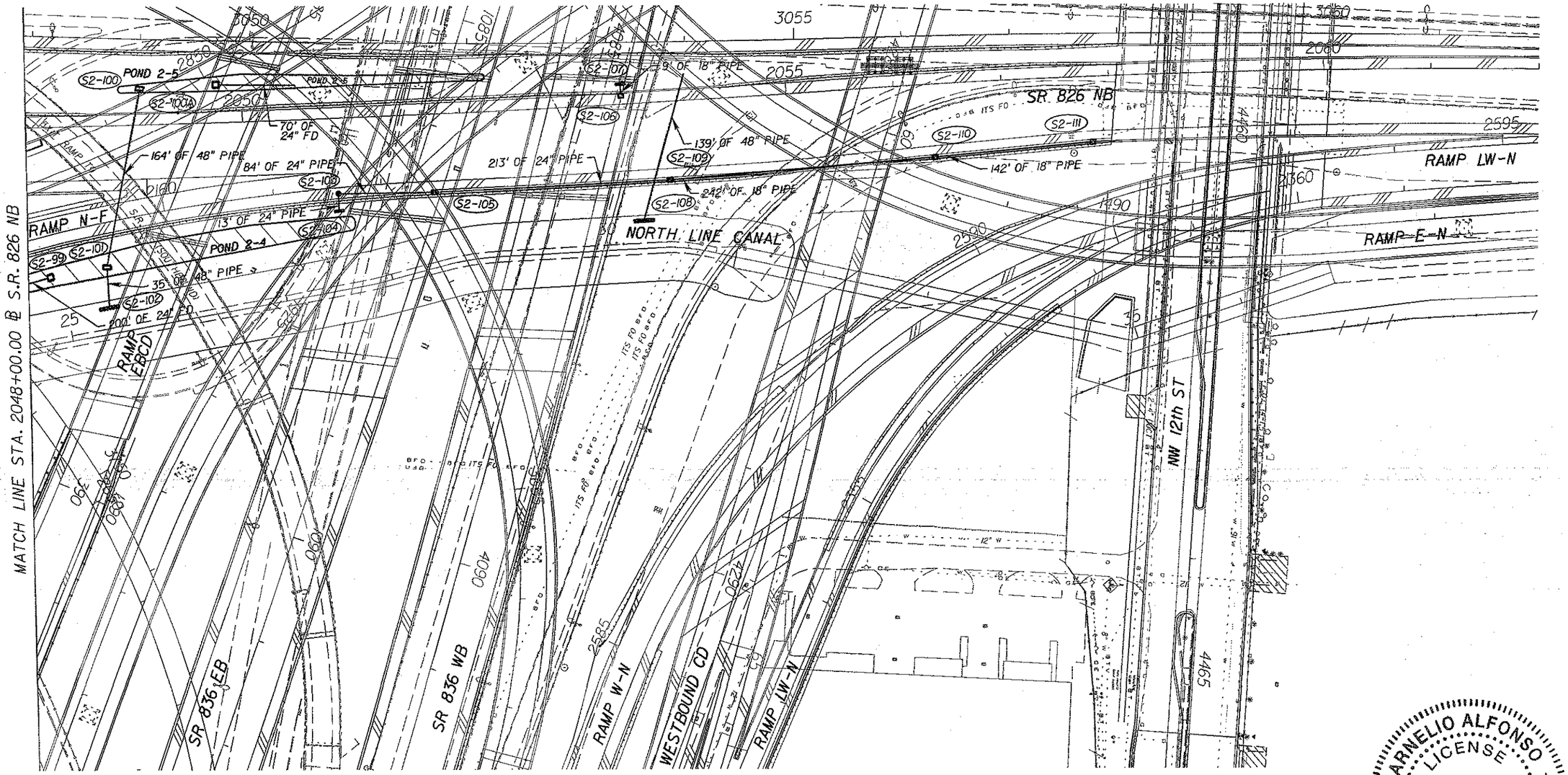

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. 7 EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS

SHEET NO. 2-61

d:\249581\1501-Section 5\Segment 2\Drainage\DRPLAN02-04.dgn 4/6/2011 11:22:33 AM

RAMP WBCD
4300
4095
RAMP W-S
3665
2575
3755
2655
SR-836 WB
4100
1095
3760
2660
1930
1100
SR-836 EB
EASTBOUND CD
1295
1935
2750
RAMP NE
2755
1940
1300
RAMP 72C-1
EASTBOUND CD
2215
RAMP NFLE
2220
400
RAMP 72C2
FOND 2-15
RAMP 72C-1
405
MATCH LINE (SEE SHEET 2-60) ℄ RAMP N-E STA. 2748+00.00
MILAM DAIRY RD.
BRIDGE 7D
7305
2570
BRIDGE 7F
4105
3765
2665
1105
BRIDGE 7B
BRIDGE 7E
2760
1305
2225
S2-126
45' OF 24" PIPE
S2-127
8' OF 24" PIPE
S2-128
S2-125
S2-124
200' OF 24" FD

N

0 20 100
Feet

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS

SHEET NO. 2-62

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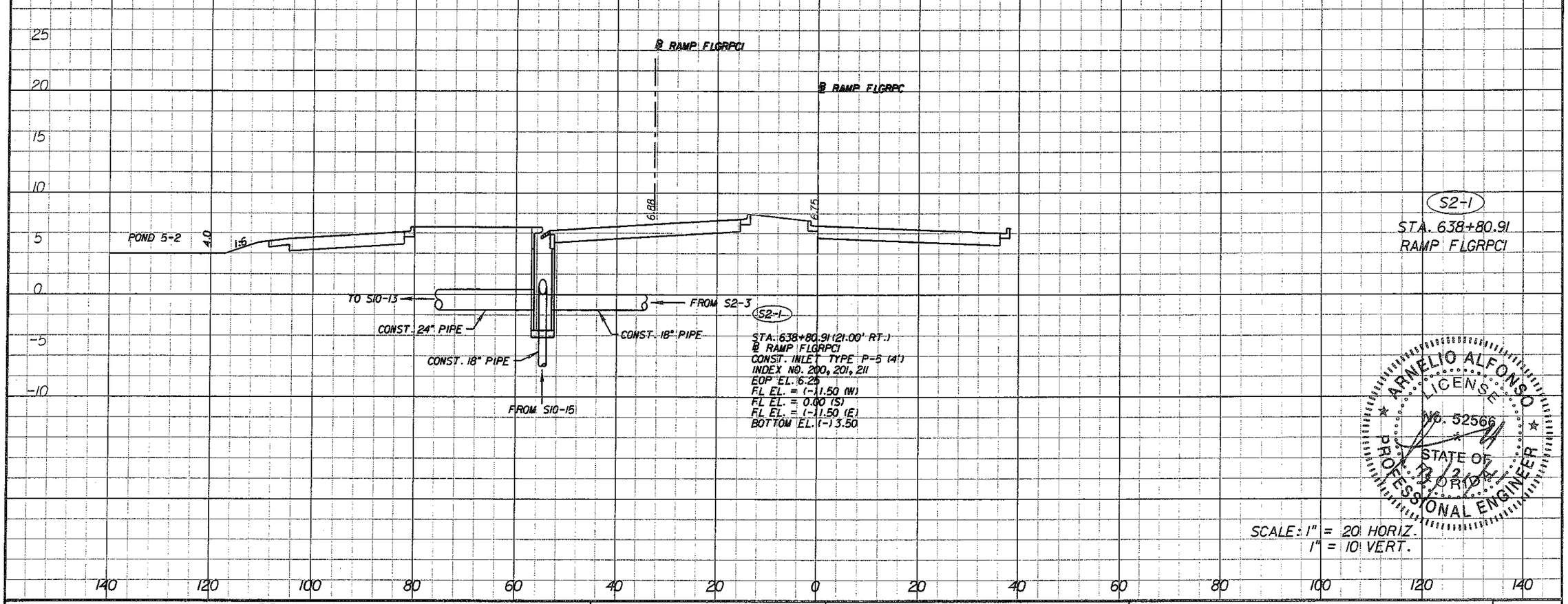


S2-1

STA. 638+80.91

RAMP FLGRPC1

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0001797
Arnelio Alfonso, P.E. No. 52566

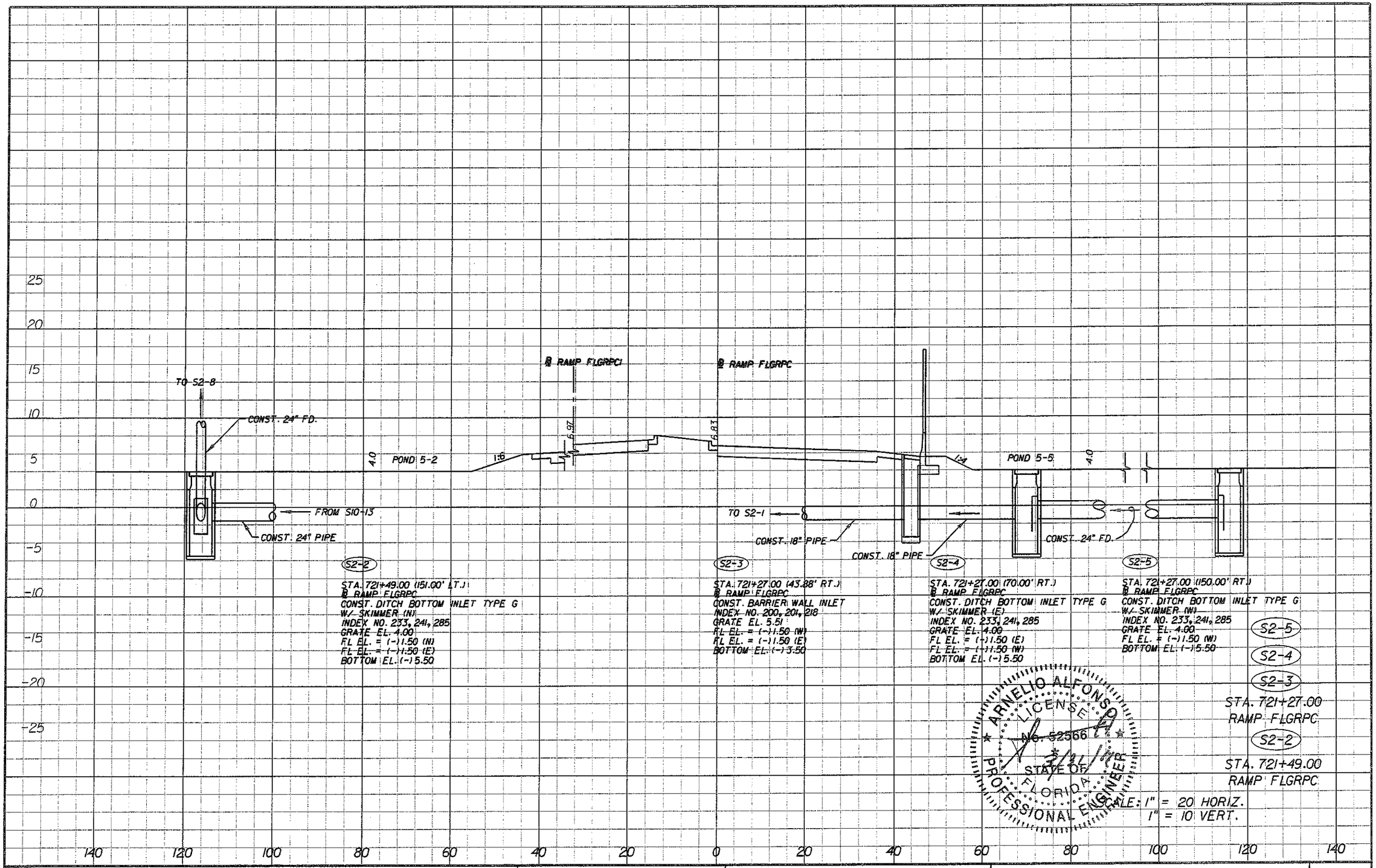
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-63

malfonso 3/30/2011 3:30:25 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSR001.DGN



ARNELIO ALFONSO LICENSED No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

ACT ENGINEERS
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1694
CA No. EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-64

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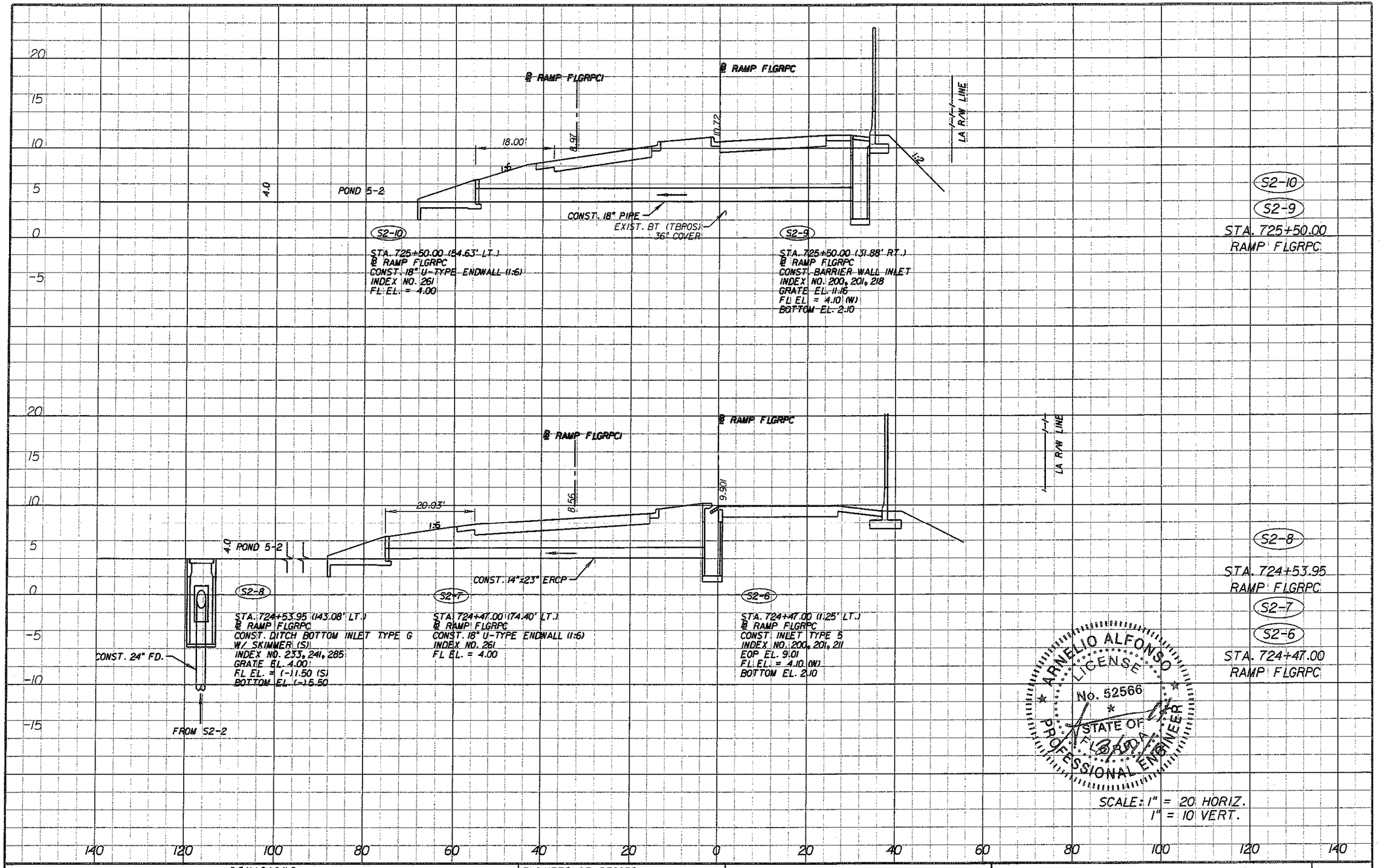

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0001737
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-65

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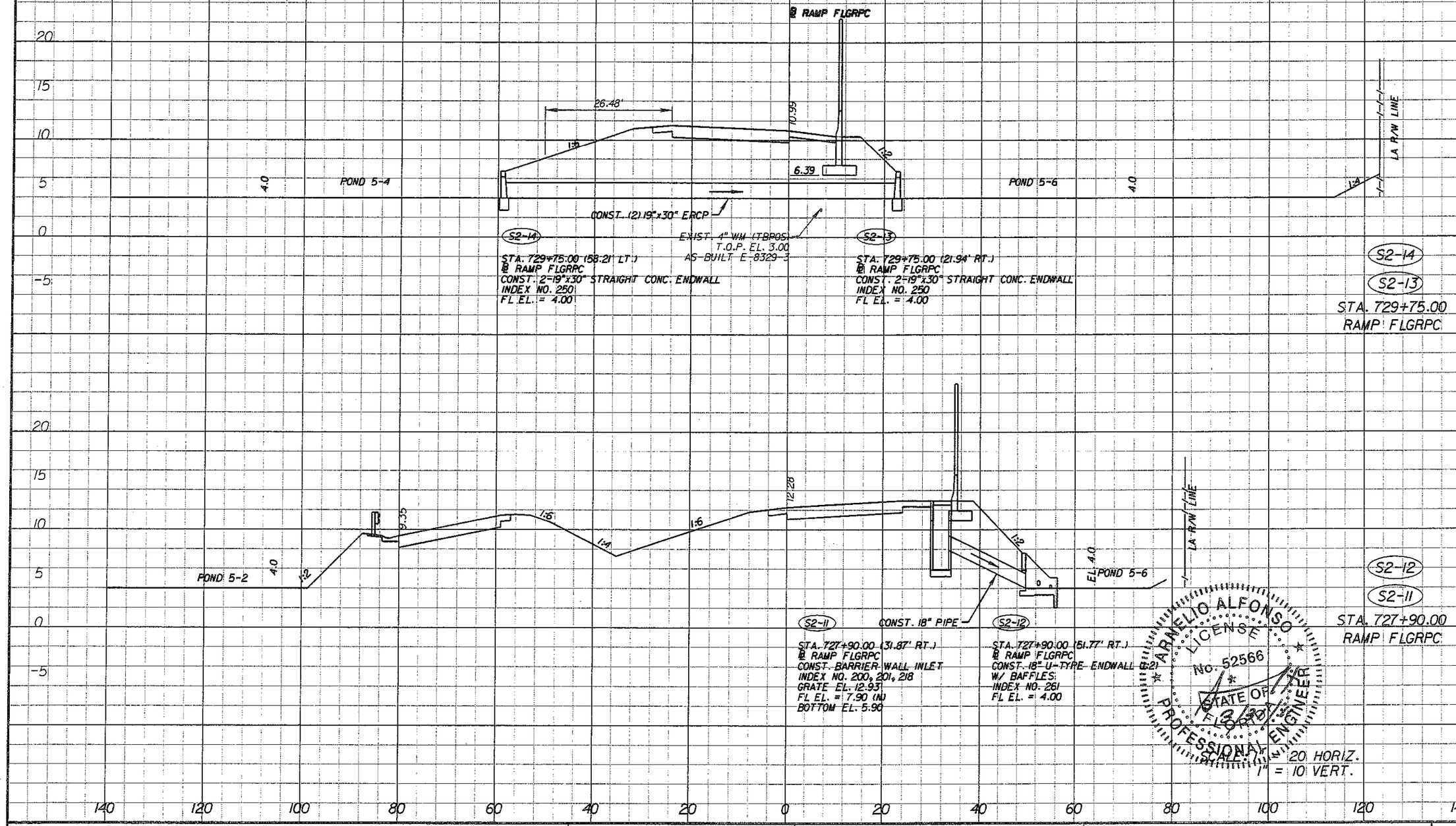


ARNELIO ALFONSO LICENSED No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

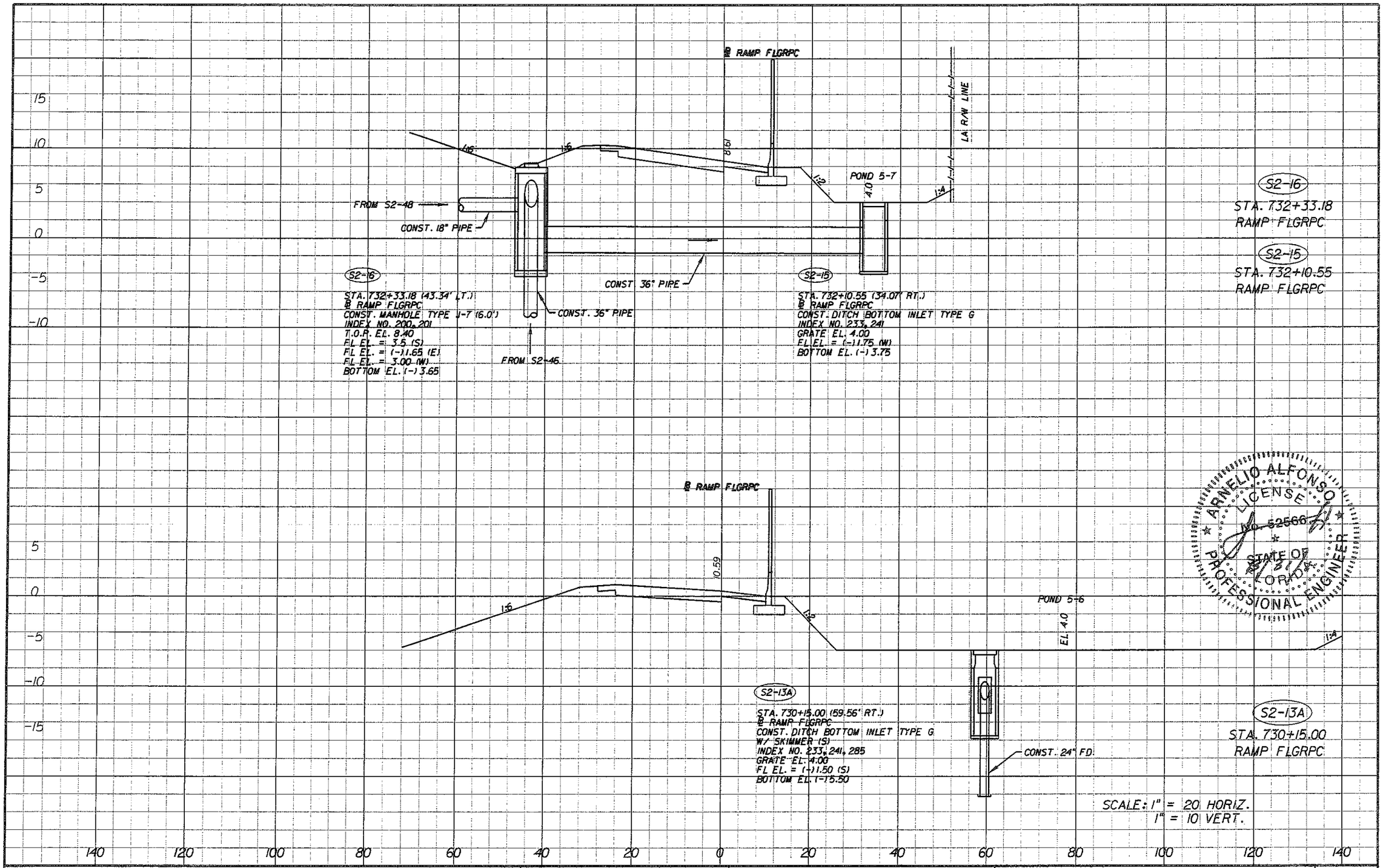
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-66

malfonso 3/30/2011 3:31:55 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSR001.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0001797
Arnelio Alfonso, P.E. No. 52566

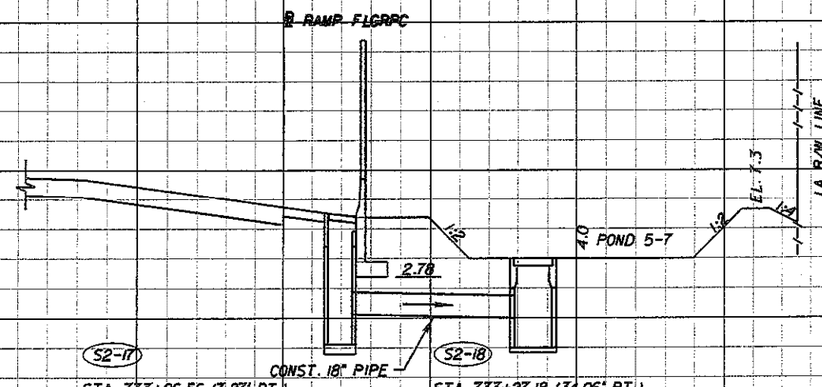
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-67

malfonso 3/30/2011 3:32:25 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSR001.DGN



S2-17
STA. 733+26.56 (7.87' RT.)
℄ RAMP FLGRPC
CONST. BARRIER WALL INLET
INDEX NO. 200, 201, 218
GRATE EL. 6.78
~~FL EL. = 0.25 (E)~~
BOTTOM EL. (-)1.75

S2-18
STA. 733+27.18 (34.06' RT.)
℄ RAMP FLGRPC
CONST. DITCH BOTTOM INLET TYPE G
INDEX NO. 233
GRATE EL. 4.00
~~FL EL. = 0.00 (W)~~
BOTTOM EL. (-)2.00

S2-18
STA. 733+27.18
RAMP FLGRPC

S2-17
STA. 733+26.56
RAMP FLGRPC

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1694
CA No.: EB-0007791
Arnelio Alfonso, P.E. No. 52566

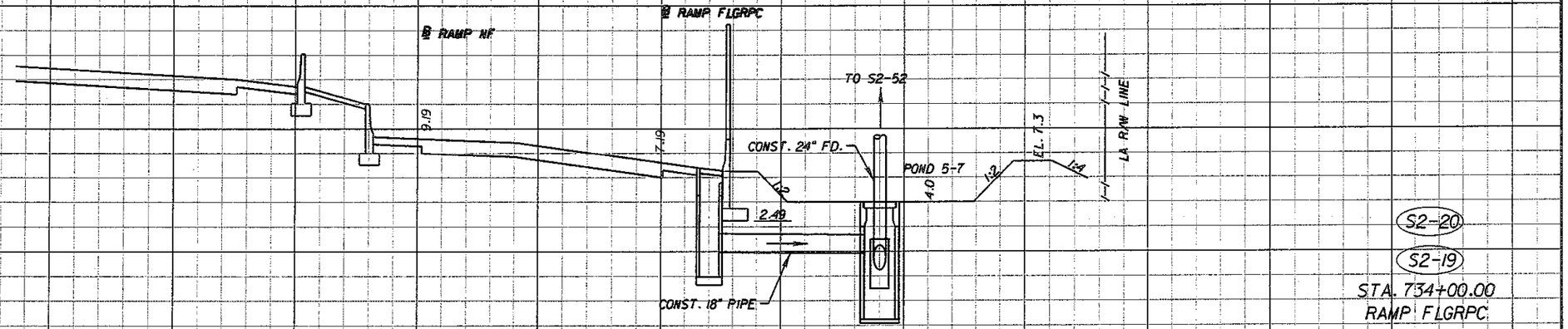
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-68

malfonso 3/30/2011 3:32:57 PM P:\249581\5201-Section 5\Segment 2\Drainage\DR\SR001.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

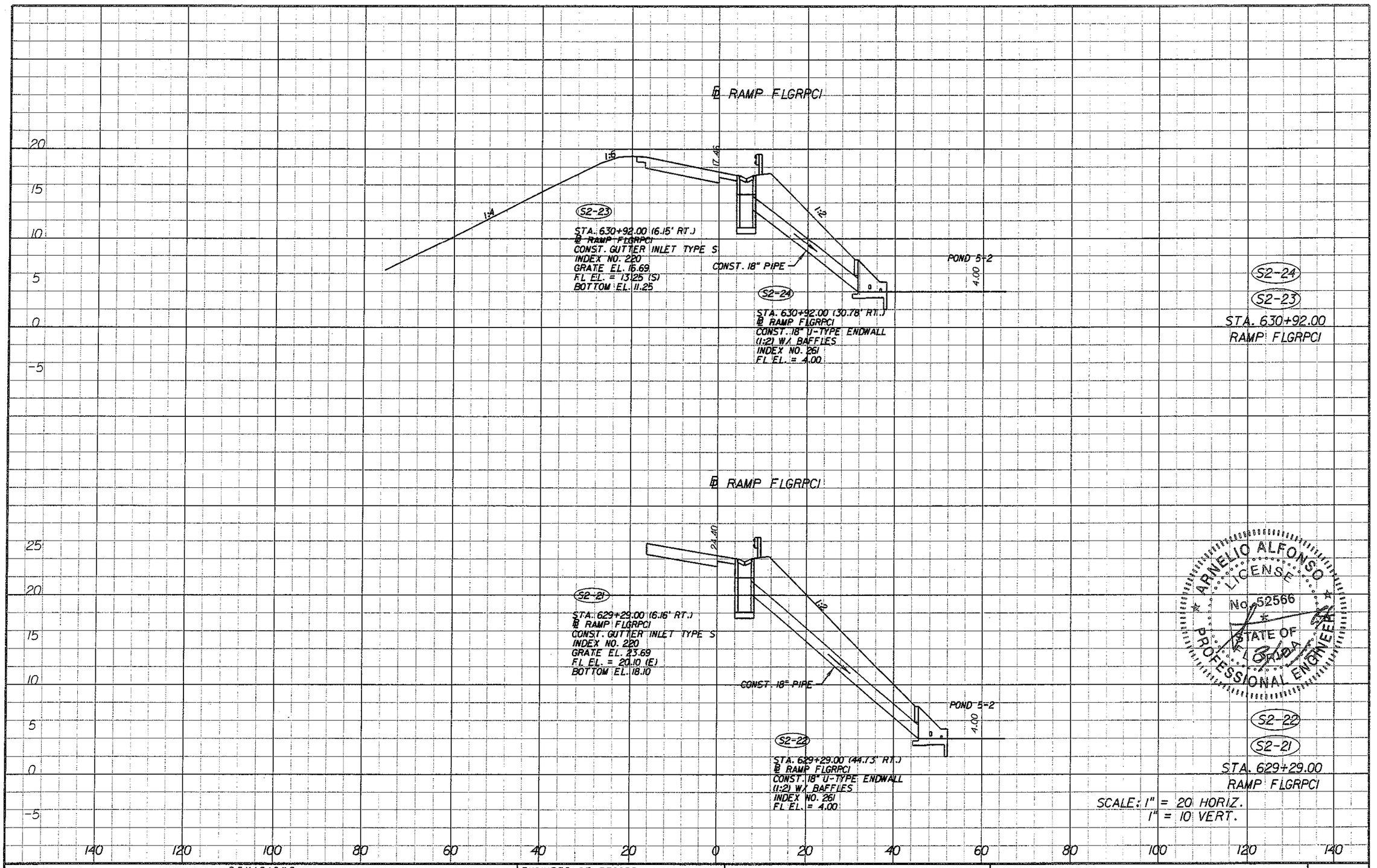
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-69



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 593-7283 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

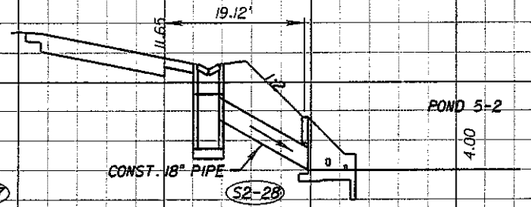
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-70

malfonso 3/30/2011 3:34:00 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRYSRD01.DGN



Ⓔ RAMP FLGRPCI

S2-27

STA. 632+32.76 (6.13' RT.)
Ⓔ RAMP FLGRPCI
CONST. GUTTER INLET TYPE S
INDEX NO. 220
GRATE EL. 10.89
FL EL. = 7.45 (S)
BOTTOM EL. 5.45

S2-28

STA. 632+32.76 (18.81' RT.)
Ⓔ RAMP FLGRPCI
CONST. 18" U-TYPE ENDWALL
(1:2) W/ BAFFLES
INDEX NO. 261
FL EL. = 4.00

S2-28
S2-27
STA. 632+32.76
RAMP FLGRPCI

Ⓔ RAMP FLGRPCI

S2-26

STA. 631+30.00 (62.93' LT.)
Ⓔ RAMP FLGRPCI
CONST. 36" STRAIGHT CONC. ENDWALL
INDEX NO. 250
FL EL. = 4.00

S2-25

STA. 631+30.00 (26.27' RT.)
Ⓔ RAMP FLGRPCI
CONST. 36" STRAIGHT CONC. ENDWALL
INDEX NO. 250
FL EL. = 4.00

S2-26
S2-25
STA. 631+30.00
RAMP FLGRPCI

ARNELIO ALFONSO
LICENSE
No. 52566
3/31/11
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL. 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

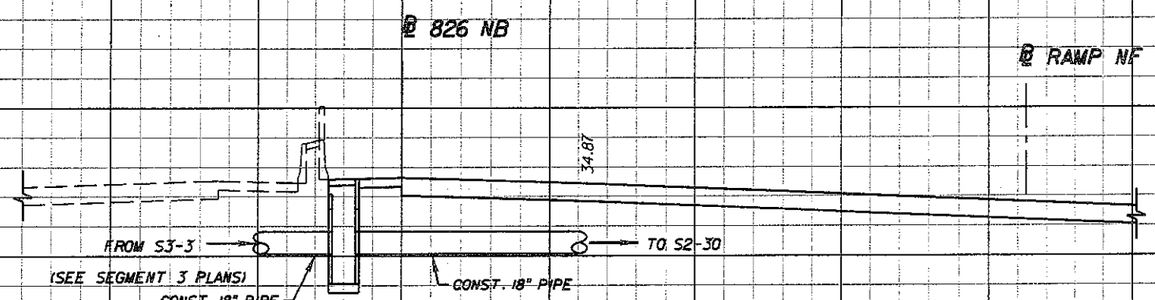
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-71

malfonso 3/30/2011 3:34:25 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD01.DGN



S2-29

STA. 2014+00.00 (8.03' LT.)
℄ 826 NB
CONST. BARRIER WALL INLET
INDEX NO. 200, 201, 218
GRATE EL. 35.18
FL EL. = 30.15 (E)
FL EL. = 30.15 (W)
BOTTOM EL. 28.15

S2-29
STA. 2014+00.00
826 NB

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

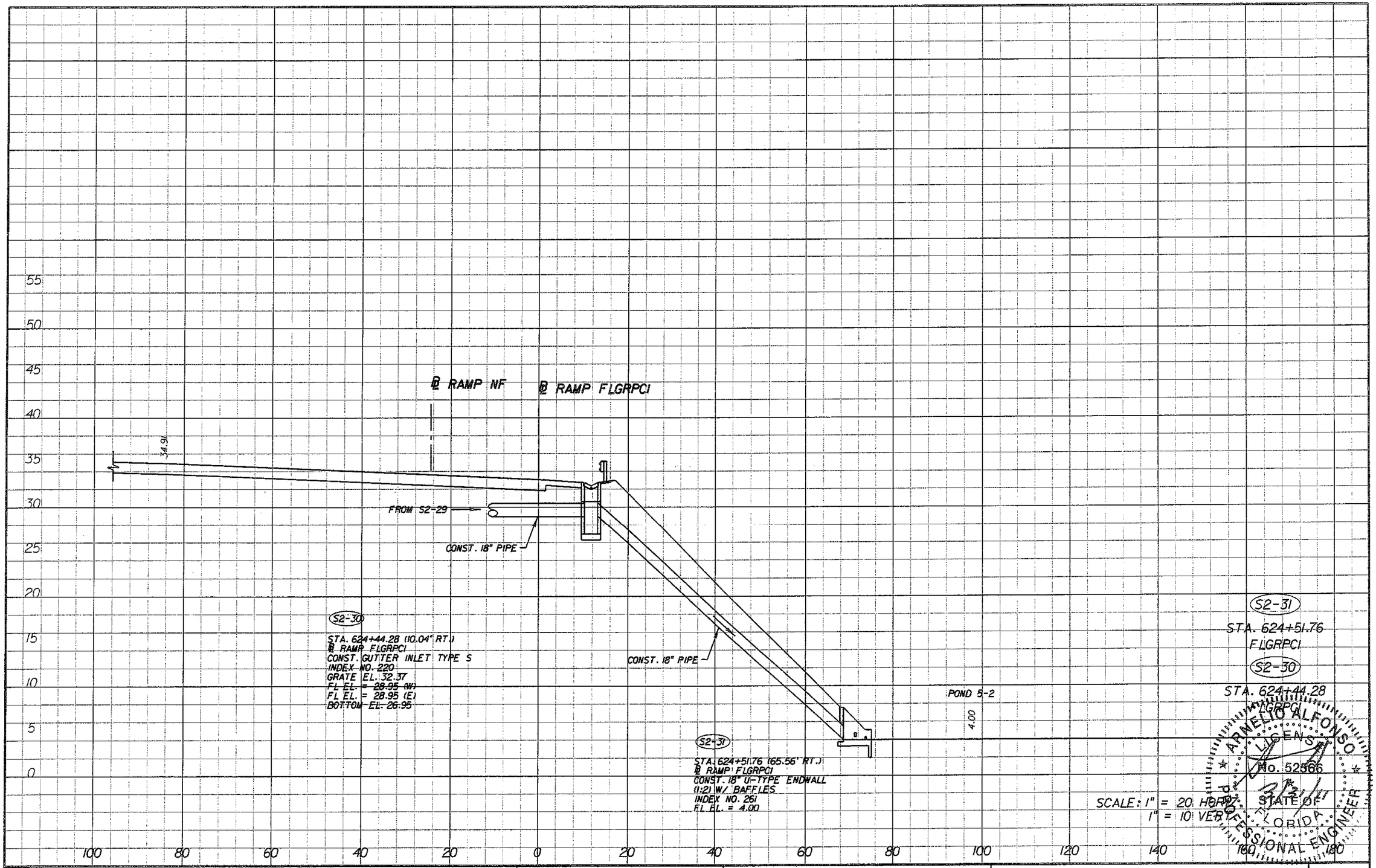
ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007791
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-72



ARMELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. EB-0001797
Arnelio Alfonso, P.E. No. 52566

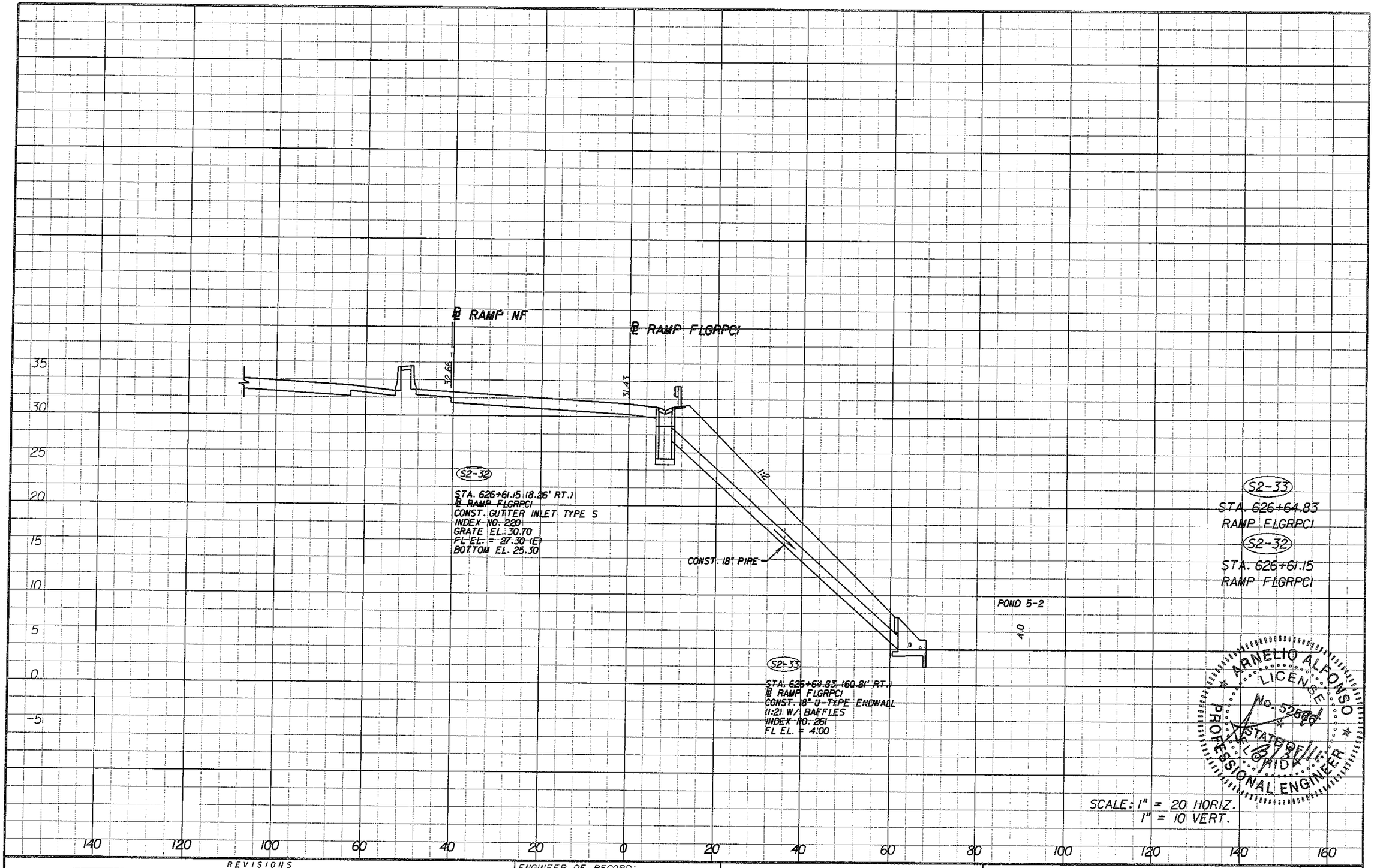
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-73

malfonso 3/30/2011 3:36:03 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

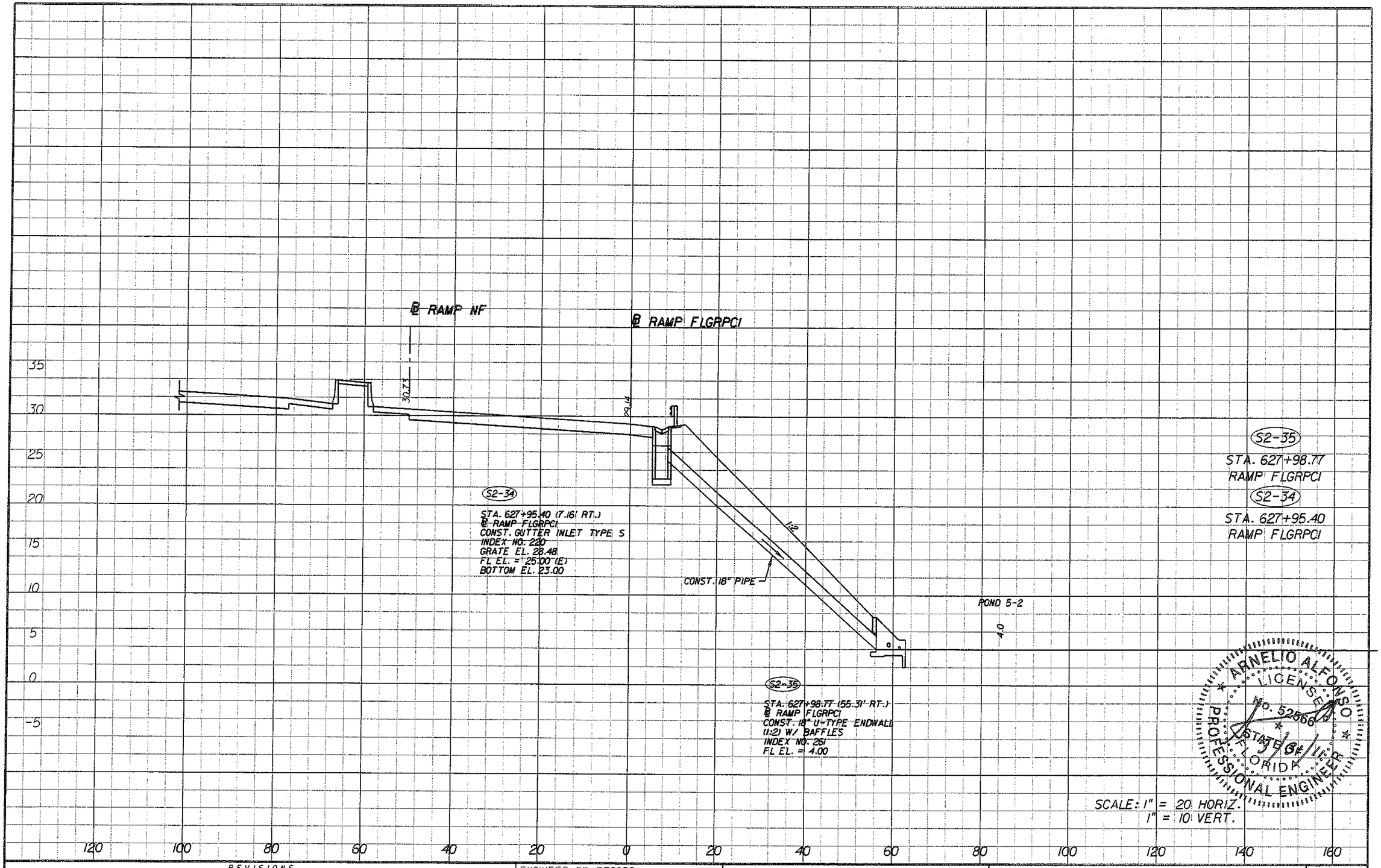
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0002981
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-74



(S2-34)
STA. 627+95.40 (7.16' RT.)
℄ RAMP FLGRPCI
CONST. GUTTER INLET TYPE S
INDEX NO. 220
GRATE EL. 28.48
FL EL. = 25.00 (E)
BOTTOM EL. 23.00

(S2-35)
STA. 627+98.77 (55.31' RT.)
℄ RAMP FLGRPCI
CONST. 18" U-TYPE ENDWALL
1:2 W/ BAFFLES
INDEX NO. 261
FL EL. = 4.00

(S2-35)
STA. 627+98.77
RAMP FLGRPCI

(S2-34)
STA. 627+95.40
RAMP FLGRPCI

ARNELIO ALFONSO
LICENSED
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

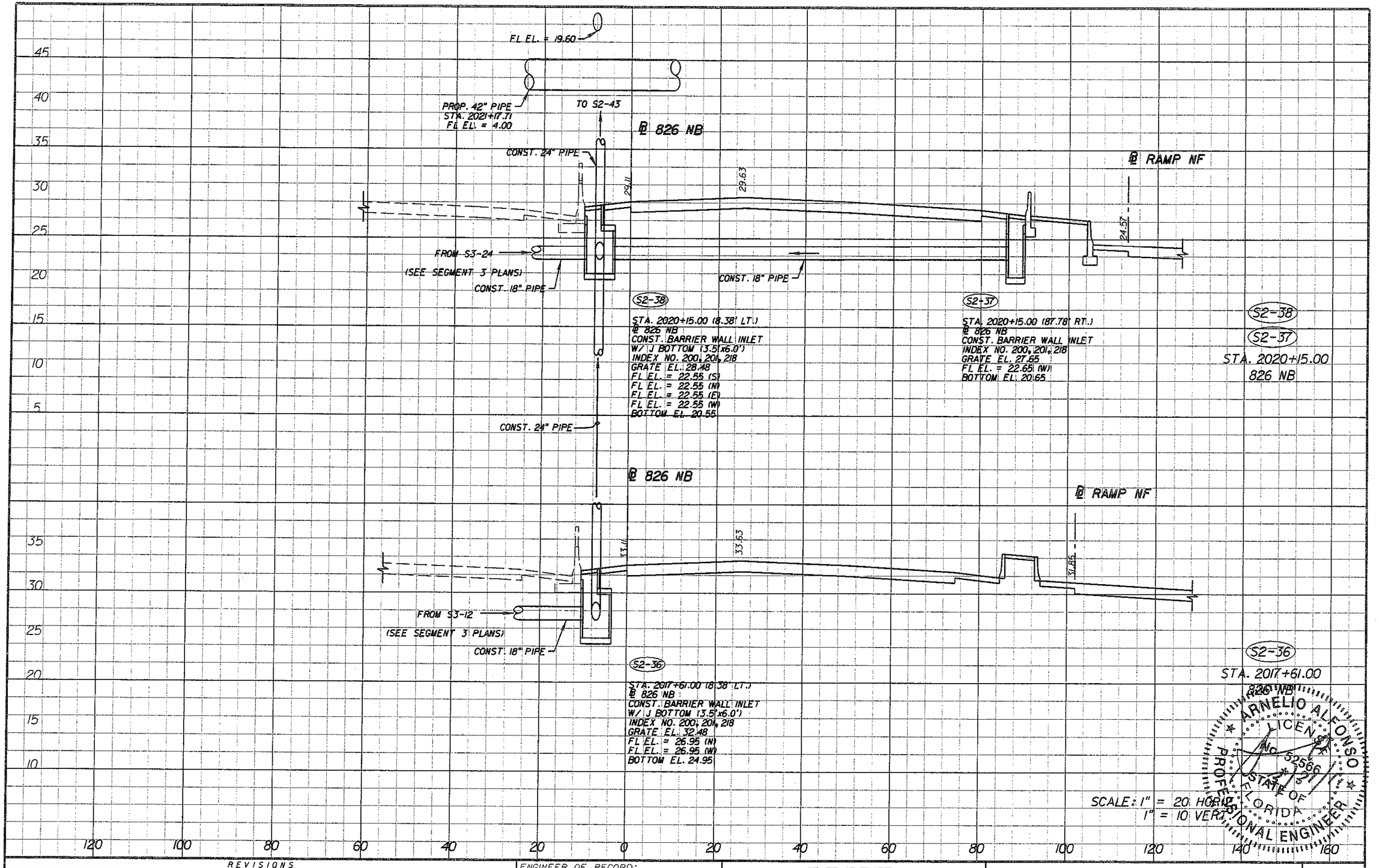
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-75

malfonso 3/30/2011 3:36:52 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007791
Arnelio Alfonso, P.E. No. 52566

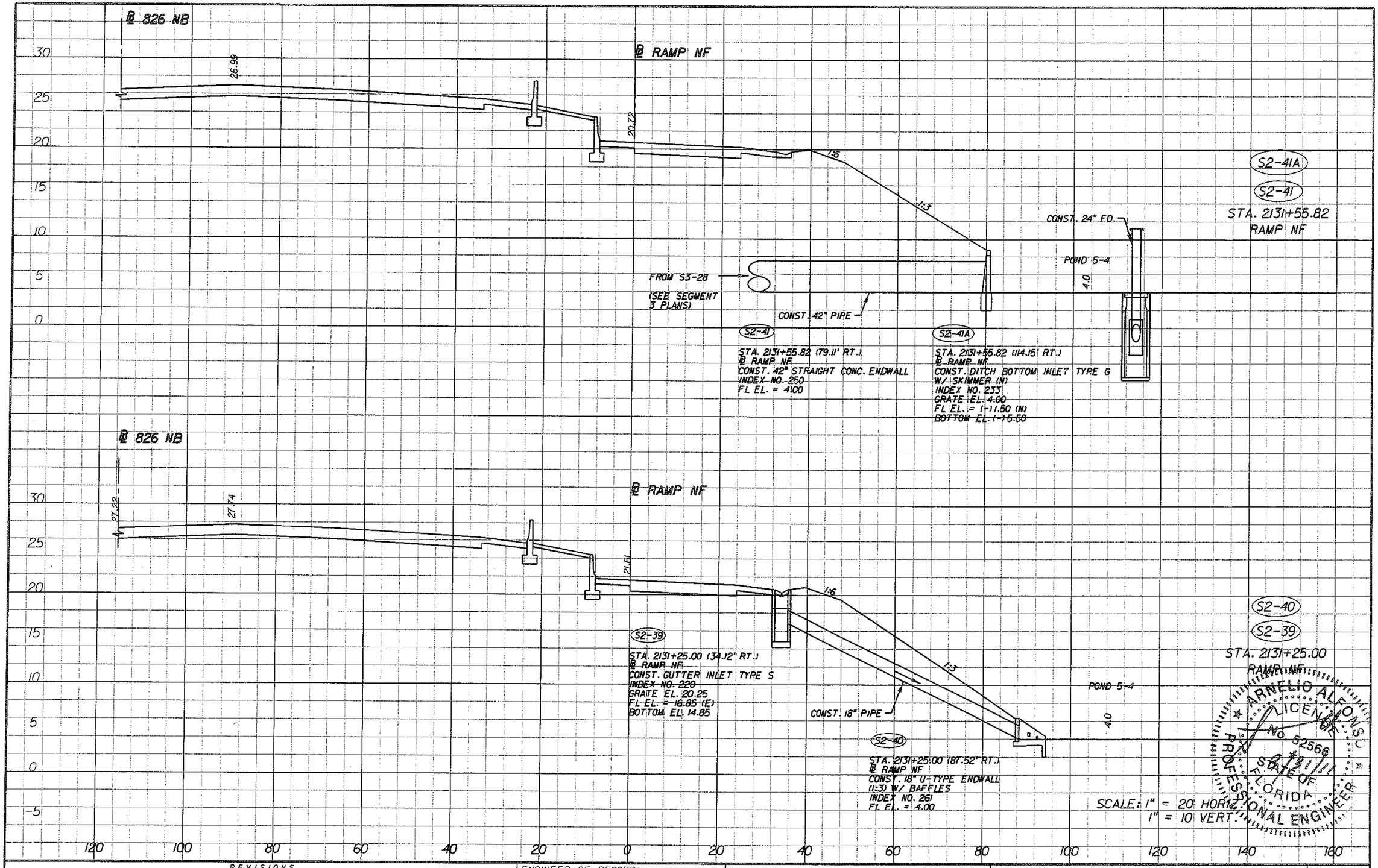
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-76

malfonso 3/30/2011 3:37:19 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

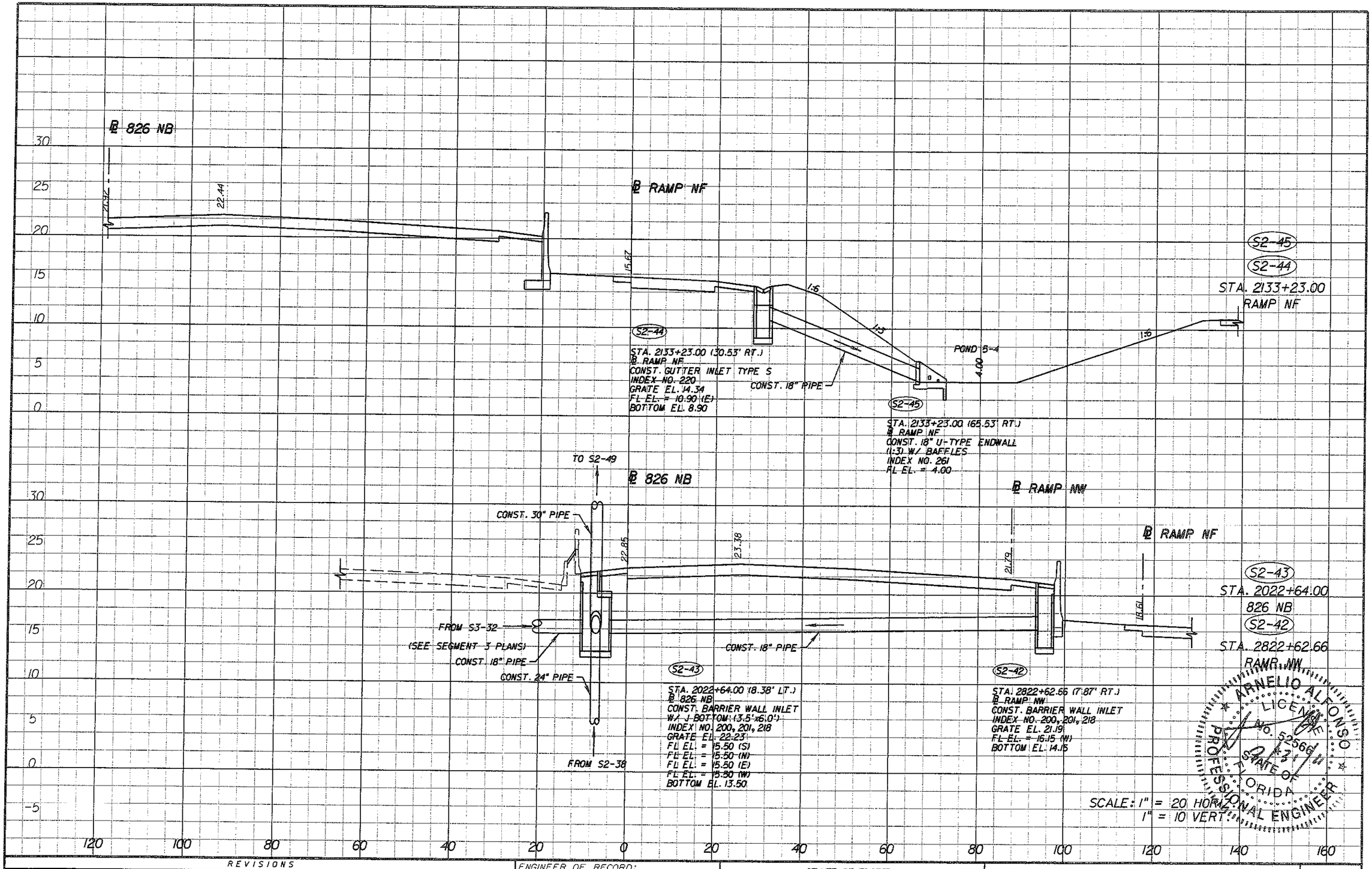
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-77

malfonso 3/30/2011 3:57:51 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSR002.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

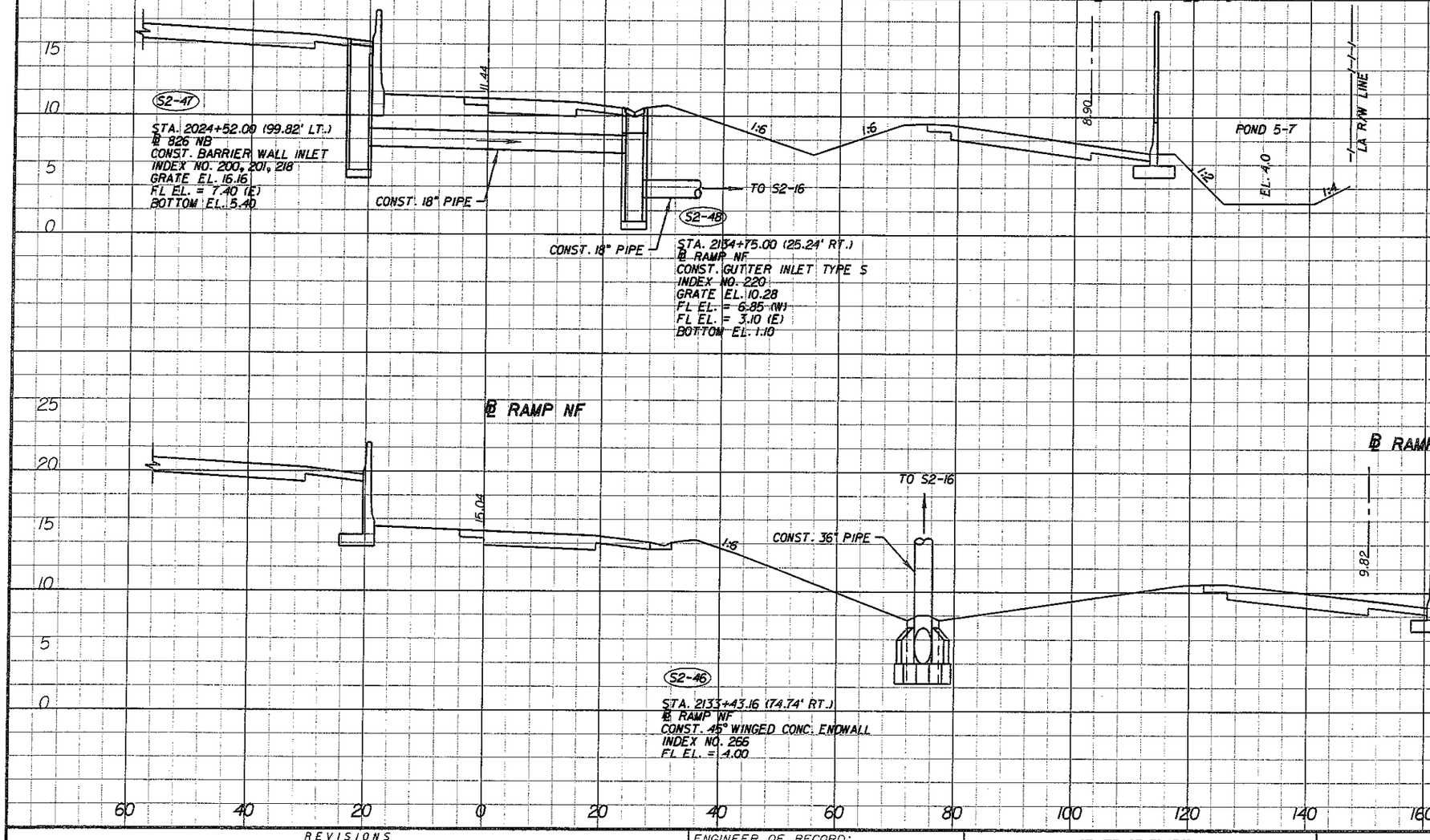
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. - EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-78

malfonso 3/30/2011 3:38:13 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSR002.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007791
Arnelio Alfonso, P.E. No. 52566

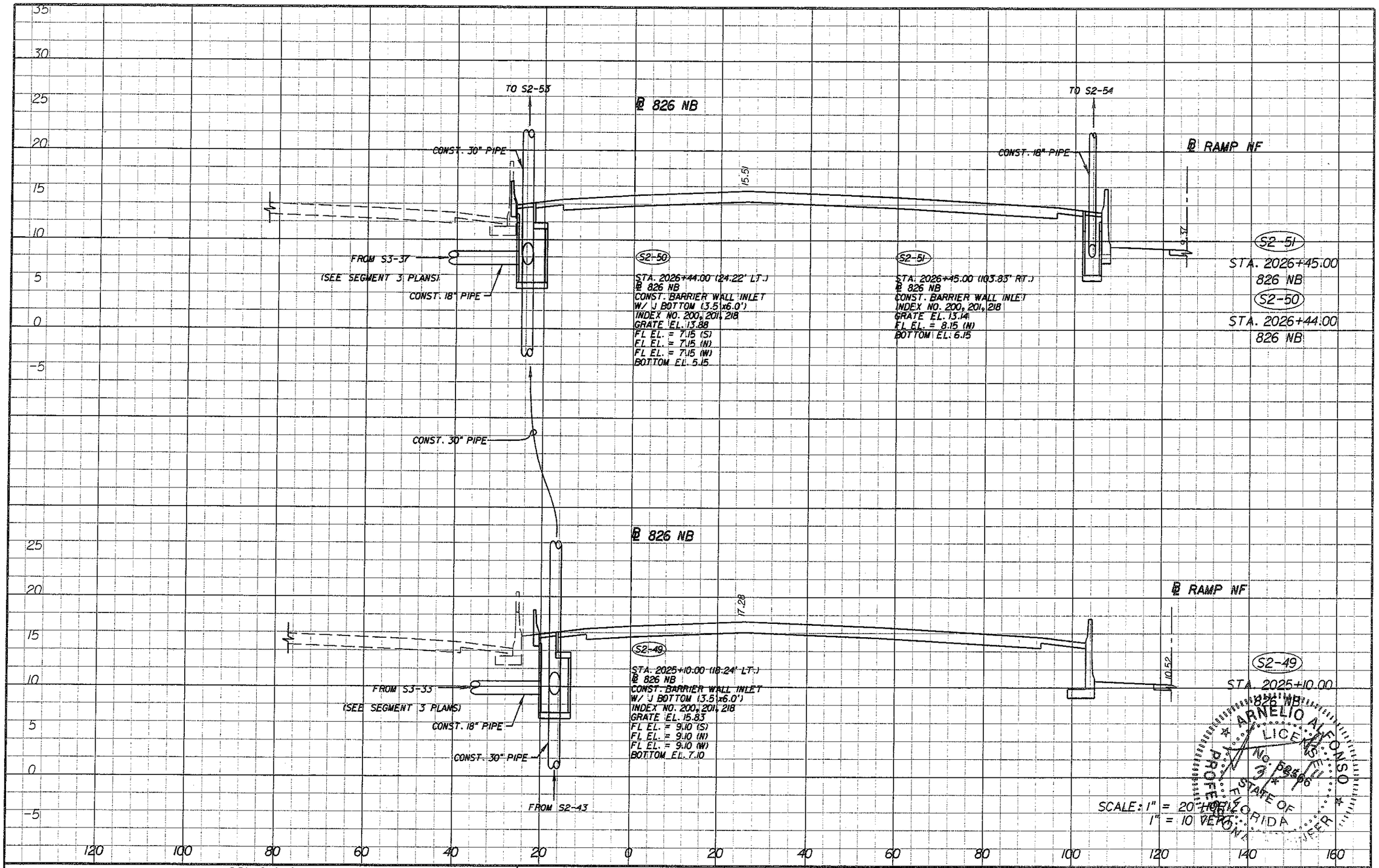
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-79

malfonso 3/30/2011 3:38:42 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



ARNELIO ALFONSO
LICENSED
No. 52566
3/30/11
PROFESSIONAL ENGINEER
STATE OF FLORIDA

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

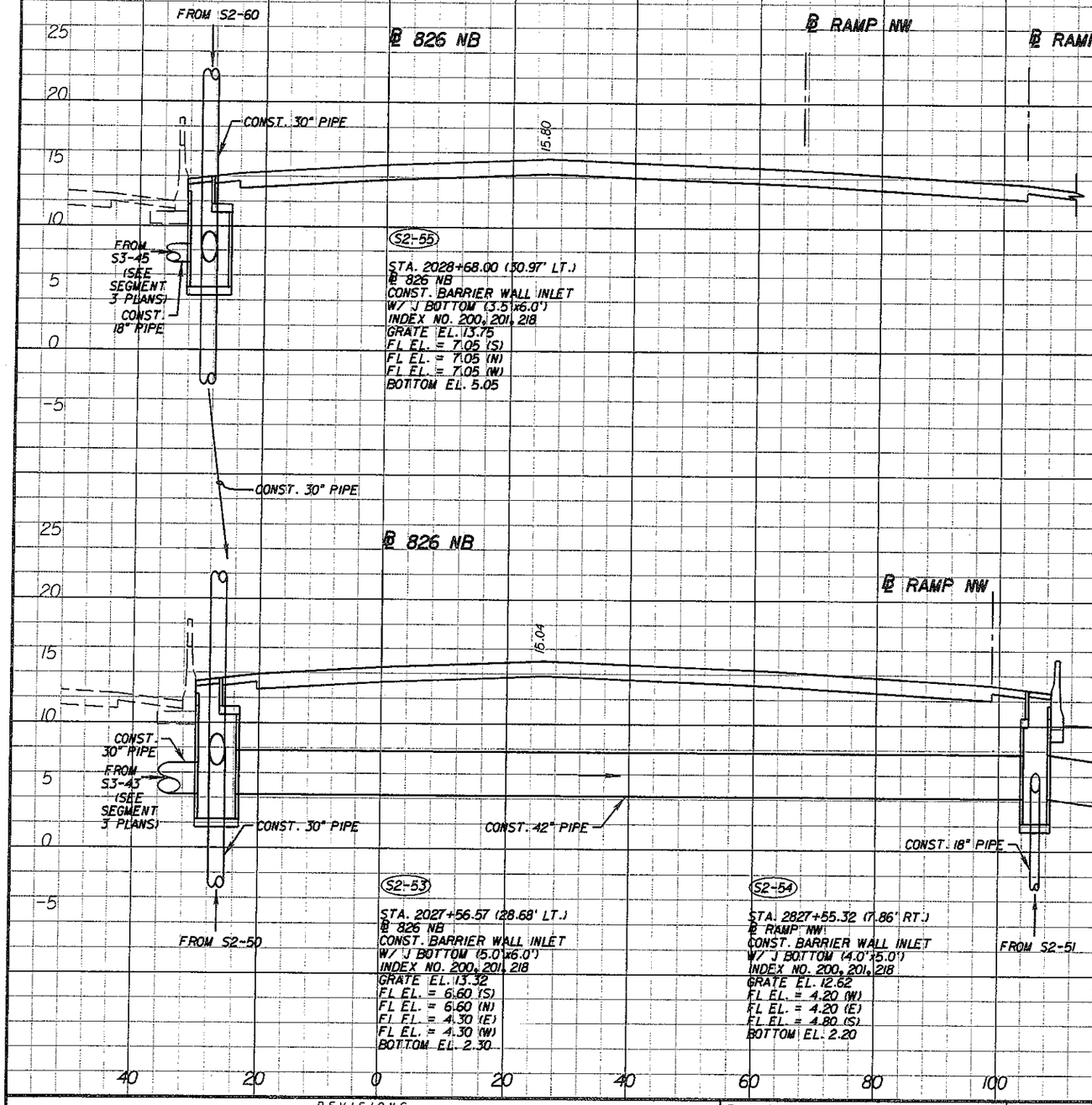
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0001791
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-80



S2-55
STA. 2028+68.00
826 NB

S2-55
STA. 2028+68.00 (30.97' LT.)
℄ 826 NB
CONST. BARRIER WALL INLET
W/ J BOTTOM (3.5'x6.0')
INDEX NO. 200, 201, 218
GRATE EL. 13.75
FL EL. = 7.05 (S)
FL EL. = 7.05 (N)
FL EL. = 7.05 (W)
BOTTOM EL. 5.05

S2-53
STA. 2027+56.57 (28.68' LT.)
℄ 826 NB
CONST. BARRIER WALL INLET
W/ J BOTTOM (5.0'x6.0')
INDEX NO. 200, 201, 218
GRATE EL. 13.32
FL EL. = 6.60 (S)
FL EL. = 6.60 (N)
FL EL. = 4.30 (E)
FL EL. = 4.30 (W)
BOTTOM EL. 2.30

S2-54
STA. 2827+55.32 (7.86' RT.)
℄ RAMP NW
CONST. BARRIER WALL INLET
W/ J BOTTOM (4.0'x5.0')
INDEX NO. 200, 201, 218
GRATE EL. 12.62
FL EL. = 4.20 (W)
FL EL. = 4.20 (E)
FL EL. = 4.80 (S)
BOTTOM EL. 2.20

S2-52
STA. 2137+84.86 (65.49' RT.)
℄ RAMP NE
CONST. DITCH BOTTOM INLET TYPE G
W/ SKIMMER (S)
INDEX NO. 233
GRATE EL. 4.00
FL EL. = (-)2.00 (W)
FL EL. = (-)1.50 (S)
BOTTOM EL. (-)5.00

S2-54
STA. 2827+55.32
RAMP NW

S2-53
STA. 2027+56.57
826 NB

S2-52
STA. 2137+84.86
RAMP NE

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0001791
Arnelio Alfonso, P.E. No. 52566
ENGINEERS

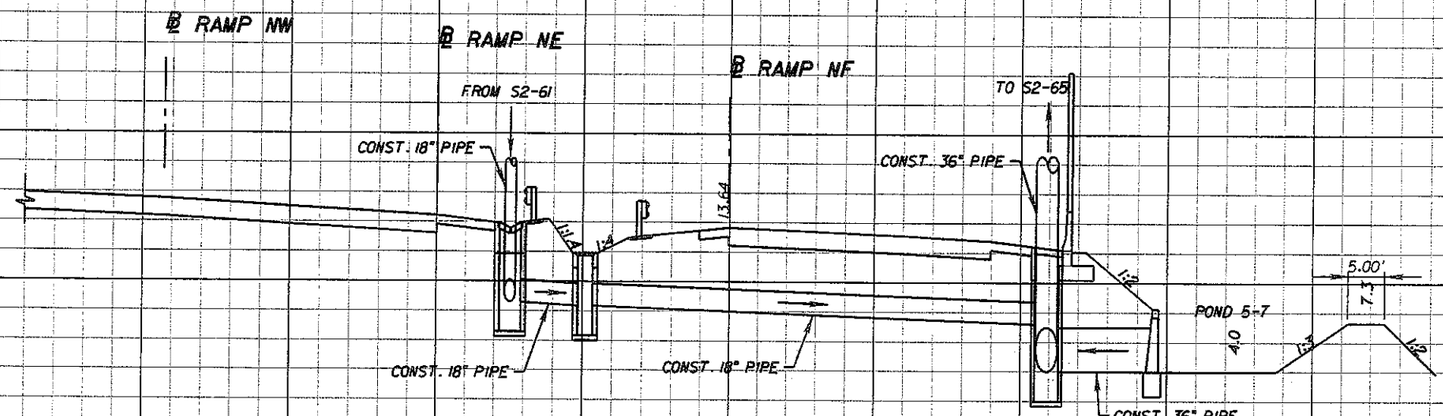
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-81

malfonso 3/30/2011 3:53:07 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



S2-59

S2-58

STA. 2729+49.00
RAMP NF

S2-57

S2-56

STA. 2139+75.00
RAMP NF

S2-59

STA. 2729+49.00 (10.12' RT.)
℄ RAMP NE
CONST. GUTTER INLET TYPE S
INDEX NO. 220
GRATE EL. 13.59
FL EL. = 8.60 (E)
FL EL. = 8.60 (N)
BOTTOM EL. 6.60

S2-58

STA. 2729+49.00 (20.37' RT.)
℄ RAMP NE
CONST. DITCH BOTTOM INLET TYPE C
INDEX NO. 232
GRATE EL. 11.89
FL EL. = 8.35 (W)
FL EL. = 8.35 (E)
BOTTOM EL. 6.35

S2-57

STA. 2139+75.00 (43.88' RT.)
℄ RAMP NF
CONST. BARRIER WALL INLET
INDEX NO. 200, 201, 218
GRATE EL. 12.19
FL EL. = 7.20 (W)
FL EL. = 4.00 (E)
FL EL. = 4.00 (N)
BOTTOM EL. 2.00

S2-56

STA. 2139+75.00 (57.35' RT.)
℄ RAMP NF
CONST. 36" STRAIGHT CONC. ENDWALL
INDEX NO. 250
FL EL. = 4.00

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER
3/30/11

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

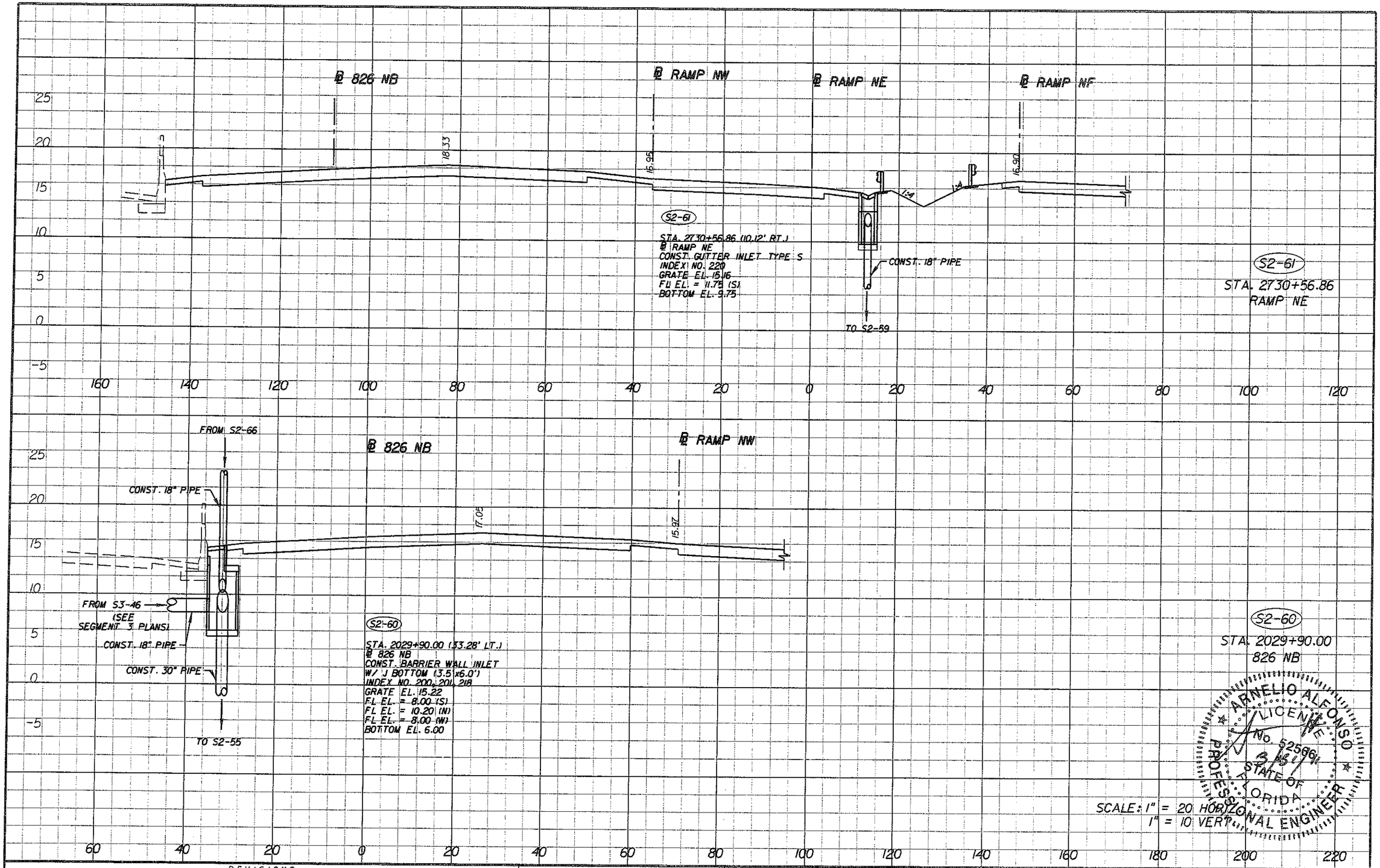
ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-82



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

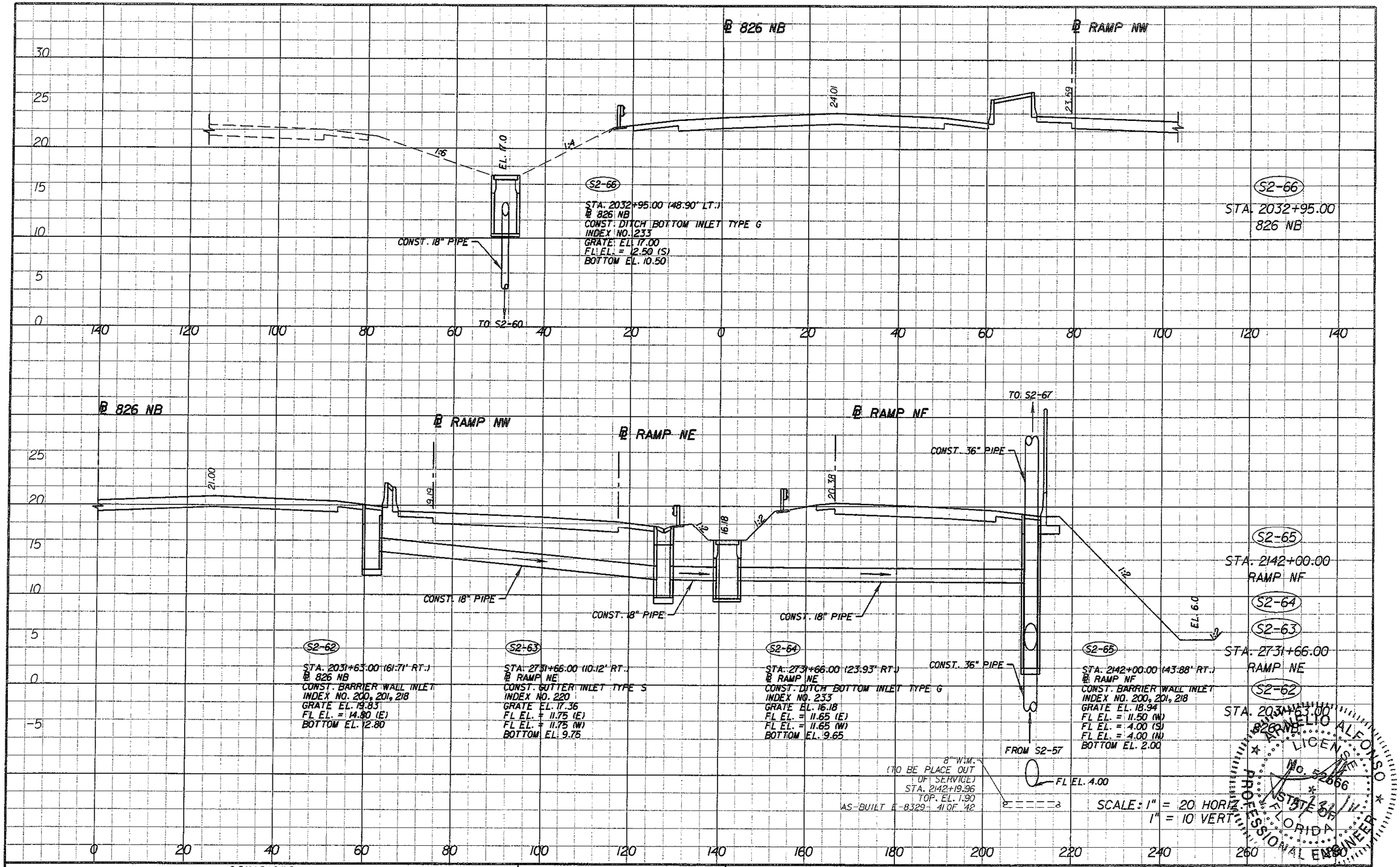
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-83

malfonso 3/30/2011 3:53:54 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

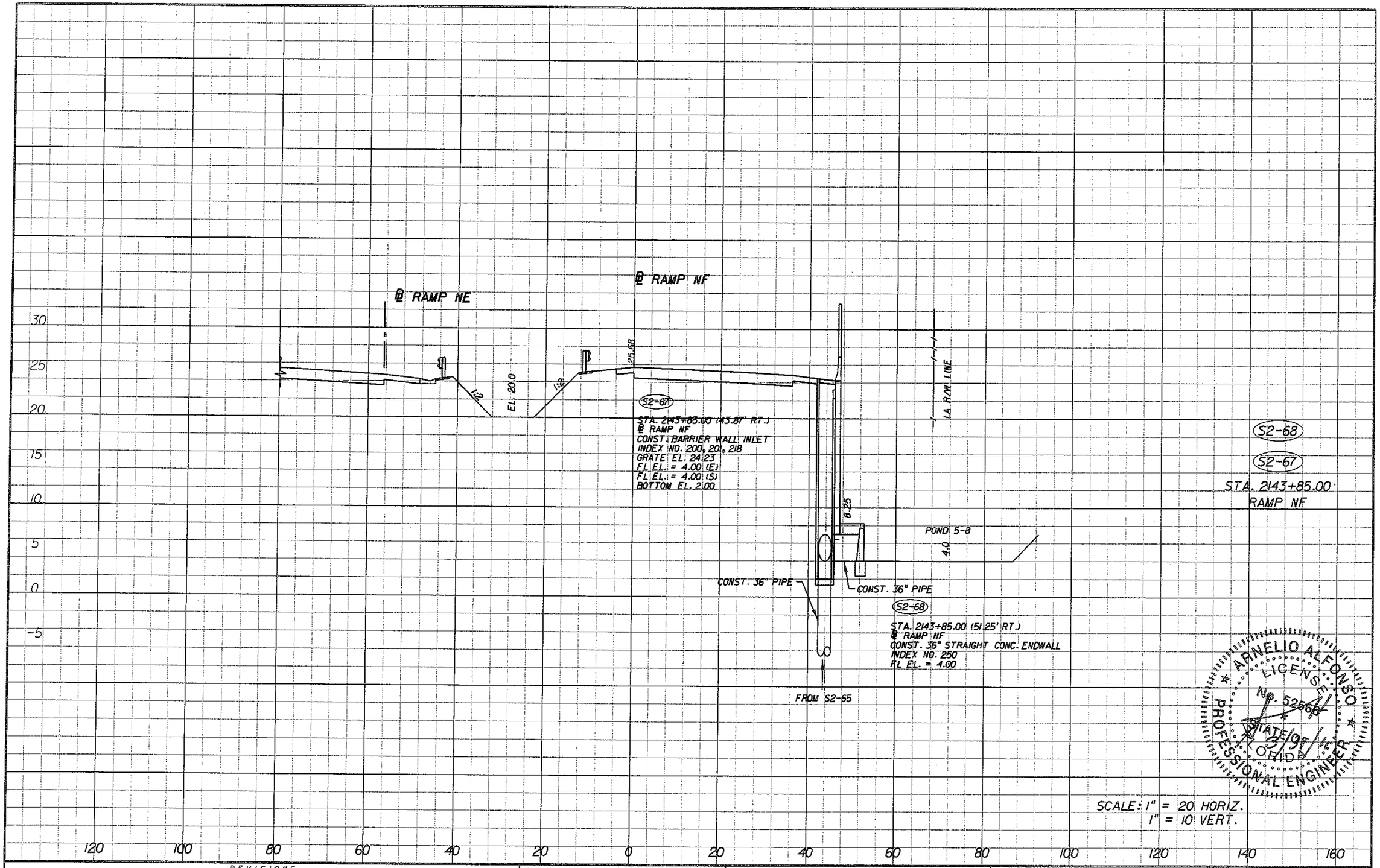
A&P Consulting Transportation Engineers Corporation
6305 N.W. 4t Street, suite 115
Miami, FL 33126
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0000797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-84



S2-68

S2-67

STA. 2143+85.00
RAMP NF

ARNELIO ALFONSO
LICENSED
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 116
Miami, FL 33178
(305) 592-7285 / Fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

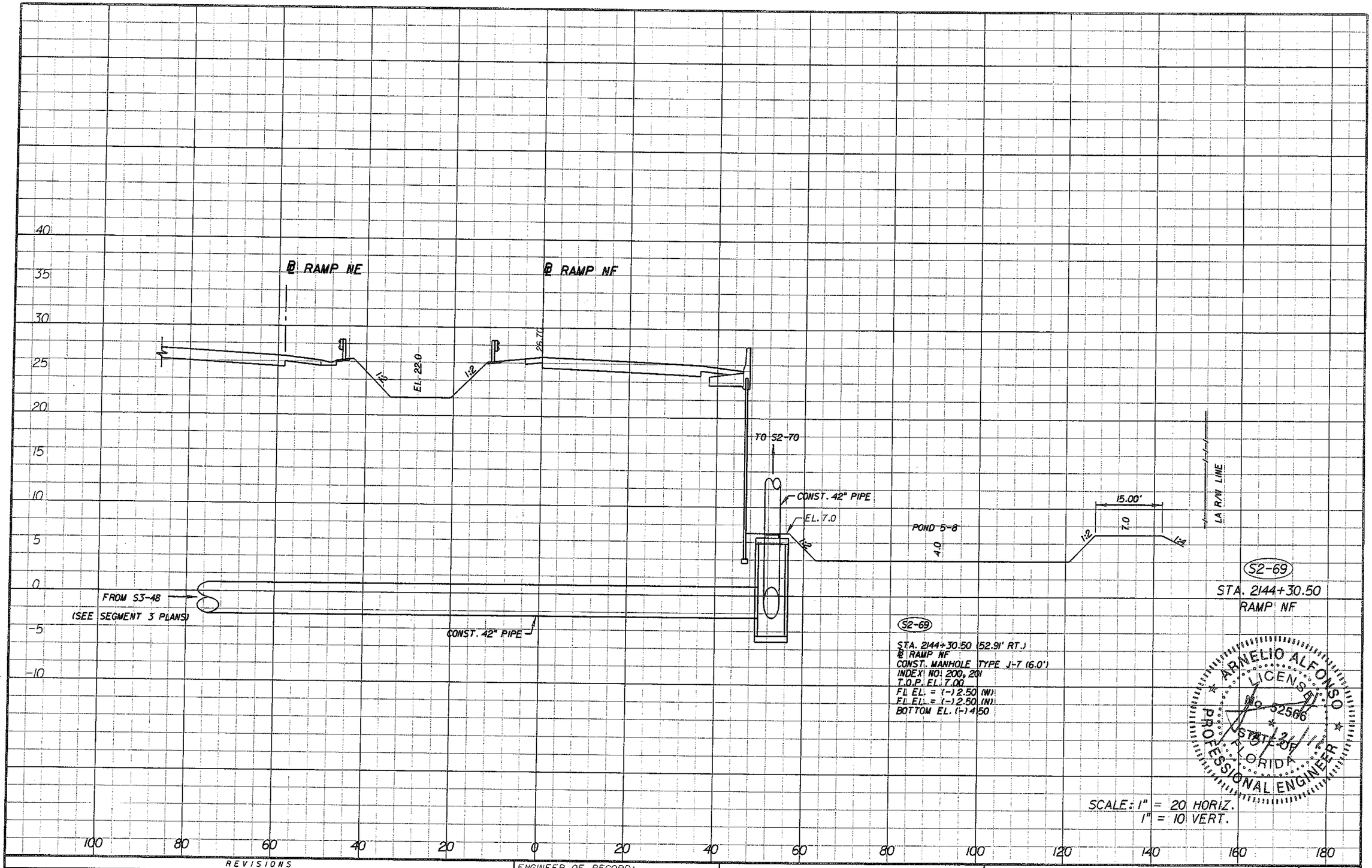
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-85

malfonso 3/30/2011 3:54:47 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. EB-0007791
Arnelio Alfonso, P.E. No. 52566

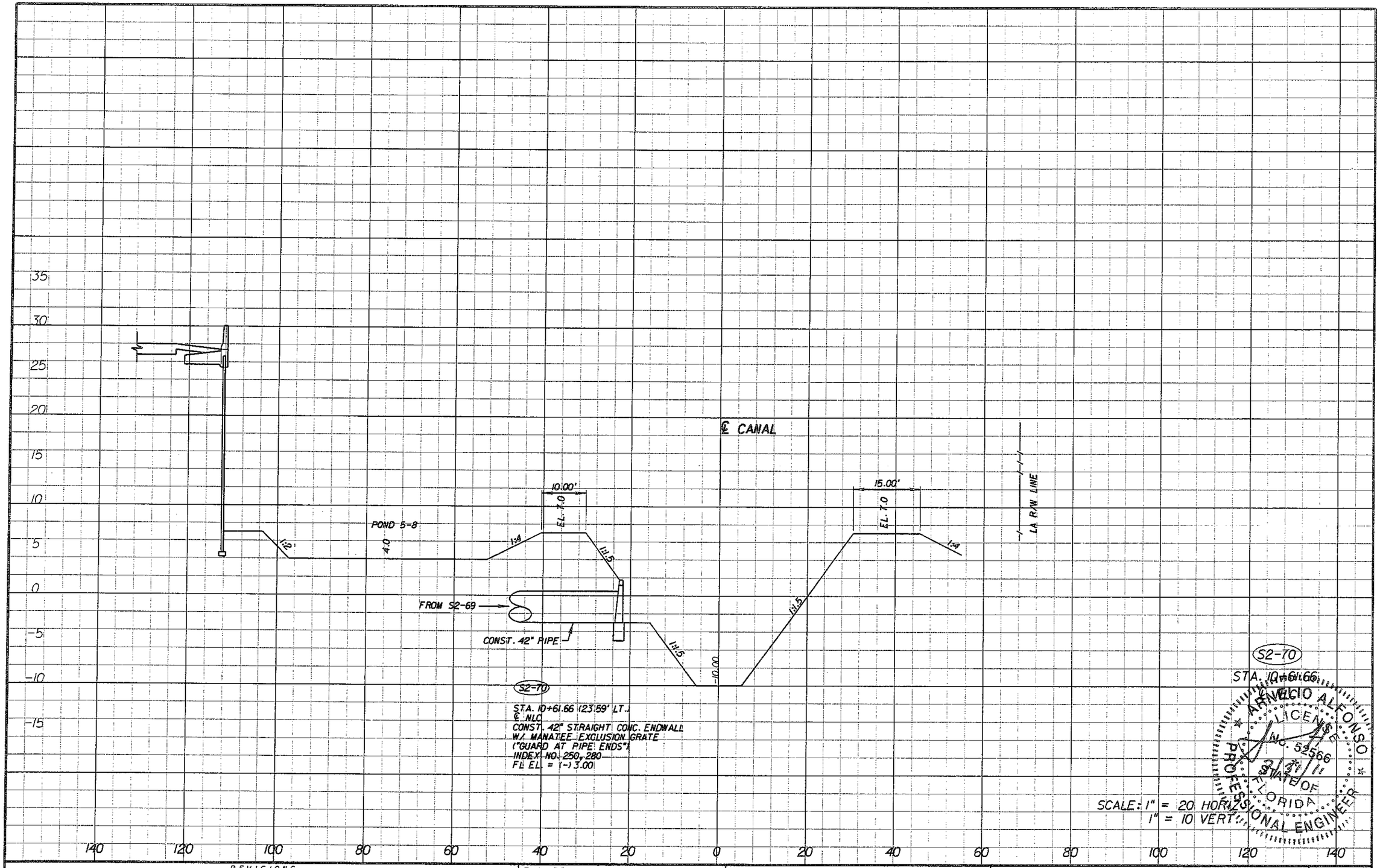
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-86

malfonso 3/30/2011 3:56:55 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
6305 N.W. 4th Street, suite 115
Miami, FL 33126
(305) 592-7265 / Fax: (305) 593-1594
CA No. : 28-0007197
Arnelio Alfonso, P.E. No. 52566

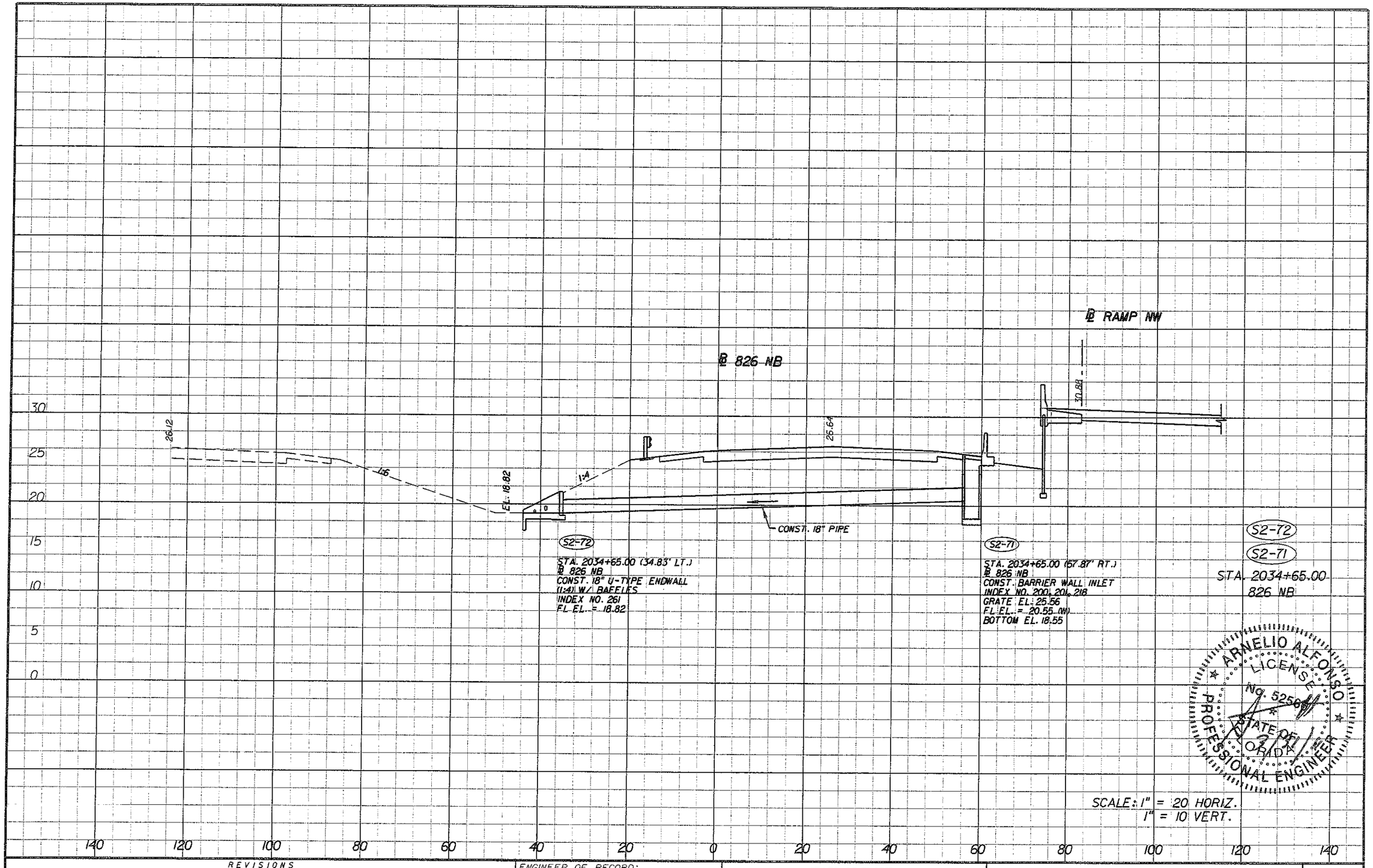
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-87

malfonso 3/30/2011 3:57:19 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRAINAGE02.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007191
Arnelio Alfonso, P.E. No. 52566

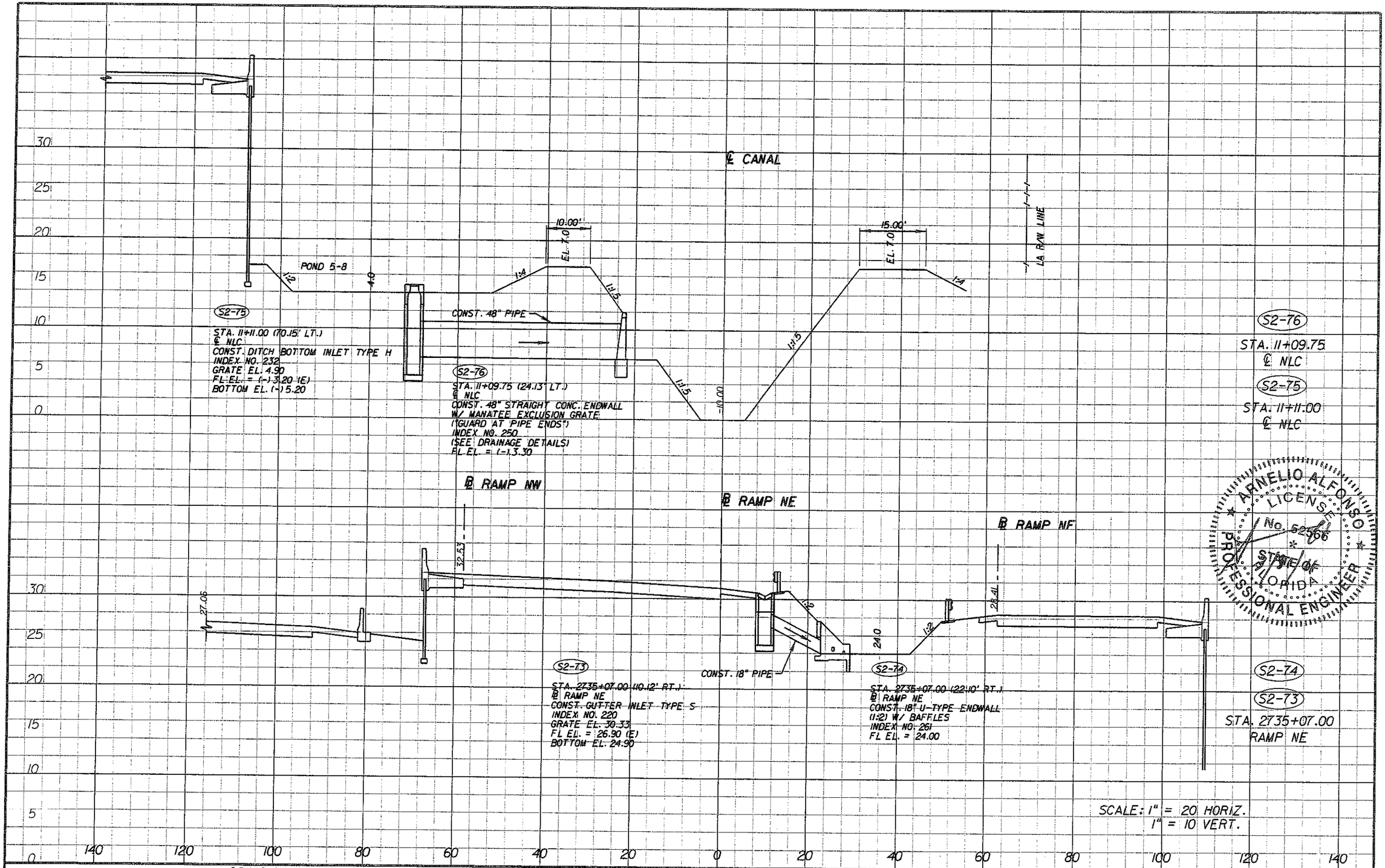
ENGINEERS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-88



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. 7, EB-0007191
Arnelio Alfonso, P.E. No. 52566

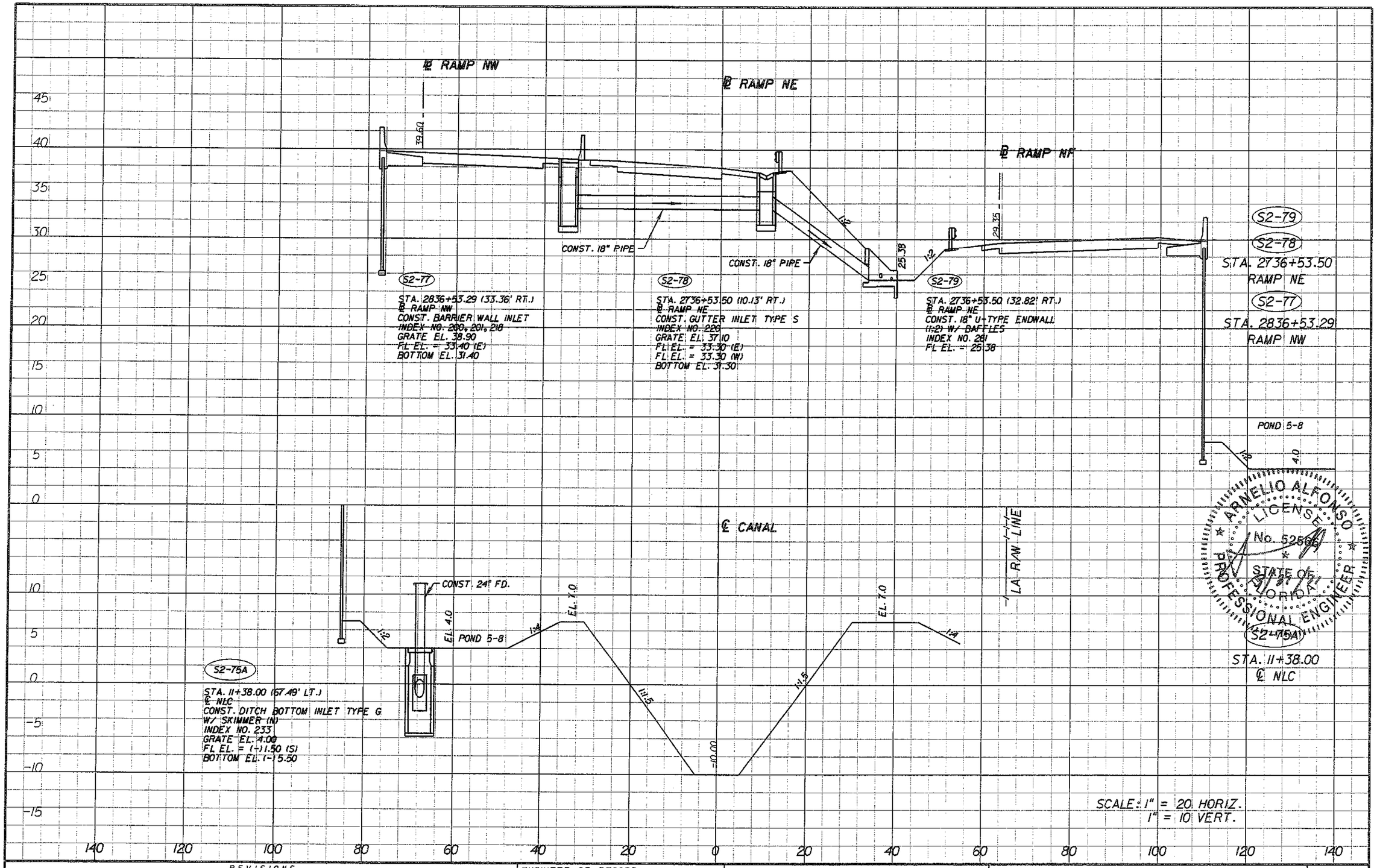
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-89

malfonso 3/30/2011 3:58:11 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



ARMELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007191
Arnello Alfonso, P.E. No. 52566

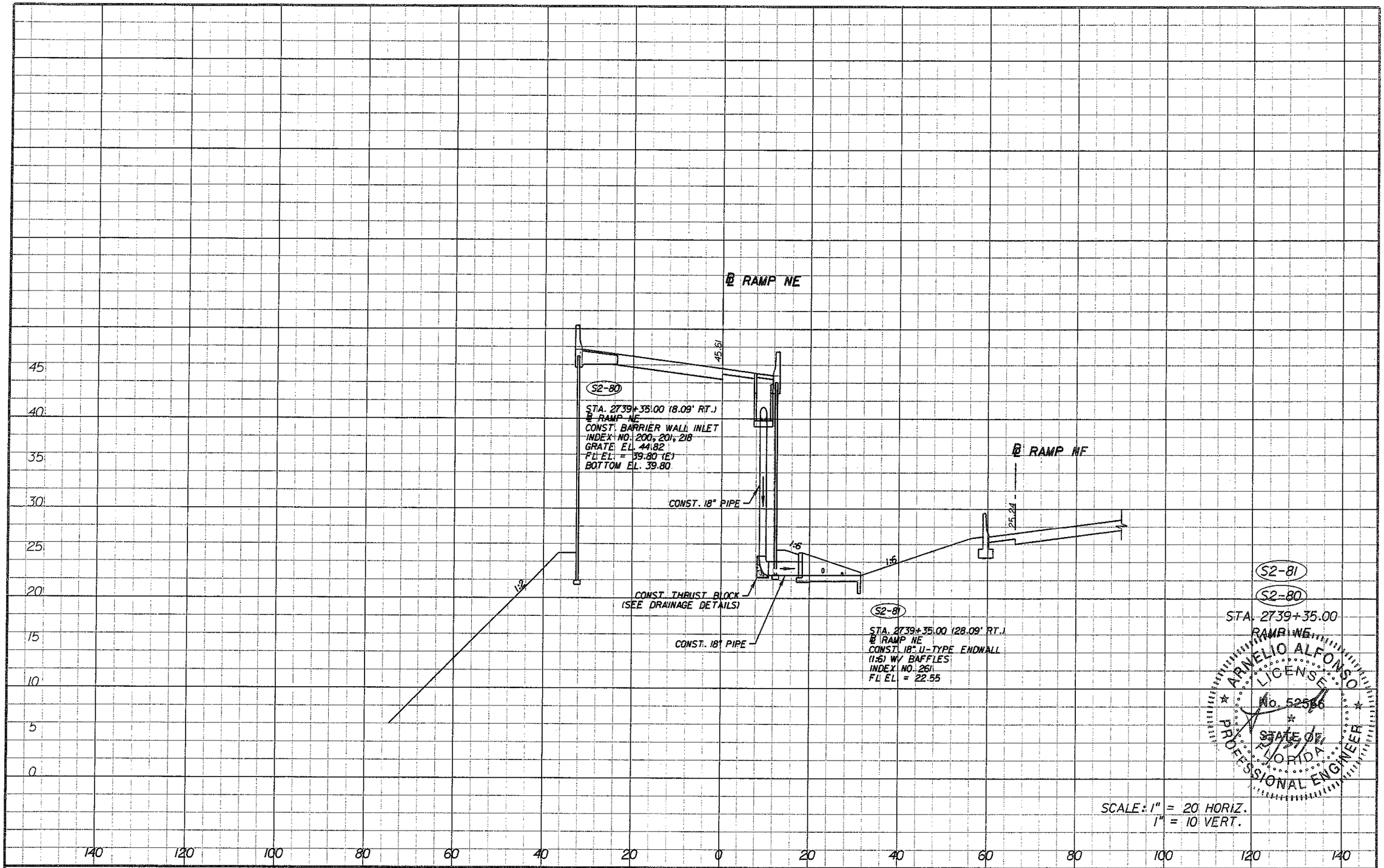
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-90

malfonso 3/30/2011 3:58:38 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSR002.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

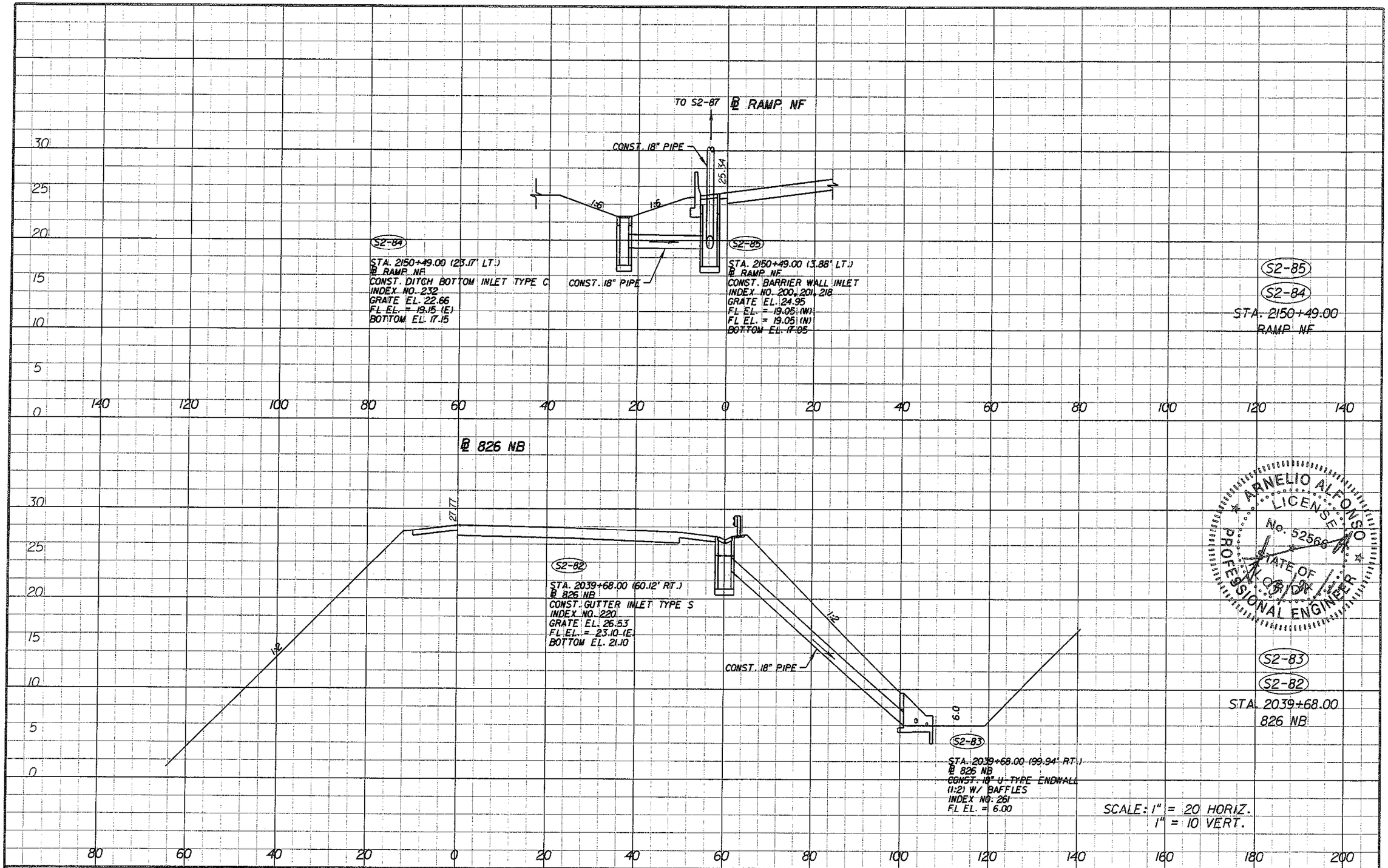
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-91

malfonso 3/30/2011 3:59:06 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

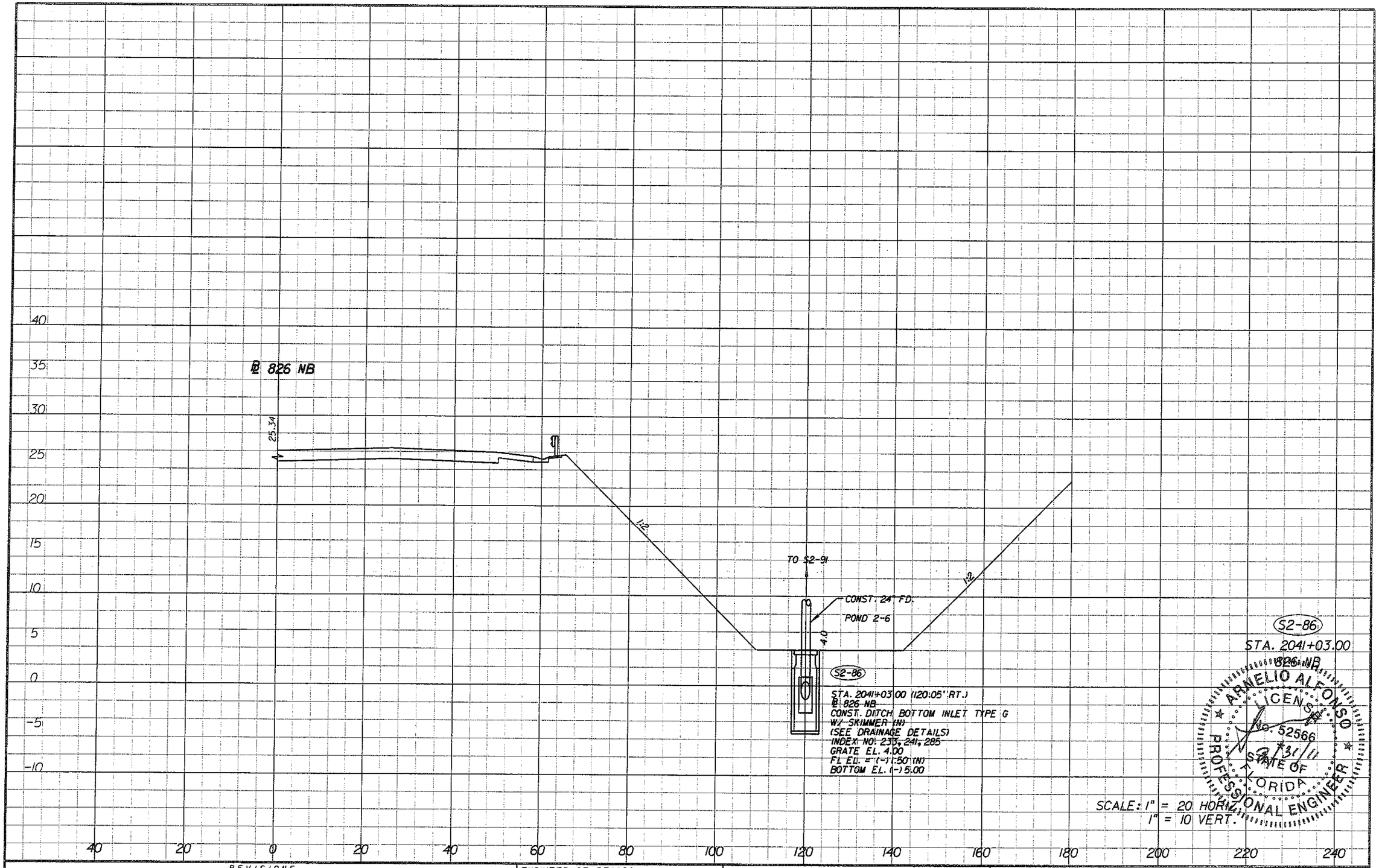
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-92

malfonso 3/30/2011 3:59:35 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSR002.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007191
Arnelio Alfonso, P.E. No. 52566

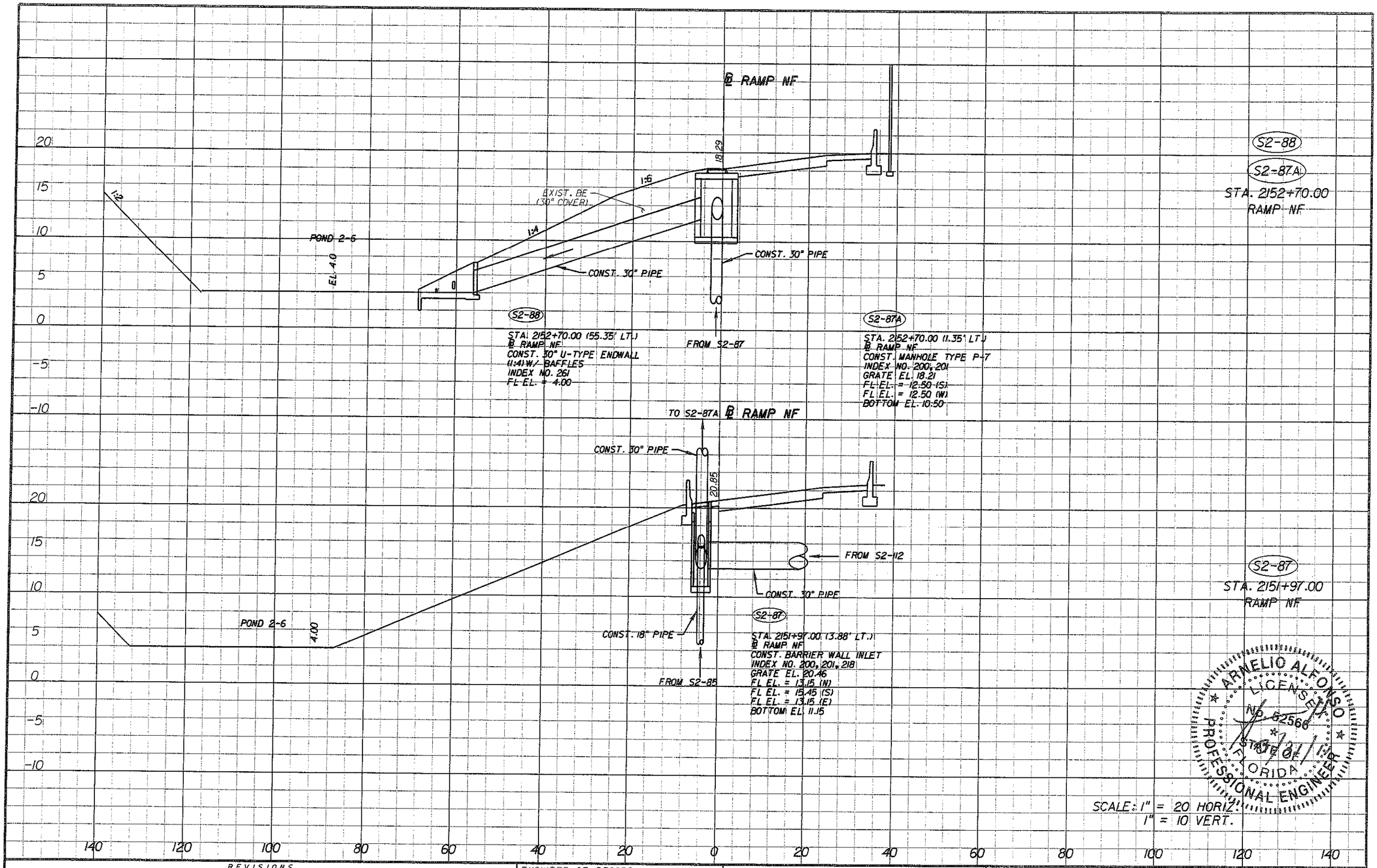
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-93

malfonso 3/30/2011 3:59:58 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSR002.DGN



ARMELIO ALFONSO
LICENSED
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
3/31/11

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007791
Arnelio Alfonso, P.E. No. 52566
ENGINEERS

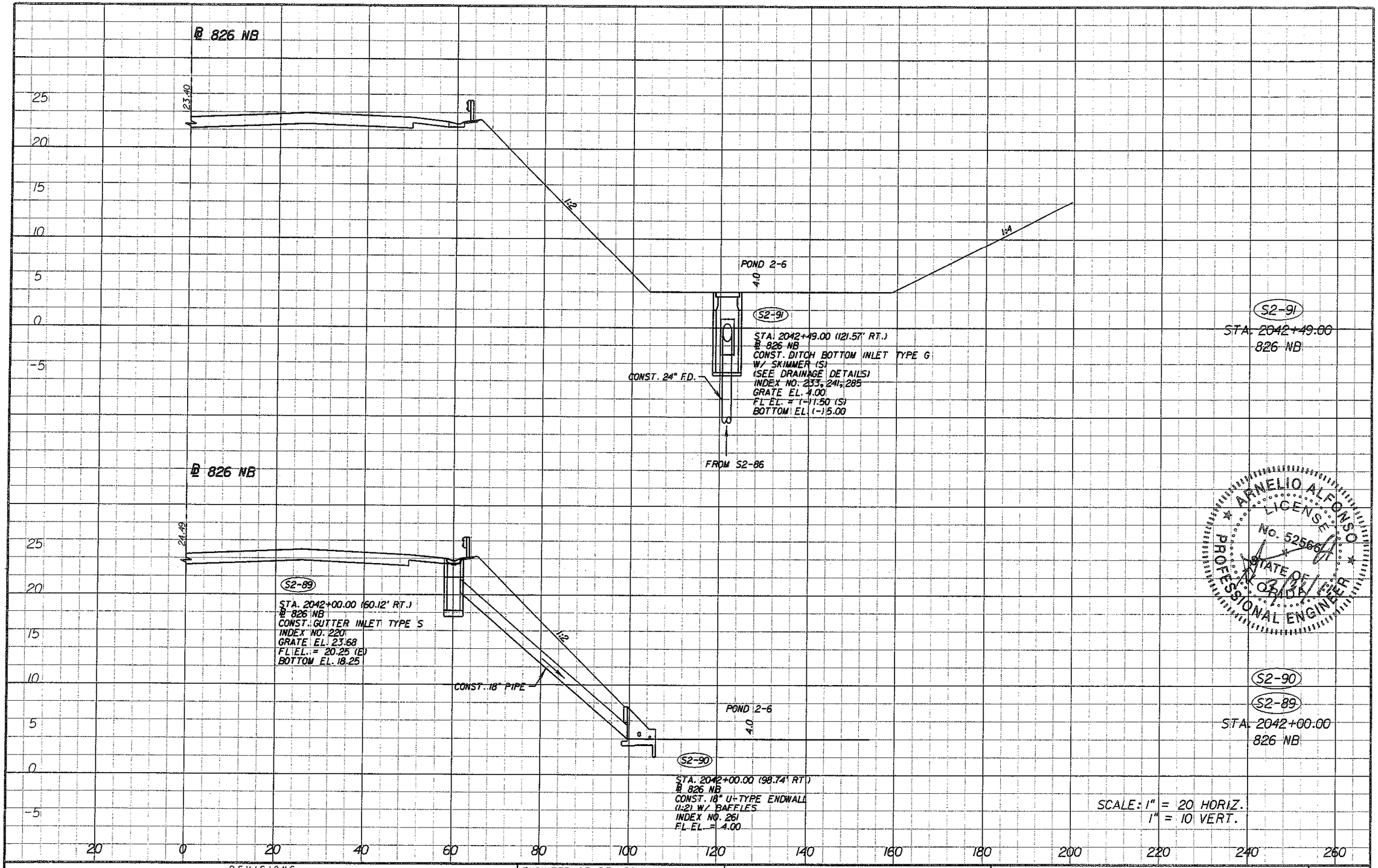
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-94

malfonso 3/30/2011 4:00:29 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



S2-91
STA. 2042+49.00
826 NB

S2-90
S2-89
STA. 2042+00.00
826 NB

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
8305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7683 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

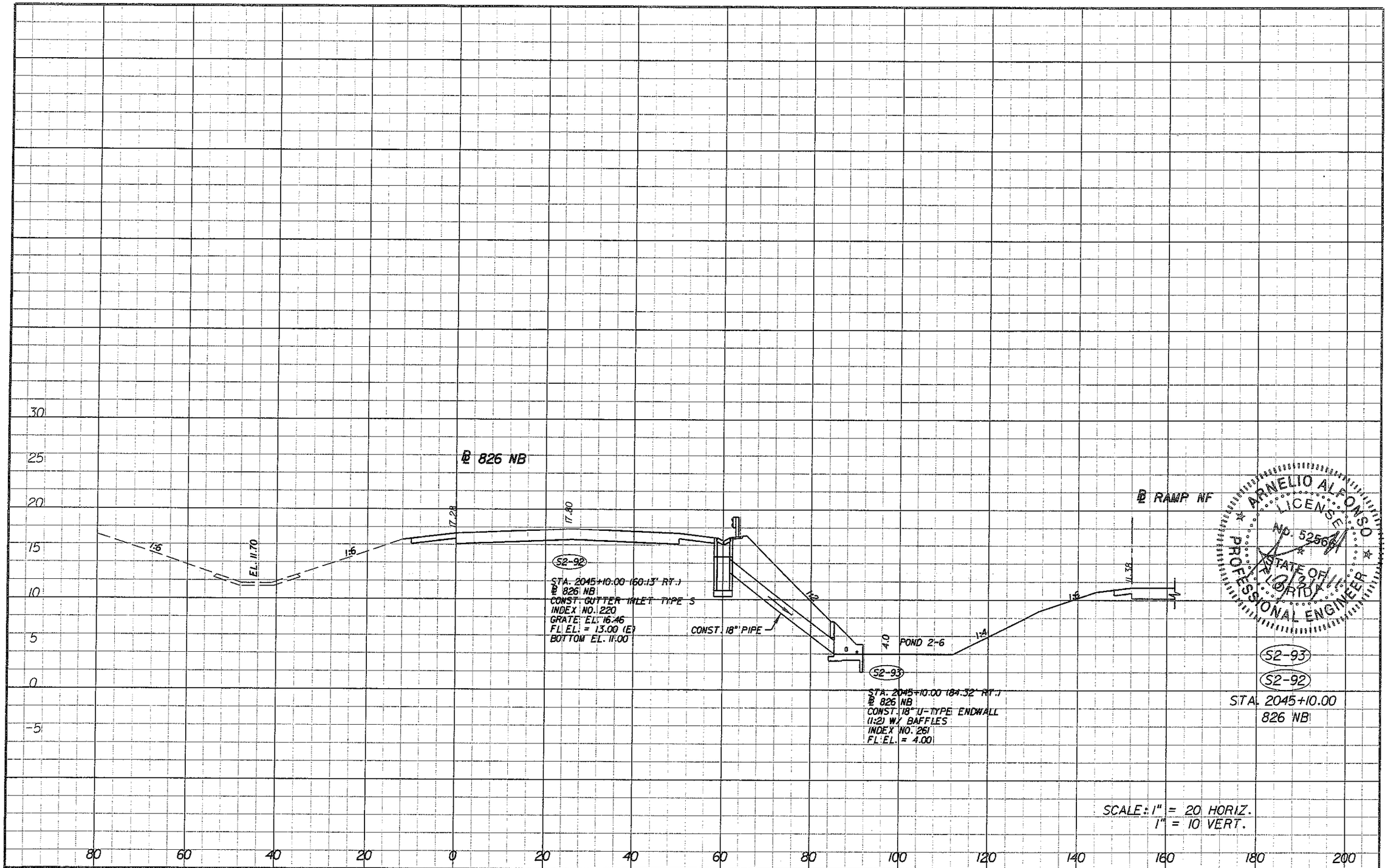
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-95

malfonso 3/30/2011 4:01:00 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSR002.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

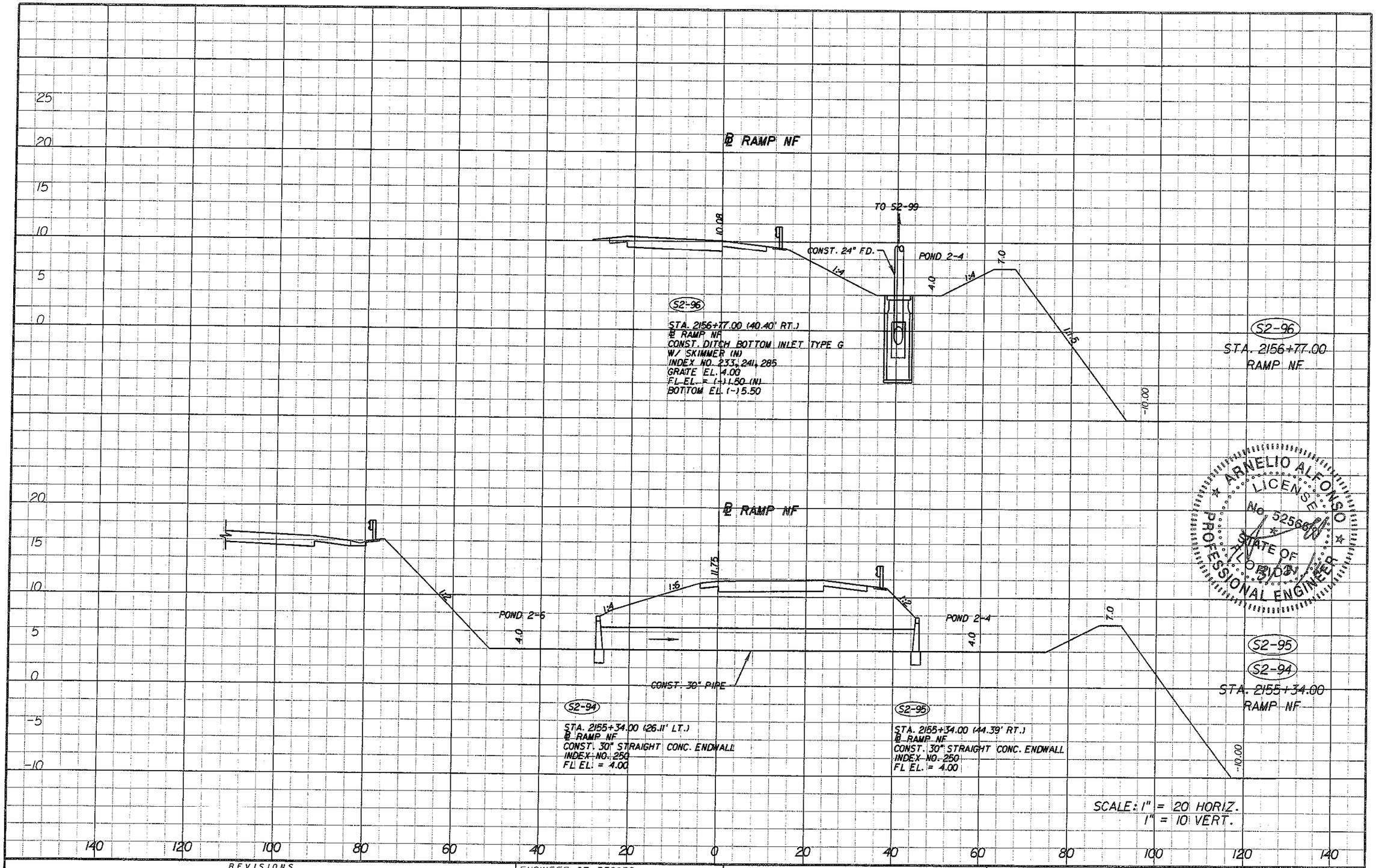
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-96

malfonso 3/30/2011 4:01:27 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRYSR002.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

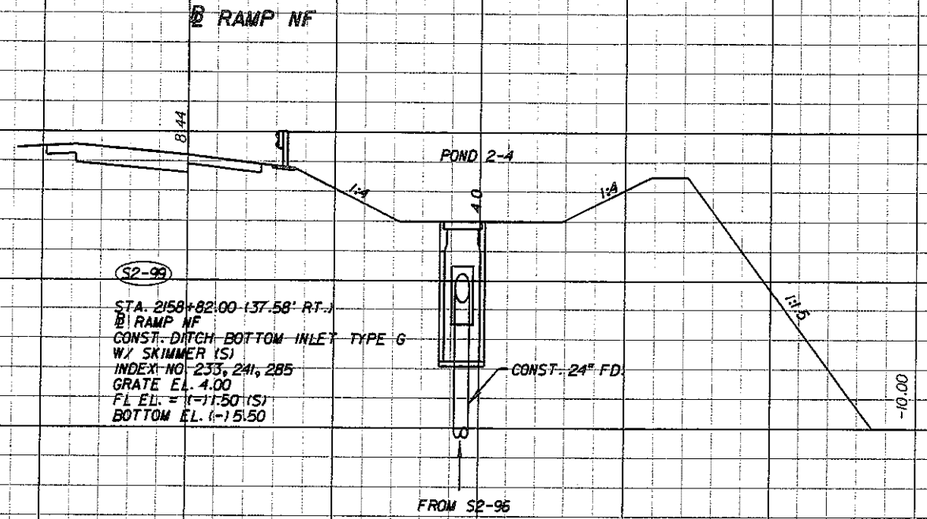
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-97

malfonso 3/30/2011 4:02:01 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSR002.DGN

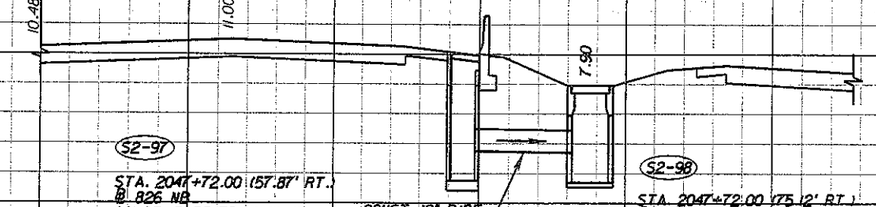


S2-99

STA. 2158+82.00 (37.58' RT.)
℄ RAMP NF
CONST. DITCH BOTTOM INLET TYPE G
W/ SKIMMER (S)
INDEX NO. 233, 241, 285
GRATE EL. 4.00
FL EL. = (-)1.50 (S)
BOTTOM EL. (-)5.50

S2-99

STA. 2158+82.00
RAMP NF



S2-97

STA. 2047+72.00 (57.87' RT.)
℄ 826 NB
CONST. BARRIER WALL INLET
INDEX NO. 200, 201, 218
GRATE EL. 9.92
FL EL. = 3.50 (E)
BOTTOM EL. 1.50

S2-98

STA. 2047+72.00 (75.12' RT.)
℄ 826 NB
CONST. DITCH BOTTOM INLET TYPE G
INDEX NO. 233
GRATE EL. 7.90
FL EL. = 3.40 (W)
BOTTOM EL. 1.40

S2-98
S2-97

STA. 2047+72.00
826 NB

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

ARNELIO ALFONSO
LICENSED
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

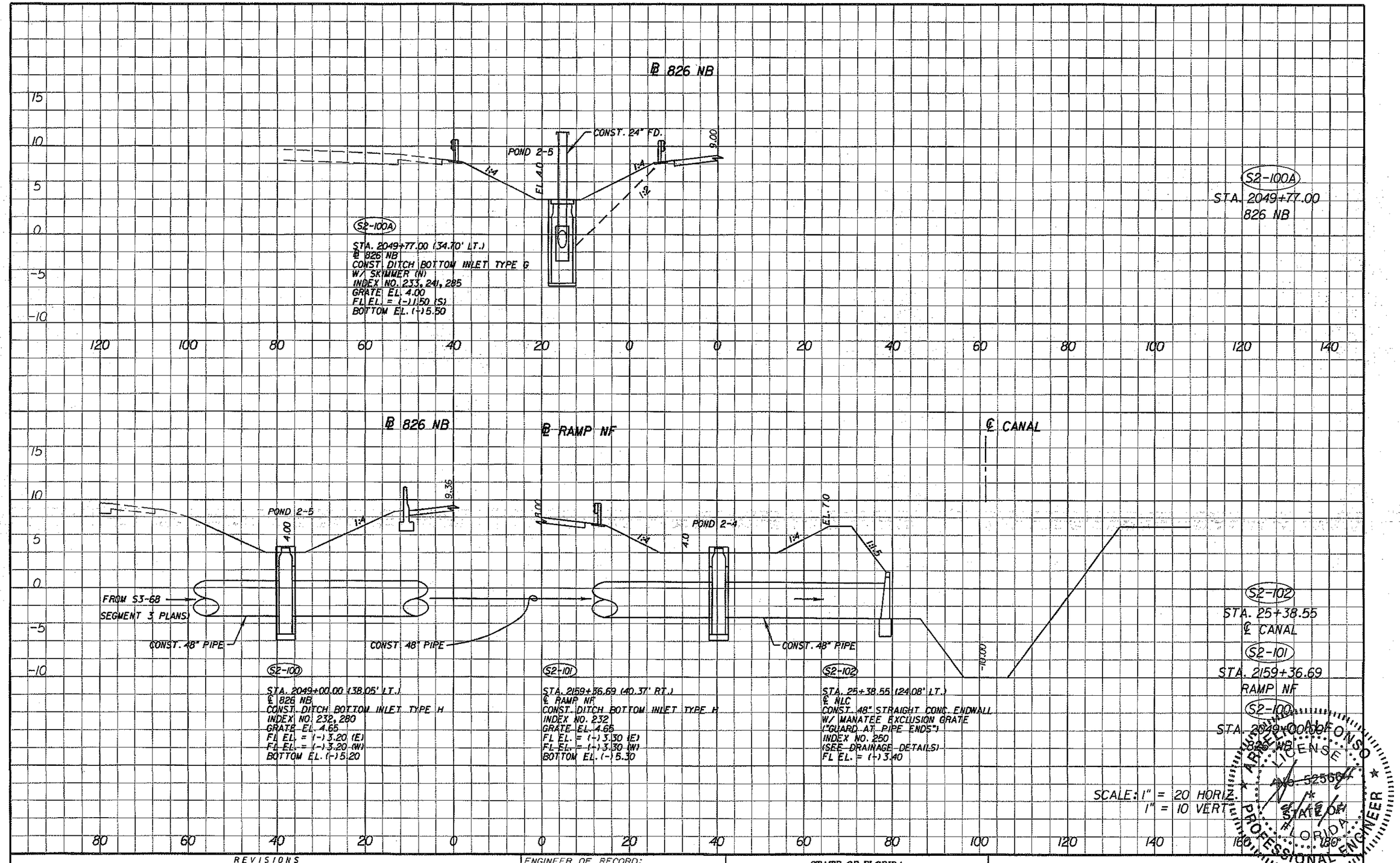
ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-98



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnaldo Alfonso, P.E. No. 52566

ARNALDO ALFONSO
LICENSE
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

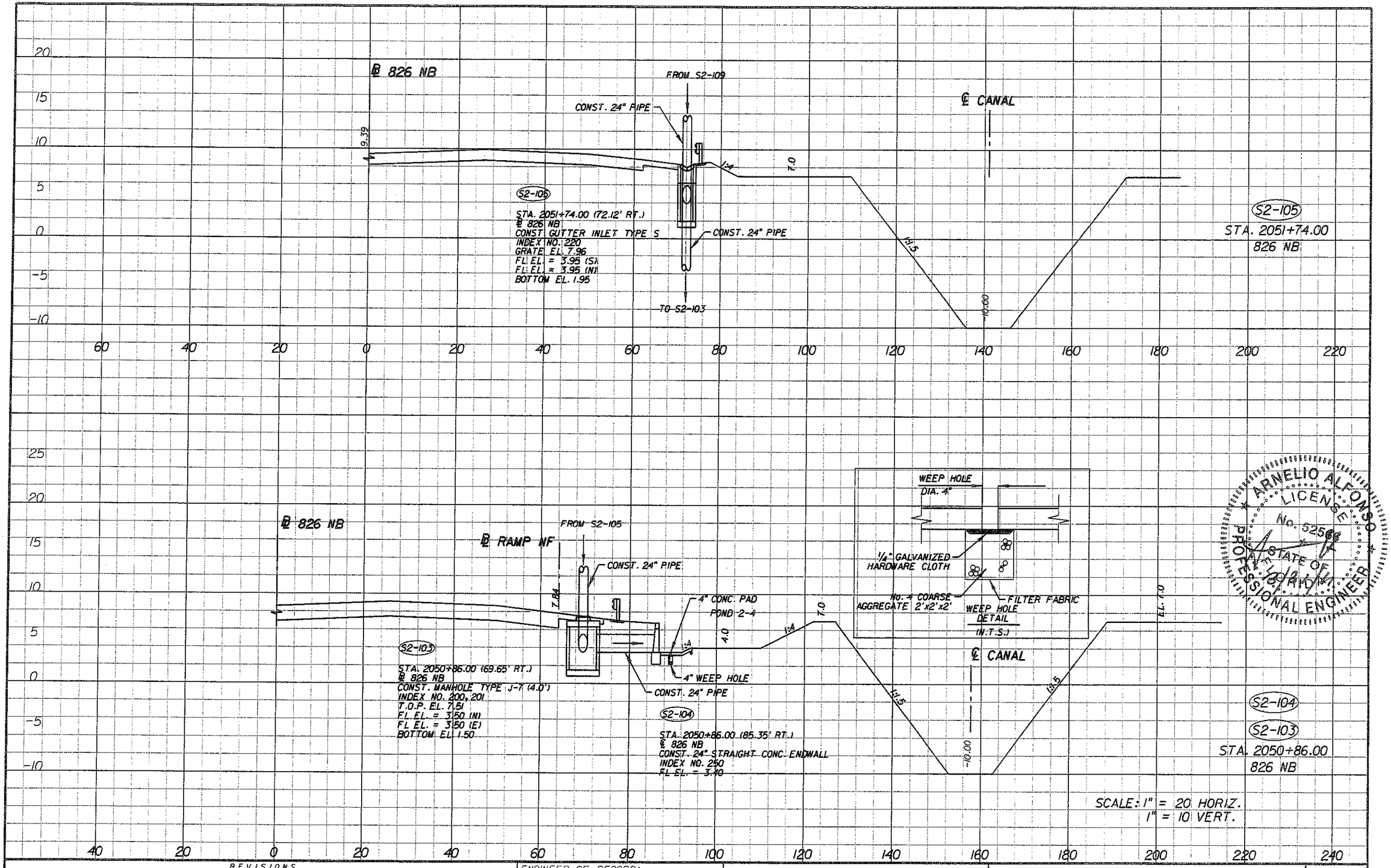
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO.
2-99

malfonso 4/19/2011 11:20:18 AM P:\249581\5201-Section 5\Segment 2\Drainage\DRxSR002.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

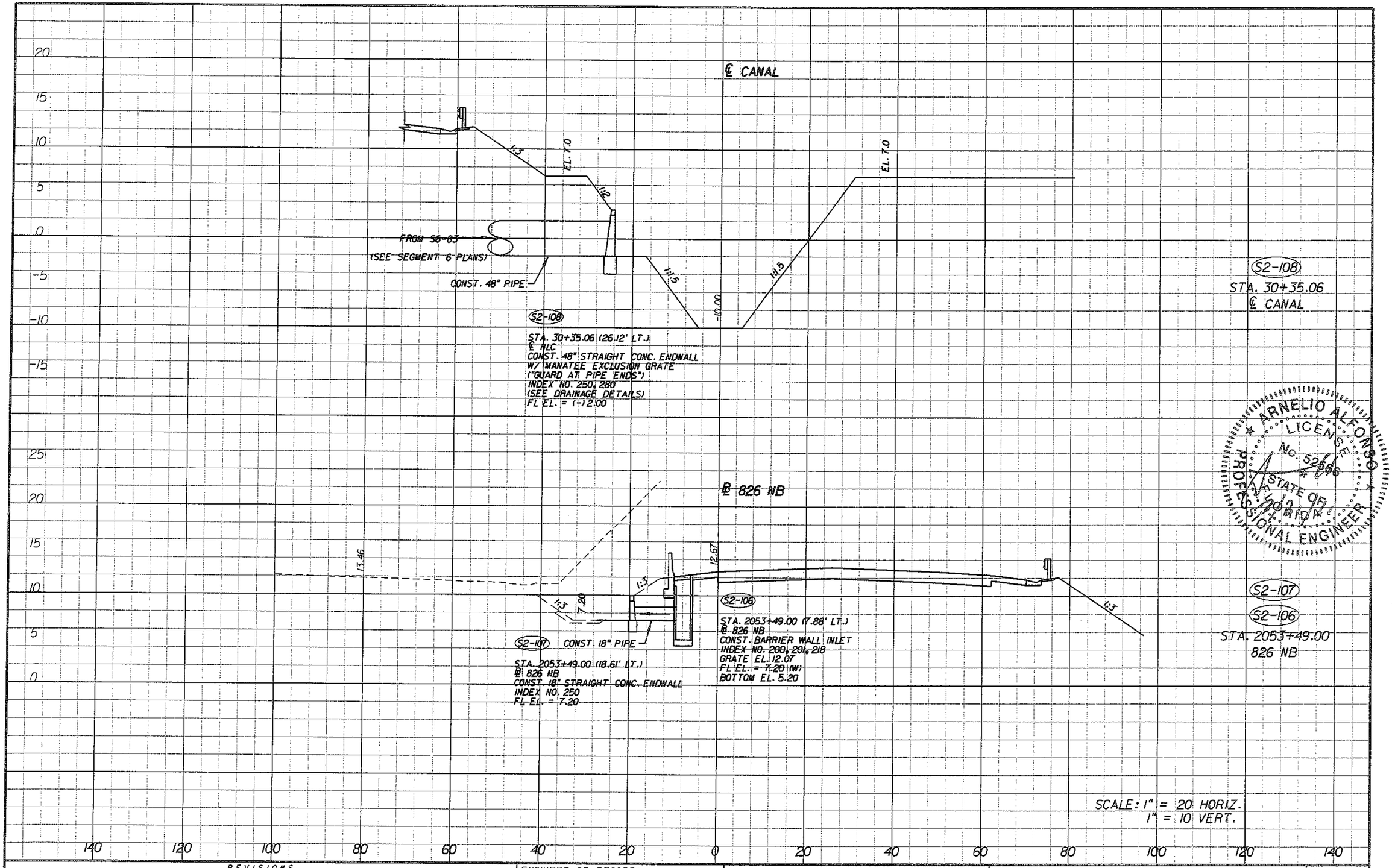
ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7885 / fax: (305) 593-1594
CA No. : EB-0000797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-100



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

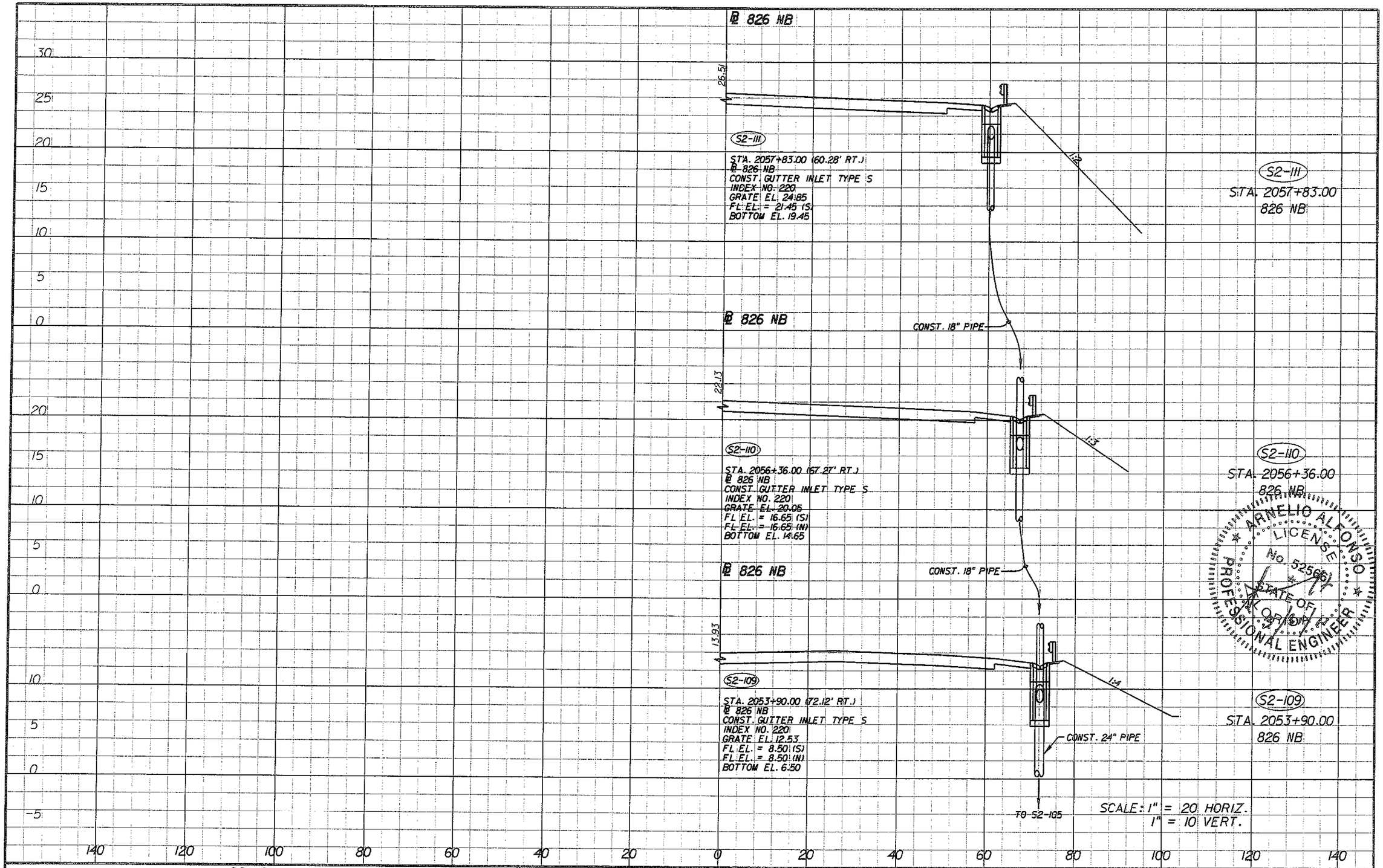
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-101

malfonso 3/30/2011 4:03:57 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSR002.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7293 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

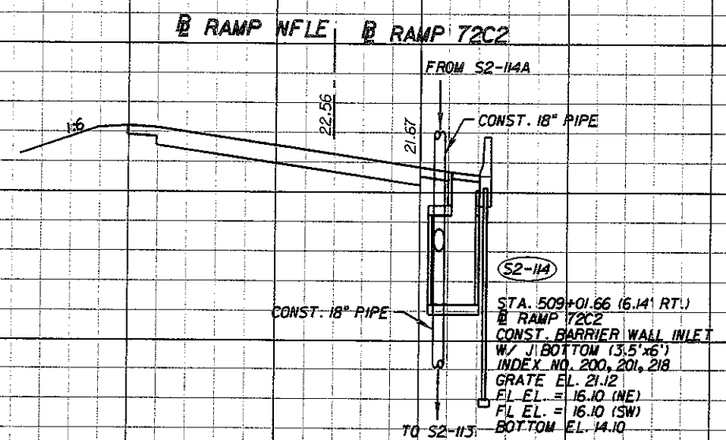
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-102

melfonso 3/30/2011 4:04:22 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSR002.DGN



S2-114
STA. 509+01.66
RAMP 72C2

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

S2-113
STA. 2208+50.00
RAMP NFLE
S2-112
STA. 2208+44.00
RAMP NFLE

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1694
CA No.: EB-0007791
Arnelio Alfonso, P.E. No. 52566

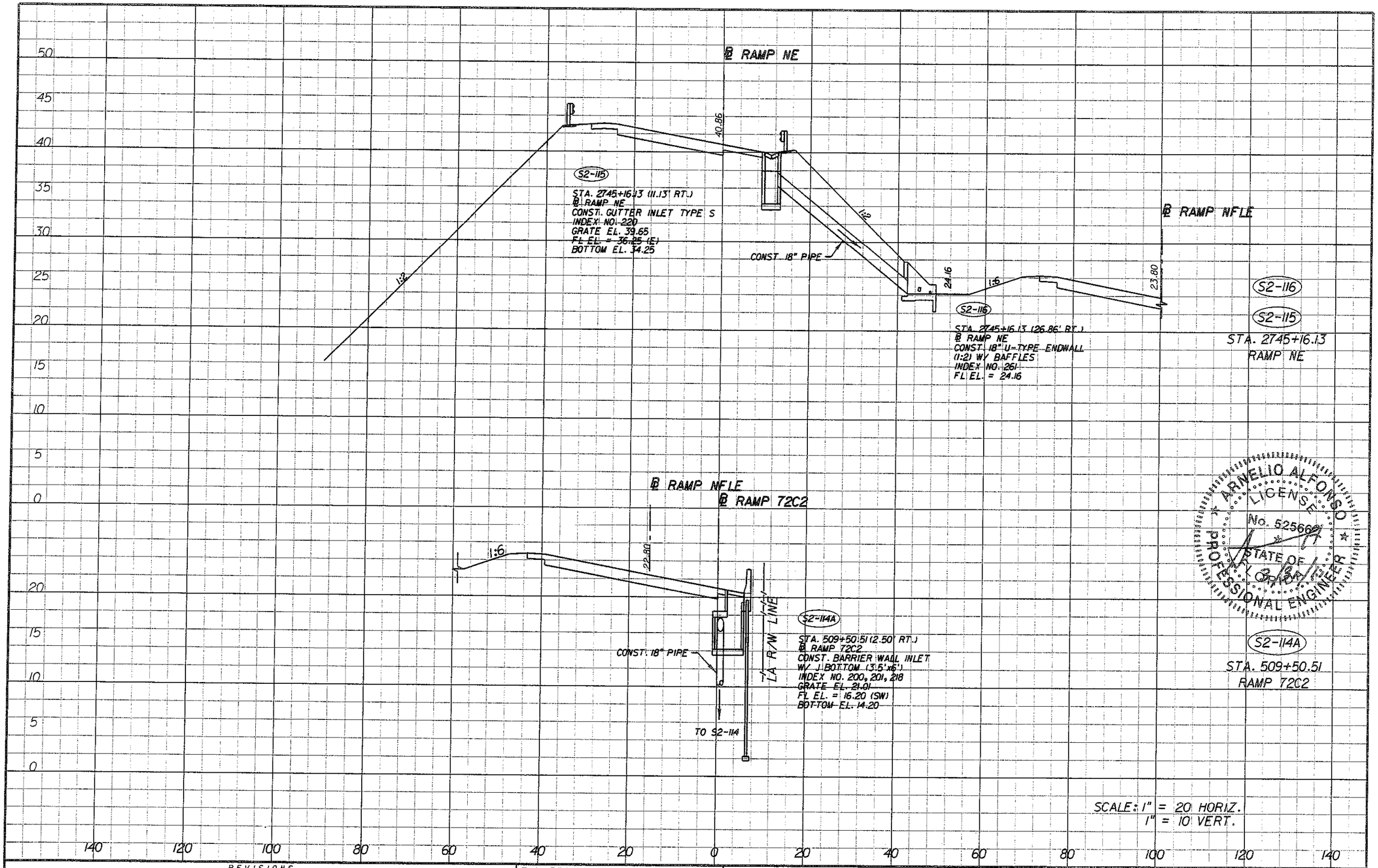
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-103

malfonso 3/30/2011 4:04:54 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

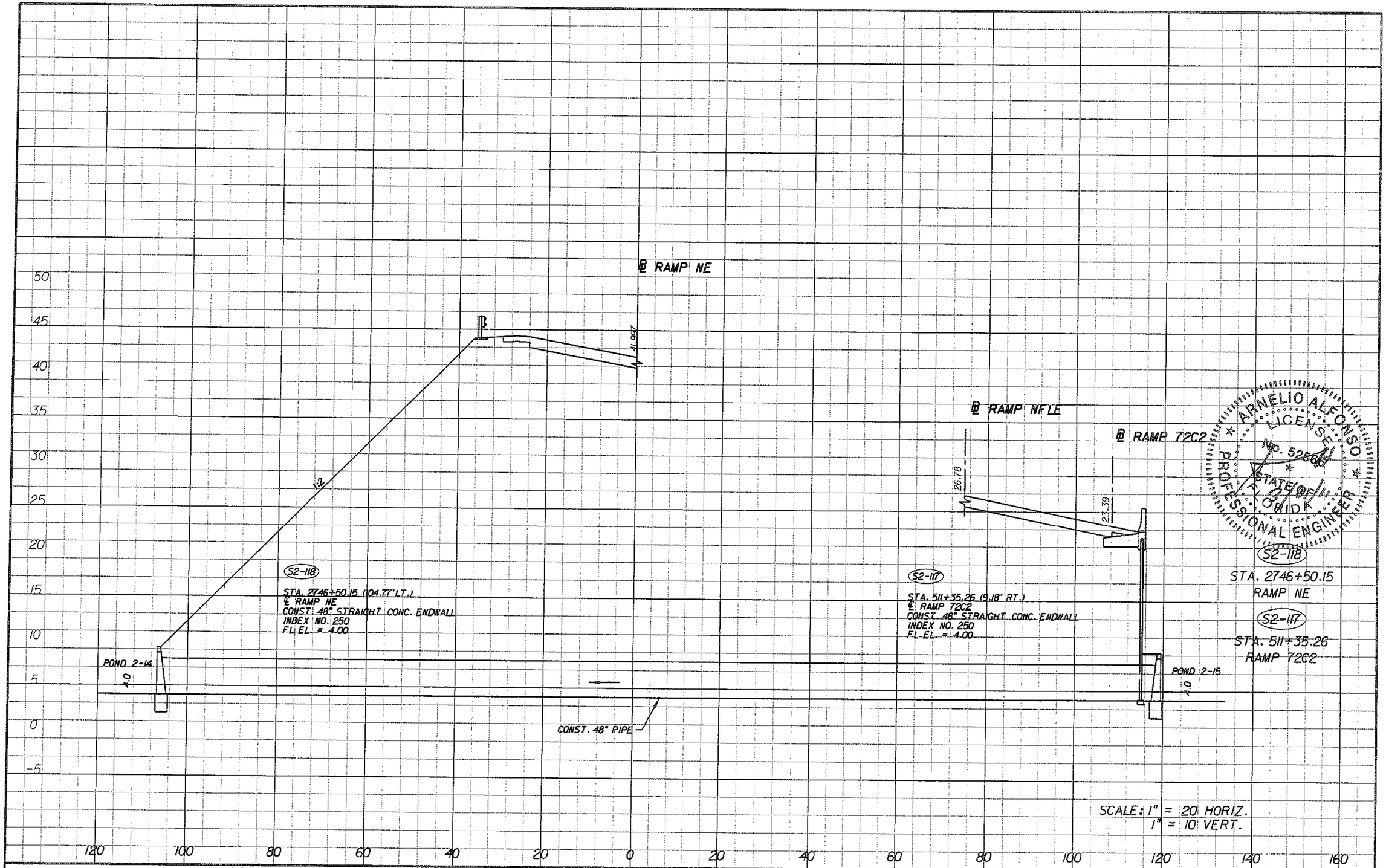
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-104

malfonso 5/30/2011 4:05:19 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / Fax: (305) 593-1584
CA No. : EB-0007597
Arnelio Alfonso, P.E. No. 52566

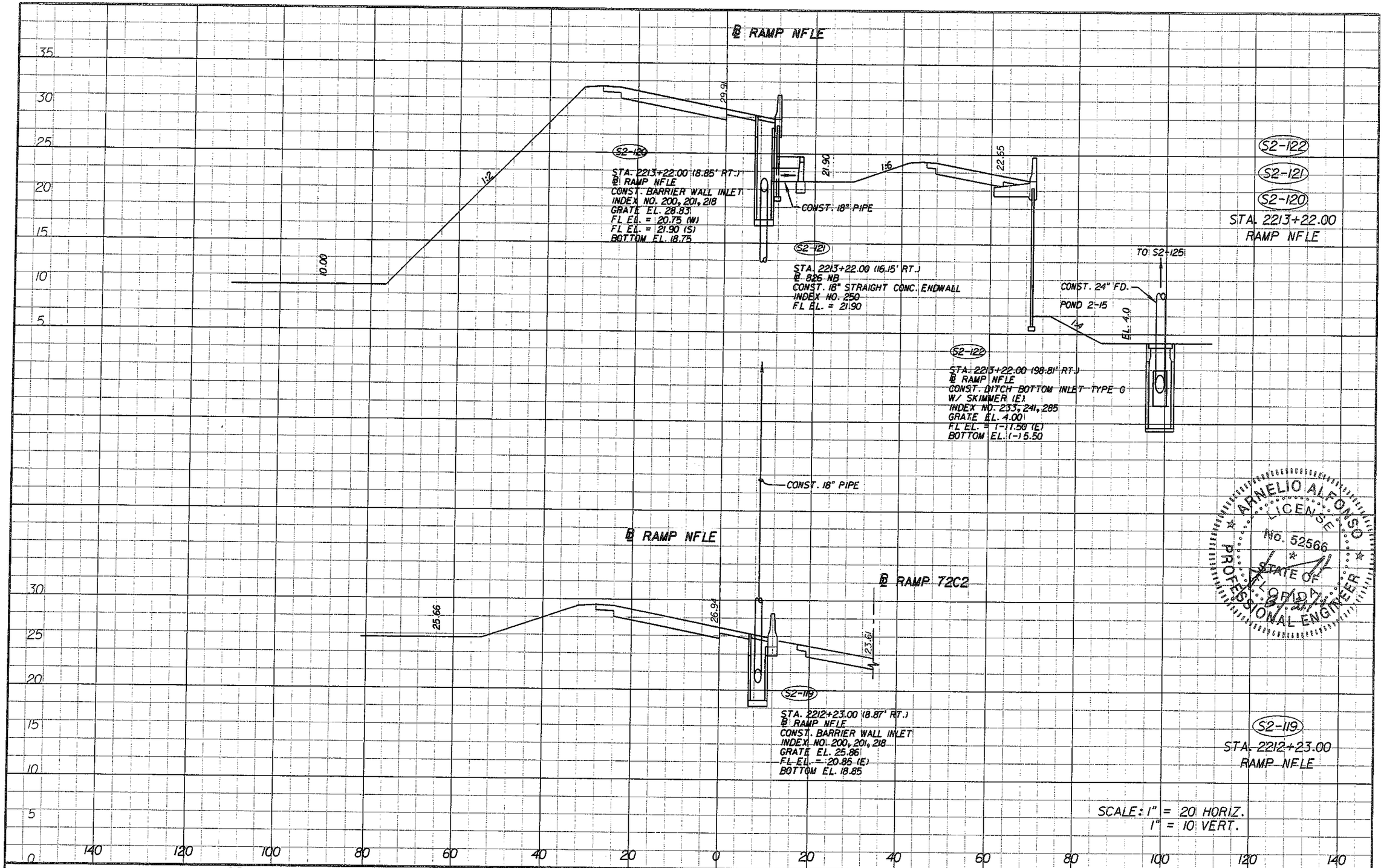
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-105

malfonso 3/30/2011 4:05:51 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
8305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7883 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

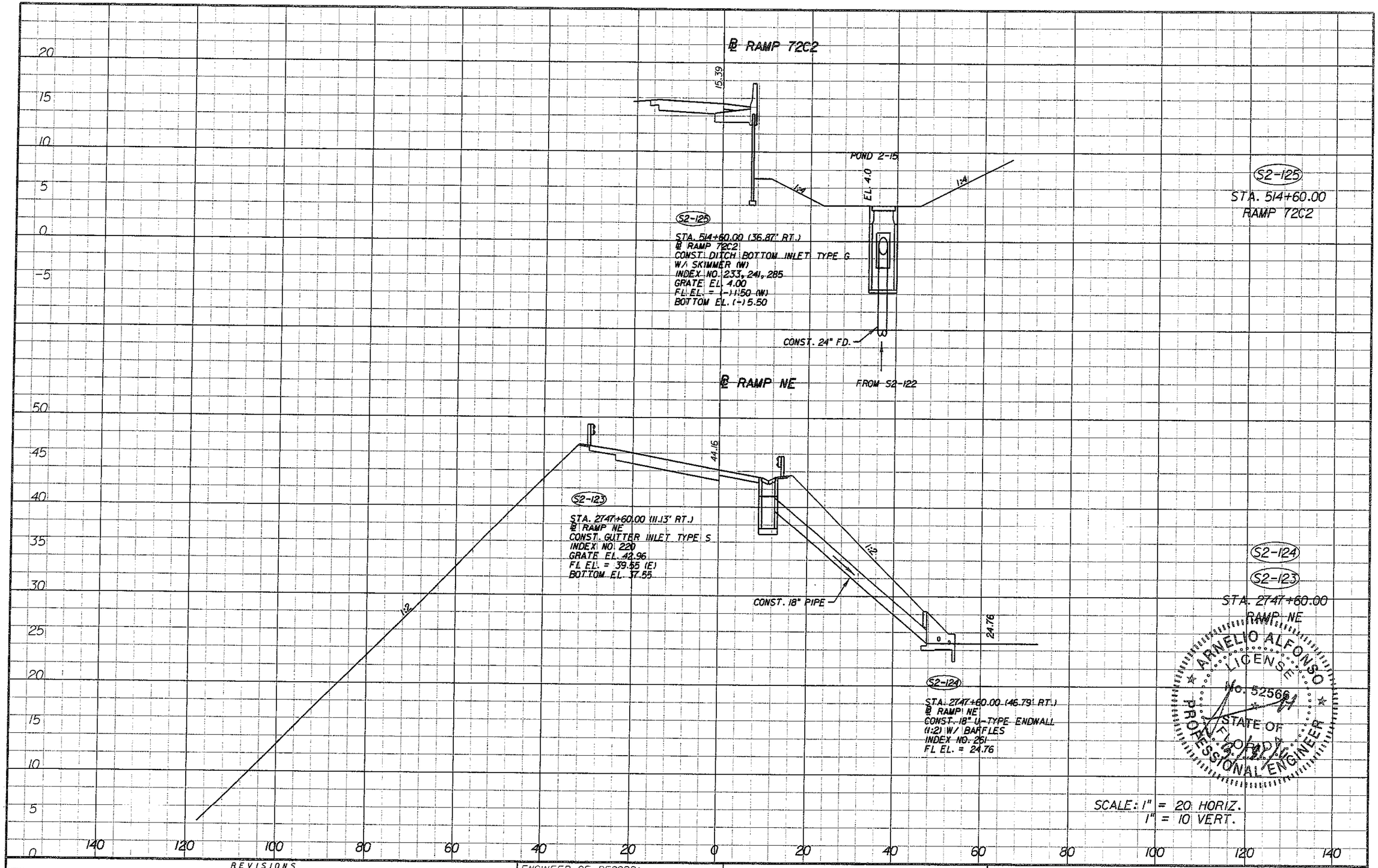
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-106

malfonso 3/30/2011 4:06:16 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7285 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

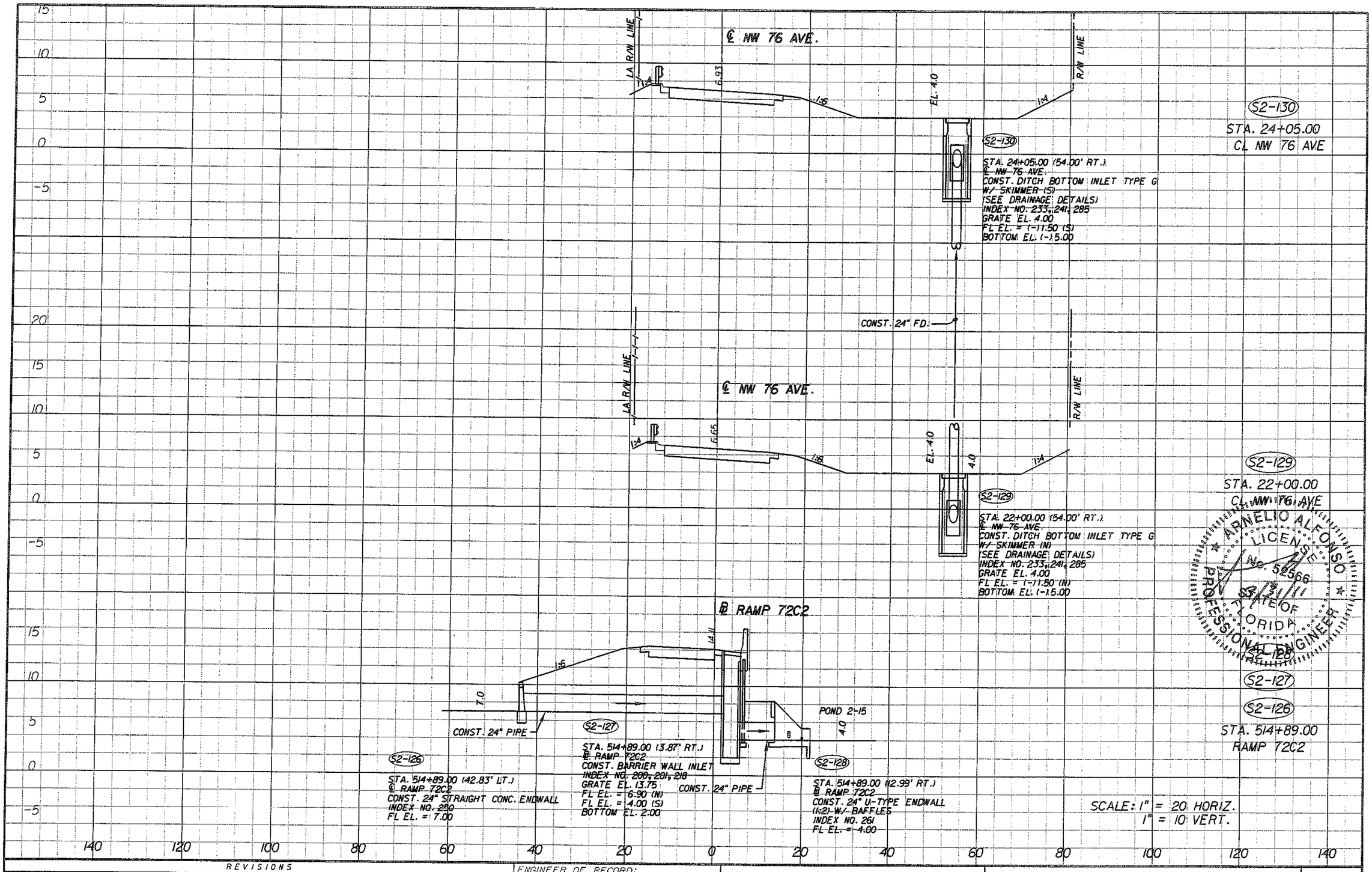
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 2-107

malfonso 3/30/2011 4:06:53 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER
3/30/11

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1694
CA No. : EB-0007791
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

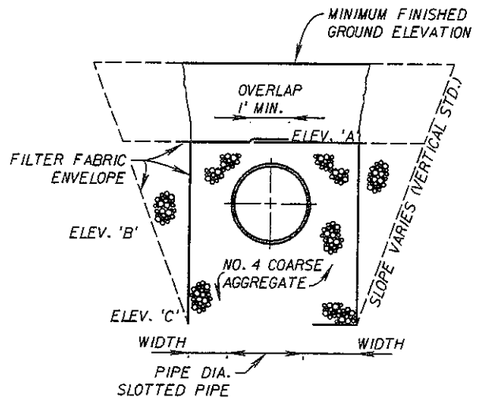
DRAINAGE STRUCTURES

SHEET NO. 2-108

malfonso 3/30/2011 4:07:18 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRXSRD02.DGN

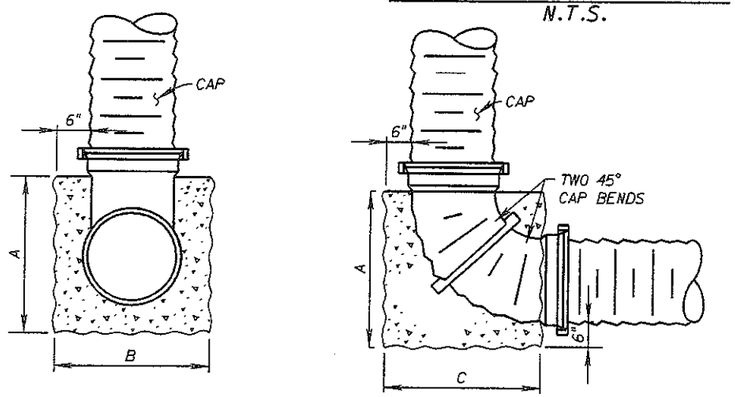
FRENCH DRAIN SECTION SUMMARY TABLE

FRENCH DRAIN SECTION	PIPE DIA.	ELEV. 'A'	ELEV. 'B'	ELEV. 'C'	WIDTH
S2-2 TO S2-8	24"	3.50	(-)1.50	(-)11.00	1.00'
S2-4 TO S2-5	24"	3.50	(-)1.50	(-)11.00	1.00'
S2-86 TO S2-91	24"	3.50	(-)1.50	(-)11.00	1.00'
S2-96 TO S2-99	24"	3.50	(-)1.50	(-)11.00	1.00'
S2-122 TO S2-125	24"	3.50	(-)1.50	(-)11.00	1.00'
S2-13A	24"	3.50	(-)1.50	(-)11.00	1.00'
S2-20 TO S2-52	24"	3.50	(-)1.50	(-)11.00	1.00'
S2-75A	24"	3.50	(-)1.50	(-)11.00	1.00'
S2-100A	24"	3.50	(-)1.50	(-)11.00	1.00'
S2-41A	24"	3.50	(-)1.50	(-)11.00	1.00'
S2-129 TO S2-130	24"	3.50	(-)1.50	(-)11.00	1.00'



ROUND PIPE SHOWN

STANDARD FRENCH DRAIN CROSS SECTION (ENLARGED)
N.T.S.

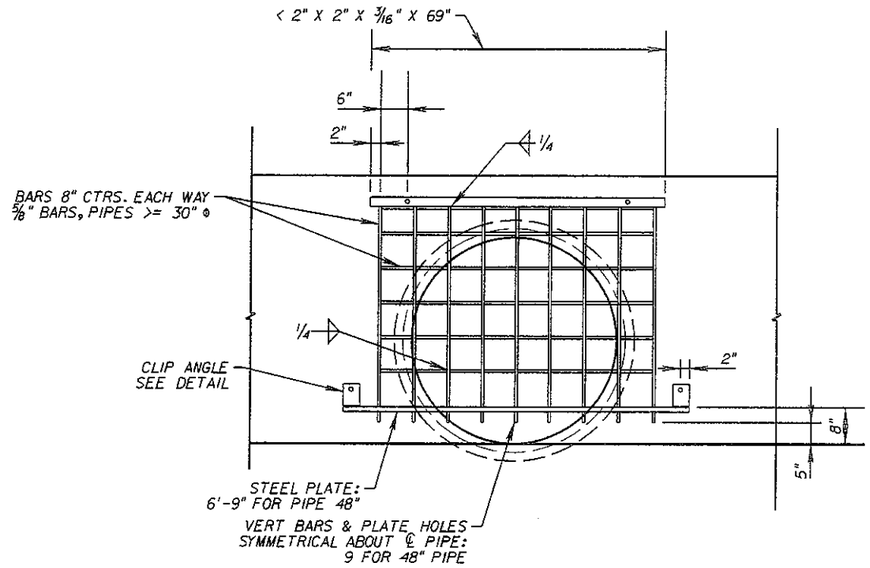


THRUST BLOCK DETAIL
N.T.S.

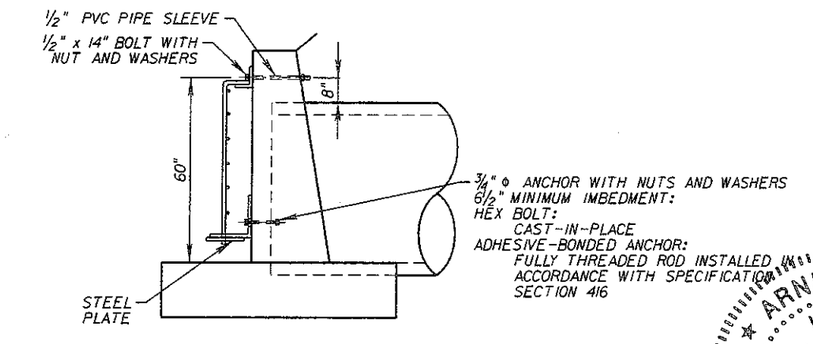
NOTE:
THRUST BLOCK IS TO BE CONSTRUCTED OF CLASS I CONCRETE. COST OF THRUST BLOCK AND CAP BENDS IS TO BE INCLUDED IN UNIT PRICE OF PIPE.

CONC. THRUST BLOCK SUMMARY TABLE

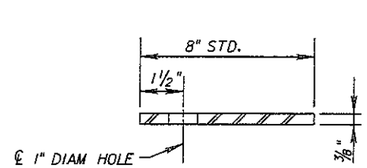
PIPE DIA.	A	B	C
18"	3'-0"	2'-6"	3'-0"
24"	4'-0"	3'-0"	4'-0"
36"	6'-0"	4'-0"	6'-0"



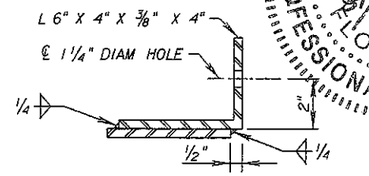
MANATEE GRATE (FRONT VIEW)
N.T.S.



SIDE VIEW
N.T.S.



SECTION - STEEL PLATE
N.T.S.



BOTTOM CLIP DETAIL
N.T.S.

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

MANATEE EXCLUSION GRATE DETAIL (48" PIPE)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007757
Arnelio Alfonso, P.E. No. 52566

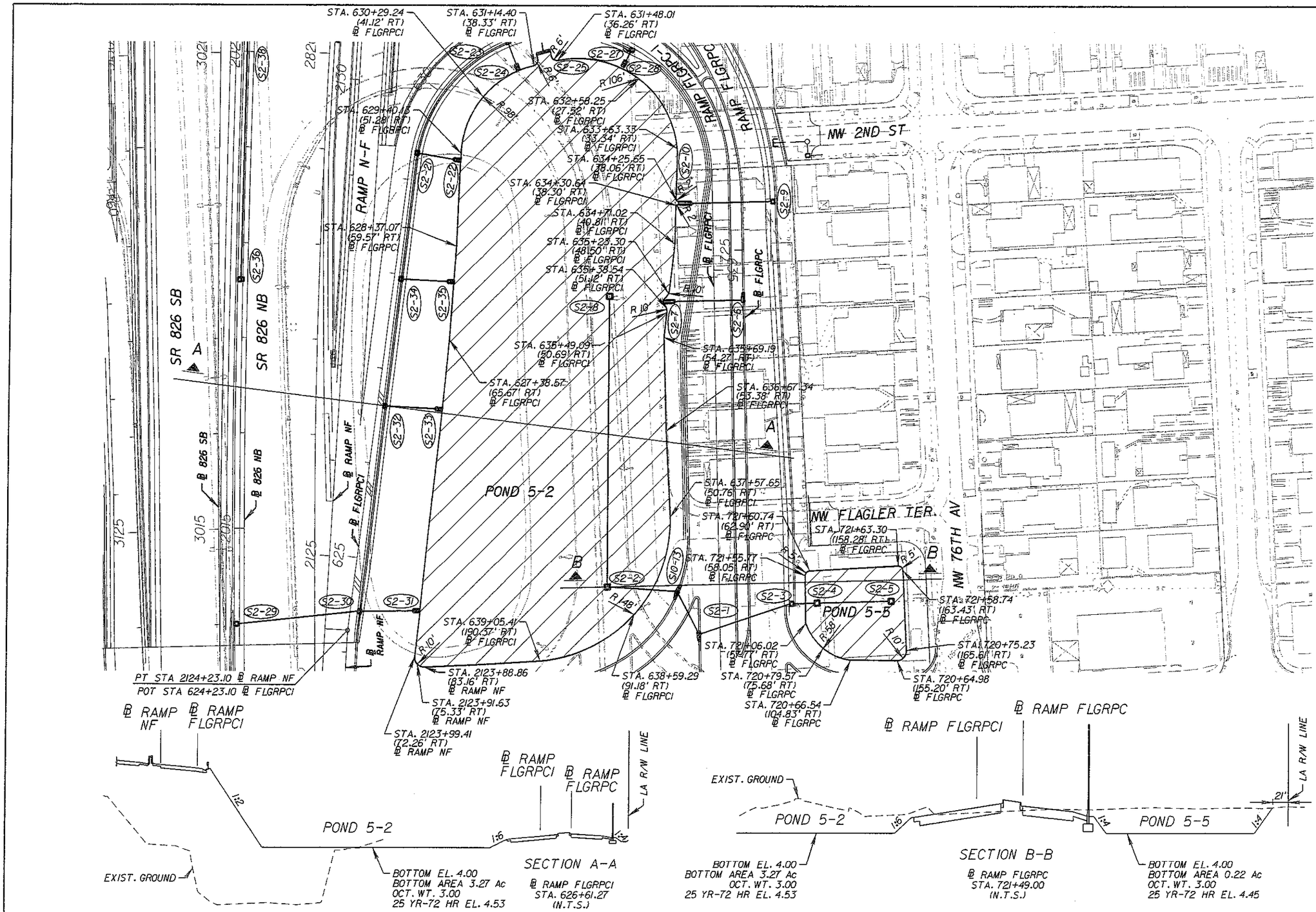
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE DETAILS

SHEET NO. 2-109

malfonso 3/29/2010 4:08:30 PM P:\249581\5201-Section 5\Segment 2\Drainage\DRDTR000.dgn



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

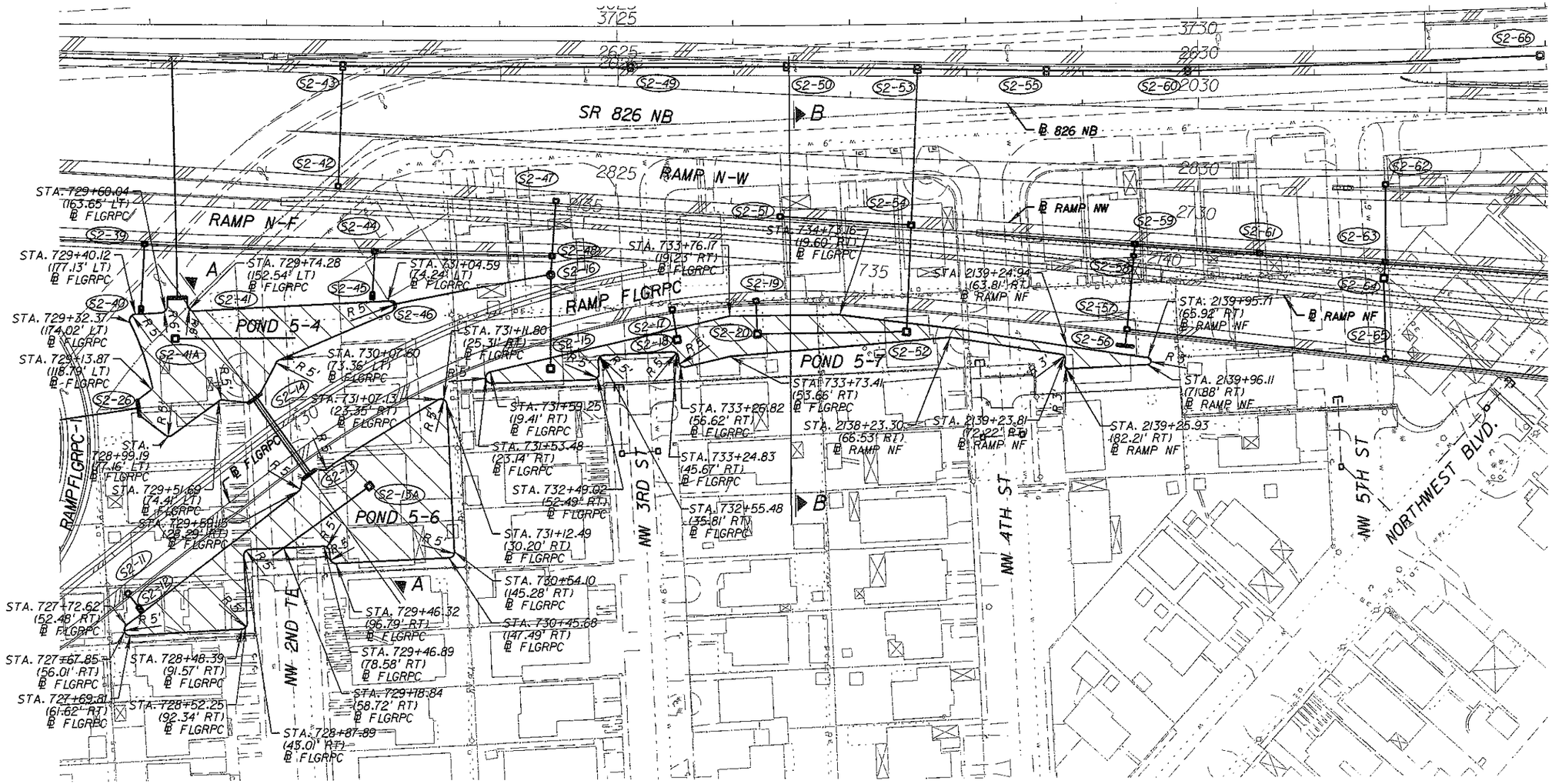
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

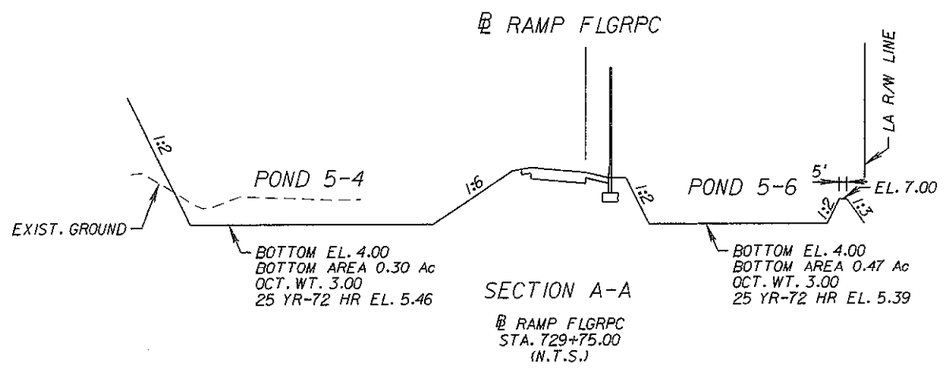
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RETENTION POND DETAILS
POND 5-2 & POND 5-5

SHEET NO. 2-110

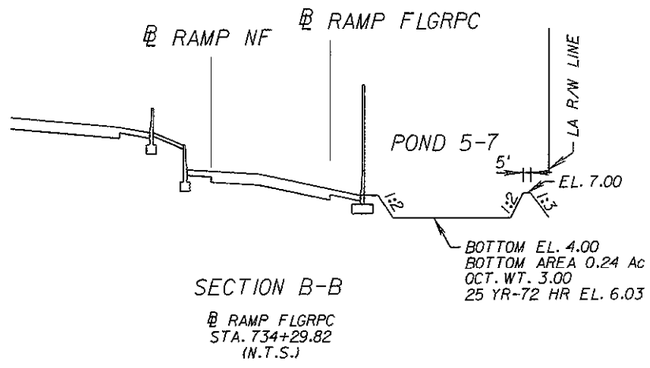
mafonso 3/30/2011 4:09:06 PM P:\249581\5201-Section 5\Segment 2\Drainage\PDPLRD02-01.dgn





SECTION A-A

℄ RAMP FLGRPC
STA. 729+75.00
(N.T.S.)



SECTION B-B

℄ RAMP FLGRPC
STA. 734+29.82
(N.T.S.)

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7263 / fax: (305) 593-1594
CA No. : EB-0001797
Arnelio Alfonso, P.E. No. 52566

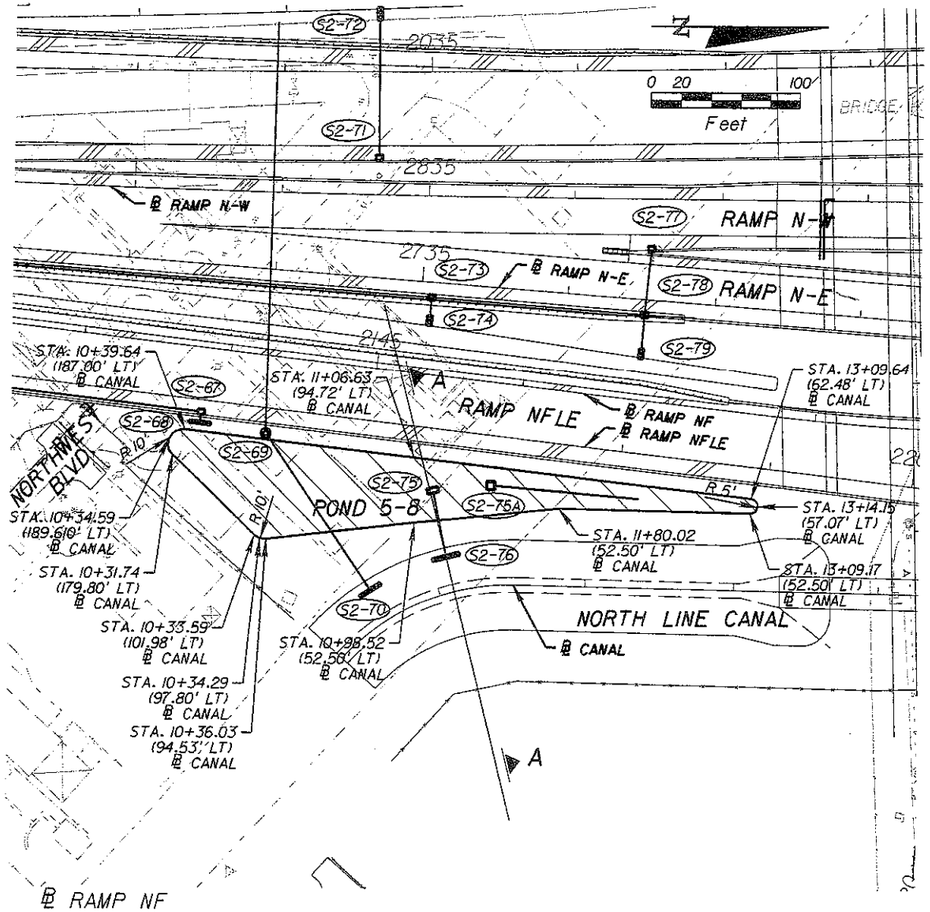
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

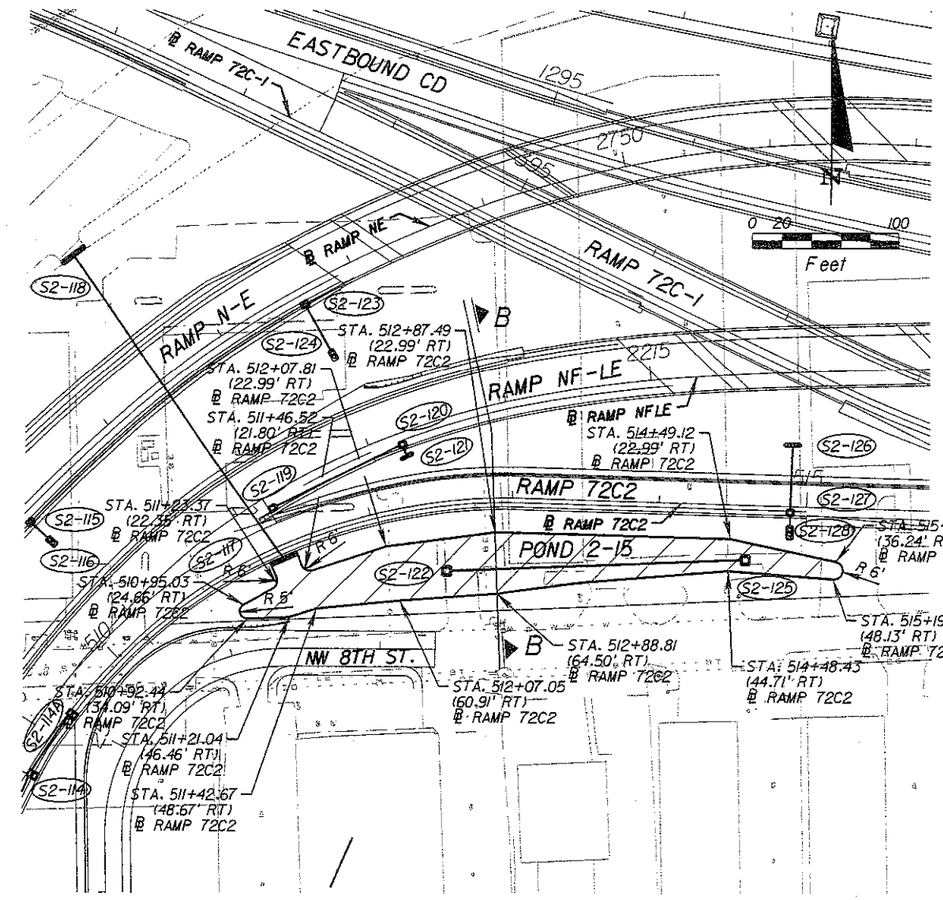
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RETENTION POND DETAILS
PONDS 5-4, 5-6 & 5-7

SHEET NO. 2-111

nsanchez 4/15/2011 5:00:47 PM p:\249581152\01-Section 5\Segment 2\Drainage\PDPLRD02-02.dgn





ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007597
Arnelio Alfonso, P.E. No. 52566

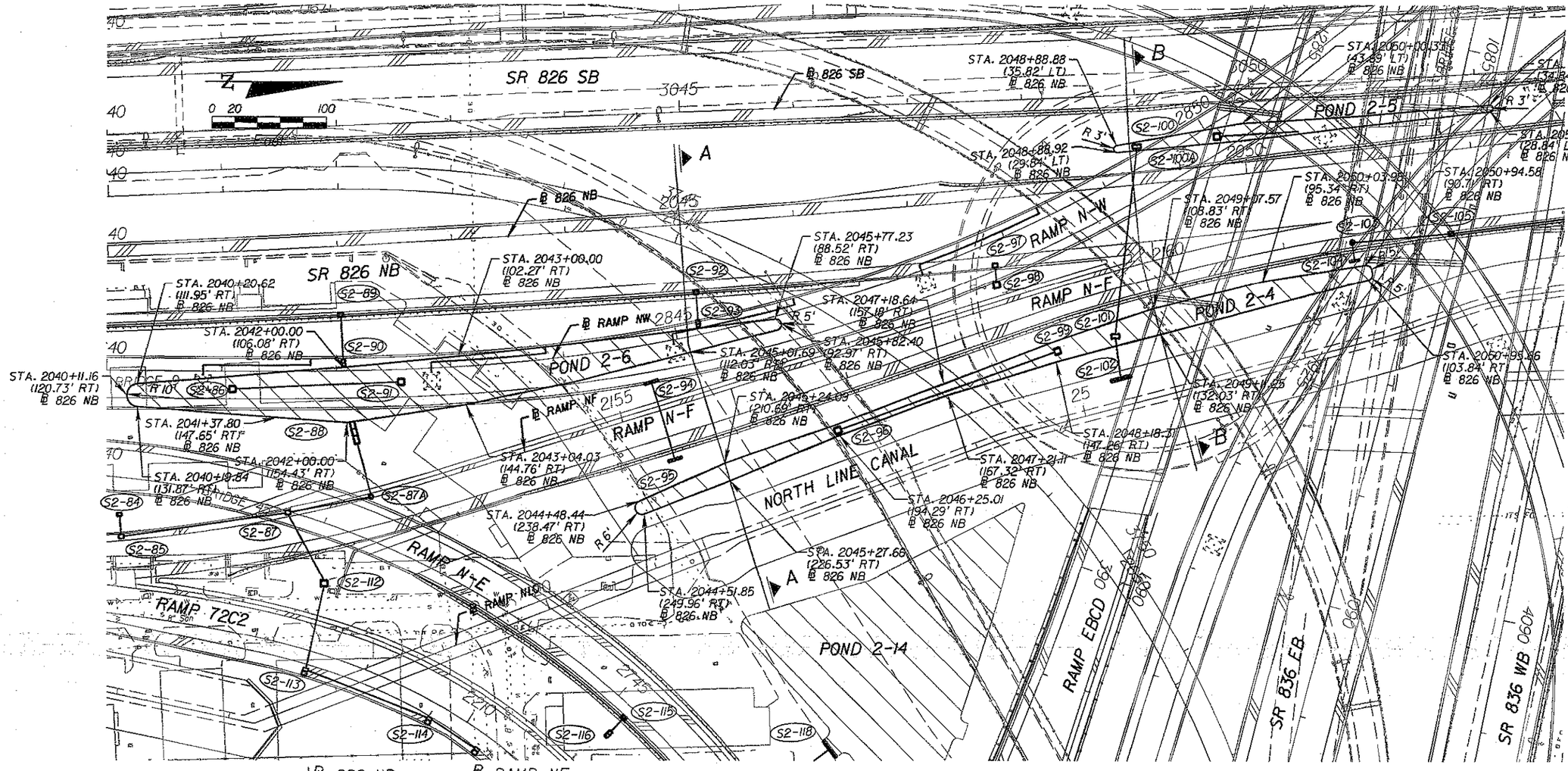
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

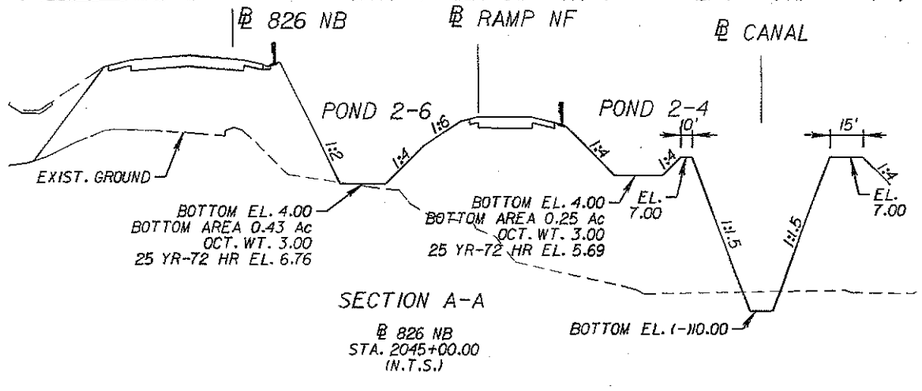
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RETENTION POND DETAILS
PONDS 5-8 & 2-15

SHEET NO. 2-112

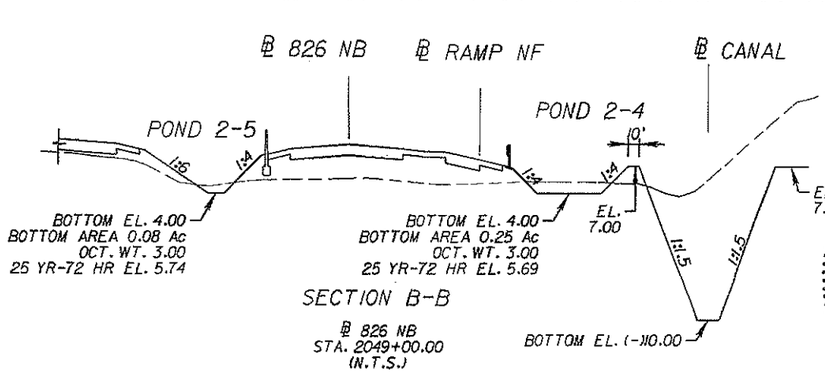
malfonso 3/30/2011 4:10:24 PM P:\249581\5201-Section 5\Segment 2\Drainage\PDPLRD02-03.dgn





SECTION A-A

℄ 826 NB
STA. 2045+00.00
(N.T.S.)



SECTION B-B

℄ 826 NB
STA. 2049+00.00
(N.T.S.)

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
8305 N.W. 4th Street, suite 115
Miami, FL 33126
(305) 592-7883 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RETENTION POND DETAILS
PONDS 2-4, 2-5 & 2-6

SHEET NO. 2-113

FDOT 179
Rev#322
RFM 235

COMPONENTS OF CONTRACT PLANS SET (SEGMENT 3)

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS
INTELLIGENT TRANSPORTATION SYSTEMS (ITS) PLANS
LIGHTING PLANS
LANDSCAPE PLANS
STRUCTURE PLANS

SUBMITTAL NO.
S03RDW-RFC

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 249581-1-52-01
(FEDERAL FUNDS)

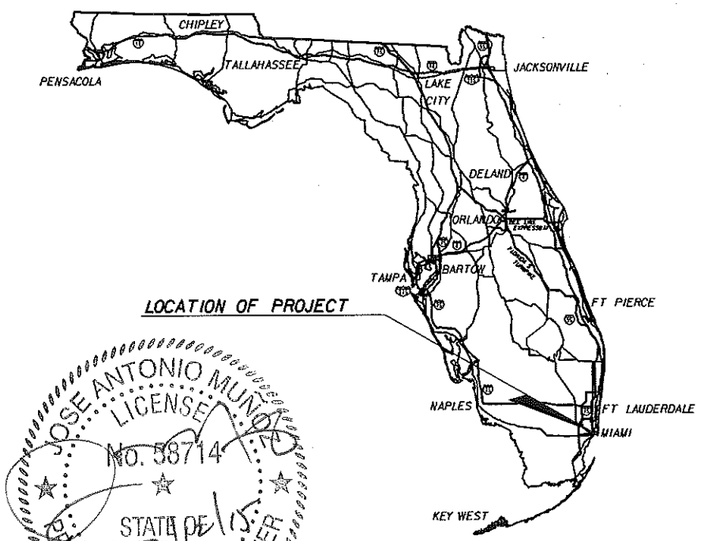
MIAMI-DADE COUNTY (87260)

STATE ROAD NO. 826 (PALMETTO EXPRESSWAY)

SR-826/SR-836 INTERCHANGE

SECTION 5

SEGMENT 3



JOSE ANTONIO MUNOZ
LICENSED
No. 58714
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

JOSE MUNOZ, P.E.
BCC ENGINEERING
7300 N KENDALL DRIVE,
SUITE 400
MIAMI, FL 33156
PH: (305) 670-2350

PLANS PREPARED BY:

bcc engineering

7300 N Kendall Drive, Suite 400
Miami, Florida 33156
Phone: (305) 670-2350
Fax: (305) 670-2351

Certificate of Authorization No. 7184
Contract No. E-6F61 .
Vendor Identification No. 65-0540100

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

INDEX OF ROADWAY PLANS

SHEET NO.		SHEET DESCRIPTION
3-1		KEY SHEET
3-2	- 3-7	TYPICAL SECTIONS
3-8		TYPICAL SECTIONS DETAILS
3-9	- 3-10	SUMMARY OF QUANTITIES
3-11	- 3-13	SUMMARY OF DRAINAGE STRUCTURES
3-14	- 3-15	OPTIONAL MATERIALS TABULATION
3-16		GENERAL NOTES
CTL-1	- CTL-4	PROJECT NETWORK CONTROL
CACD		COORDINATE AND CURVE DATA
CASD		COORDINATE AND SPIRAL DATA
3-17	- 3-20	ROADWAY PLANS
3-21	- 3-36	PROFILES
3-37	- 3-44	RAMP TERMINAL DETAILS
3-45	- 3-48	DRAINAGE PLANS
3-49	- 3-76	DRAINAGE STRUCTURES
3-77		DRAINAGE DETAILS
3-78	- 3-79	RETENTION PONDS DETAILS
3-80	- 3-81	CROSS SECTION PATTERN SHEET
3-82	- 3-132	CROSS SECTIONS
3-133		ROADWAY SOIL SURVEY
UA3-1	- UA3-4	UTILITY ADJUSTMENT SHEETS

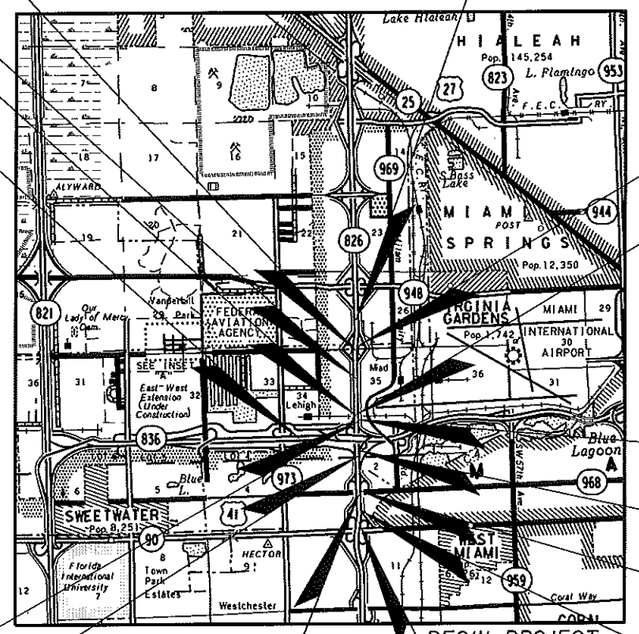
BEGIN BRIDGE
STA. 185+03.34
℄ SR-826

EQUATION
STA. 2097+81.66 ℄ S.R. 826 NB BACK=
STA. 171+94.87 ℄ SR-826 AHEAD

BEGIN BRIDGE No. 29B
STA. 2064+60.54
℄ SR-826 NB

BEGIN CONSTRUCTION
STA. 1033+75.00
℄ SR-836 EB

END PROJECT
STA. 208+50.00
℄ SR-826



END BRIDGE
STA. 186+40.34
℄ SR-826

END BRIDGE No. 29B
STA. 2065+77.60
℄ SR-826 NB

END BRIDGE No. 30B
STA. 2059+76.96
℄ SR-826 NB

END BRIDGE No. 43
STA. 2038+87.55
℄ SR-826 NB

END BRIDGE No. 16B
STA. 2013+47.49
℄ SR-826 NB

EQUATION
STA. 2000+00.00 ℄ S.R. 826 N.B. AHEAD=
STA. 353+00.64 ℄ SR-826 BACK

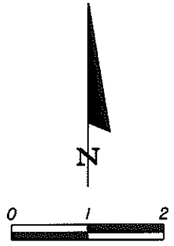
END SEGMENT 3
BEGIN BRIDGE No. 30A
STA. 3058+32.25
℄ SR-826 SB

BEGIN BRIDGE No. 43
STA. 2037+64.55
℄ SR-826 NB

BEGIN SEGMENT 3
BEGIN BRIDGE No. 16A
STA. 3011+77.60
℄ SR-826 SB

BEGIN PROJECT
STA. 341+22.00
℄ SR-826
M.P. 6.064

PROJECT LENGTH IS BASED ON ℄ S.R. 826 NB & ℄ S.R. 826



GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2008,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2007,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 7-1-09
For Design Standards Modifications click on
"Design Standards" at the following web site:
http://www.dot.state.fl.us/rddesign/

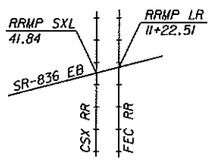
REVISIONS:

SHEETS 3-2 THRU 3-4, 3-9, 3-10, 3-11 THRU 3-13, 3-17 THRU 3-27, 3-37, 3-40, 3-41, 3-44, 3-45, 3-46, 3-49, 3-50, 3-54, 3-61, 3-62, 3-64, 3-65, 3-82 THRU 3-132, S3-3 THRU S3-6, S3-11, S3-12 (REVISION 11 11/14/2012)

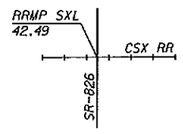
SHEETS 3-9, 3-10, 3-20 (REVISION 305 06/03/2014)

SHEETS 3-9, 3-10, 3-17, 3-18, 3-24, 3-33 THRU 3-36, 3-38, 3-39, 3-82 THRU 3-132 (REVISION 320 06/26/2014)

SHEETS 3-17 THRU 3-19 (REVISION 322 06/23/2014)



FEC RR CROSSING No. 272789N
CSXT RR CROSSING No. 628534F



CSX RR CROSSING No. 628537B

LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	13,928.36	2.638
BRIDGES	687.07	0.130
NET LENGTH OF PROJECT	14,615.43	2.768
EXCEPTIONS	0.00	0.00
GROSS LENGTH OF PROJECT	14,615.43	2.768

FDOT PROJECT MANAGER: ALI TOGHIANI, P.E.

KEY SHEET REVISIONS

DATE	DESCRIPTION

ROADWAY PLANS
ENGINEER OF RECORD: JOSE MUNOZ , PE.

P.E. NO.: 58714

FISCAL YEAR	SHEET NO.
09	3-1

RELEASED FOR CONSTRUCTION

rraghunandan 3/7/2015 7:40:25 PM K:\249581\520\roadway\Segment 3\KEYSR003.DGN

1" = 100'

SW 78TH AVE.

W. FLAGLER ST

SW 77TH CT

RAMP FLGRPD

℄ FLGRPD

℄ FLGRPD1

RAMP S-F

℄ RAMP S-F

℄ SR 826 SB

SR 826 SB

℄ SR 826 NB

SR 826 NB

POND 5-1

S3-4 130' OF 18" PIPE

S3-6

S3-7 55' OF 18" PIPE

S3-5

S10-23 300' OF 36" FD

S3-8

S3-15 47' OF 18" PIPE

S3-16

S3-18

S3-17 127' OF 36" PIPE

S3-20 42' OF 18" PIPE

S3-11

S3-10 53' OF 18" PIPE

S3-19

S3-22 59' OF 18" PIPE

S3-21 54' OF 18" PIPE

S3-2 60' OF 18" PIPE

S3-1A

S3-1 49' OF 18" PIPE

S3-9

S3-3 79' OF 18" PIPE

320 320 320 320 331

955 950 855 850 3120 3010 2010 3015 2015

MATCH LINE STA. 2020+00.00 ℄ S.R. 826 NB

BEGIN SEGMENT 3
STA. 3011+77.60 ℄ S.R. 826 SB
BEGIN BRIDGE

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
12/11/12	111 MODIFIED DRAINAGE DUE TO FUTURE MANAGED LANES	08/12/14	320 MODIFIED DRAINAGE DUE TO RAMP S-F HAS BEEN CHANGED
07/23/14	331 ADDED S3-1A PLUS S3-1 & S3-2 HAVE BEEN MOVED		

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

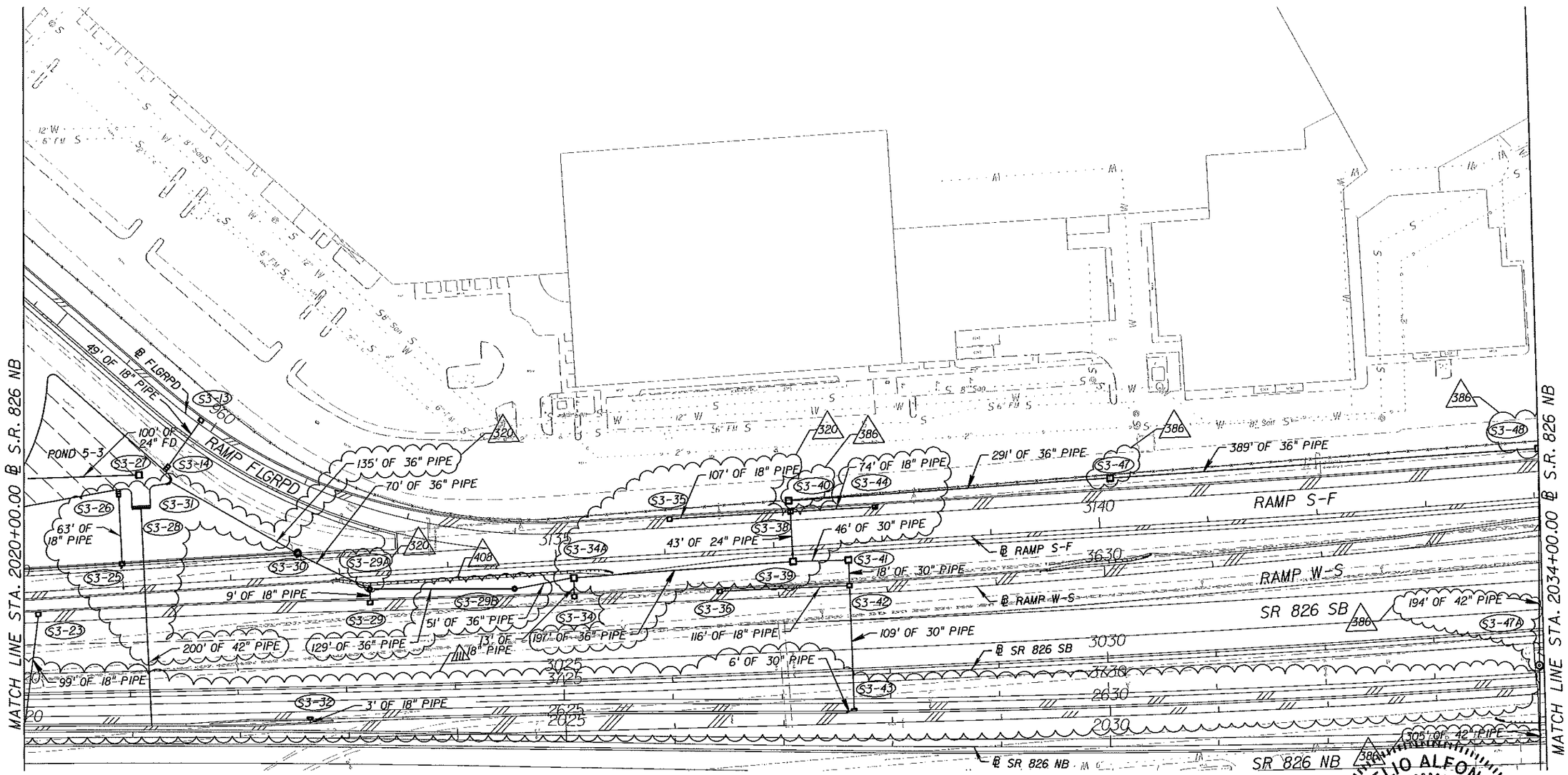
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS
RELEASED FOR CONSTRUCTION

SHEET NO. 3-45

1" = 100'



RELEASED FOR CONSTRUCTION

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
12/11/12	111 MODIFIED DRAINAGE DUE TO FUTURE MANAGED LANES	02/13/15	386 ADDED S3-47A, S3-70A & S3-40, S3-47 & S3-48 HAVE BEEN ADJUSTED
08/12/14	320 MODIFIED DRAINAGE DUE TO RAMP S-F HAS BEEN CHANGED	04/24/15	408 ADJUSTED DRAINAGE DUE TO CONFLICT W/ DRILLED SHAFT OHS 3-2

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

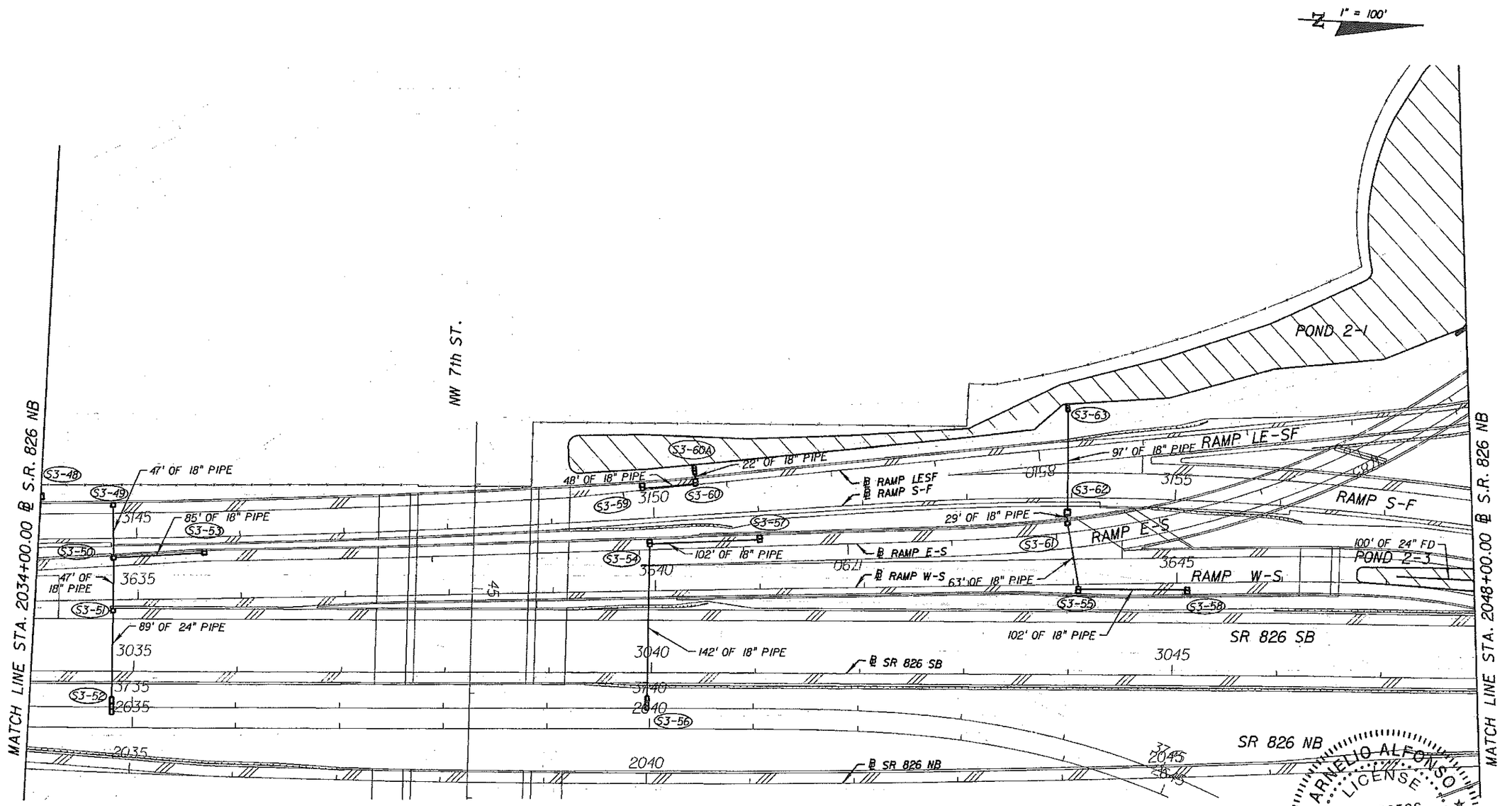
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS

SHEET NO. 3-46

malfonso 4/27/2015 11:32:41 AM P:\249581\5201-Section 5\Segment 3\Drainage\Managed Lane\DRPLAN03_02_ml.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0001791
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

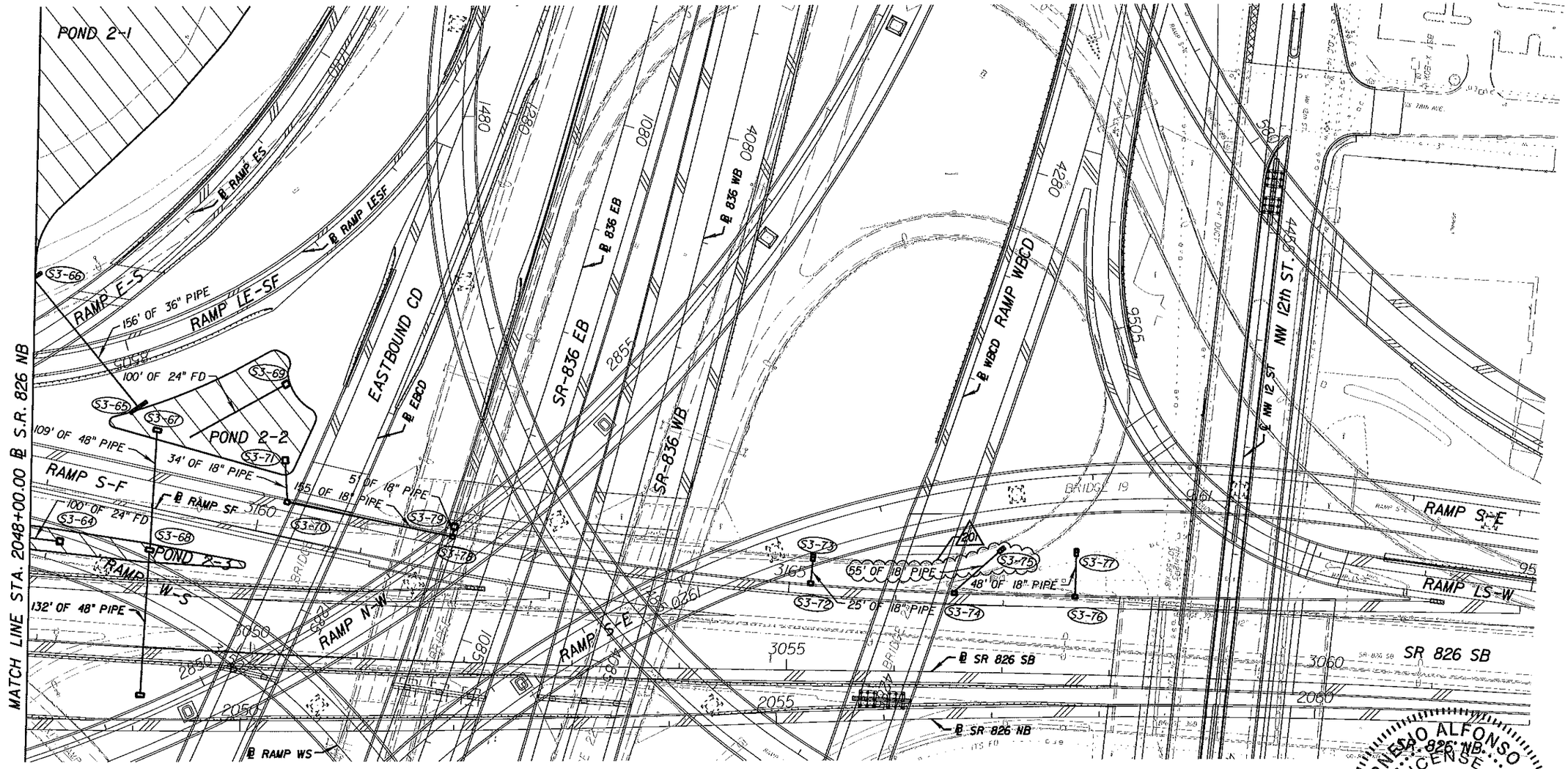
RELEASED FOR CONSTRUCTION

DRAINAGE PLANS

SHEET NO. 3-47

malfonso 4/10/2012 1:09:29 PM P:\249581\5201-Section 5\Segment 3\Drainage\DRPLAN03_03.dgn

1" = 100'



ARNALDO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06/04/13	201 STATION AT S3-75 HAS BEEN CHANGED DUE TO BOTTOM WALLS W24 HAS BEEN REVISED		

ENGINEER OF RECORD:
ENGINEERS
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0001797
Arnaldo Alfonso, P.E. No. 52566

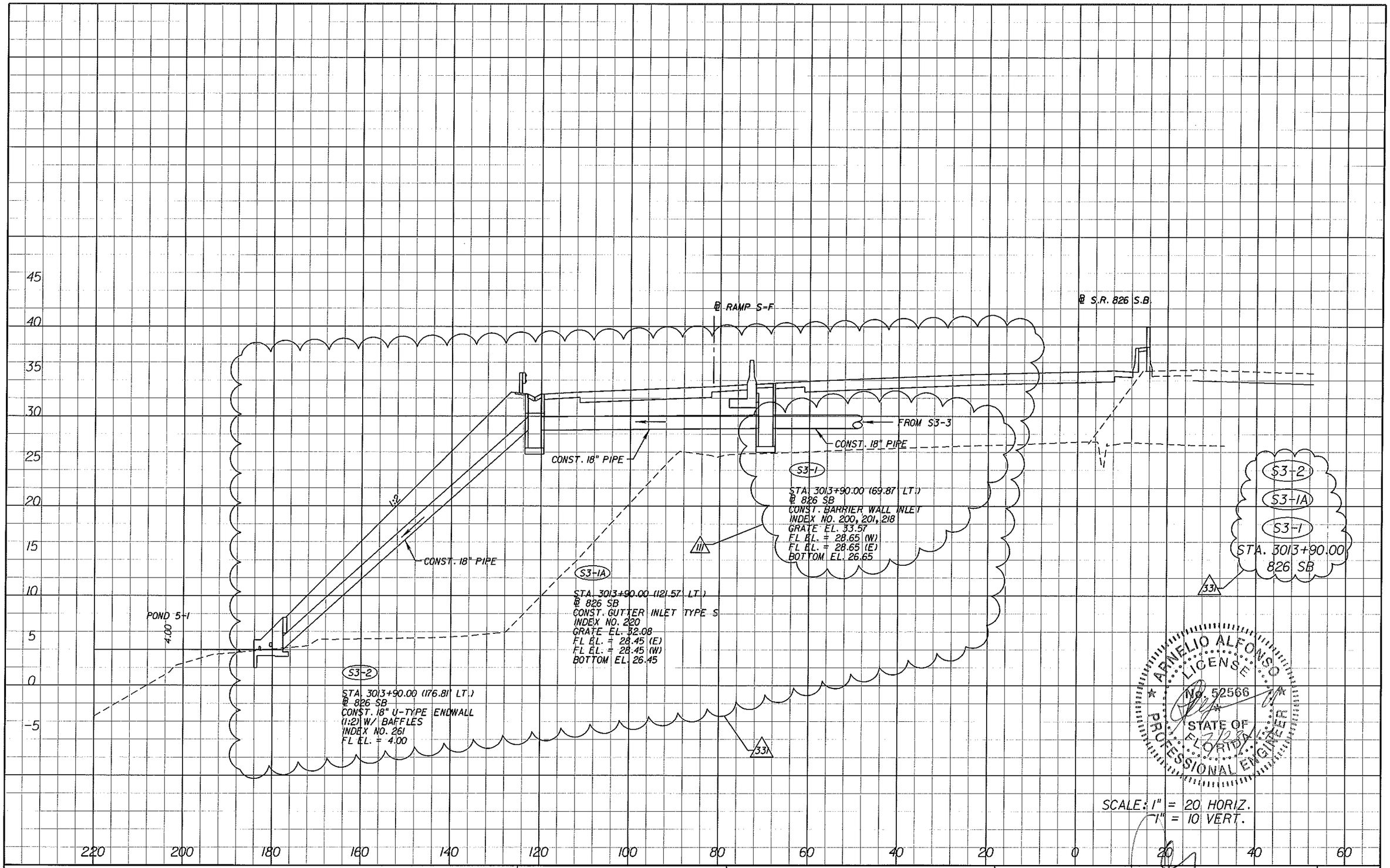
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION
DRAINAGE PLANS

SHEET NO. 3-48

malfonso 6/6/2013 9:15:53 AM P:\249581\5201-Section 5\Segment 3\Drainage\REVISION_201\DRPLAN03_04.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
12/11/12	3 MODIFIED DRAINAGE DUE TO FUTURE MANAGED LANES		
07/23/14	33 ADDED S3-1A PLUS S3-1 & S3-2 HAVE BEEN MOVED		

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

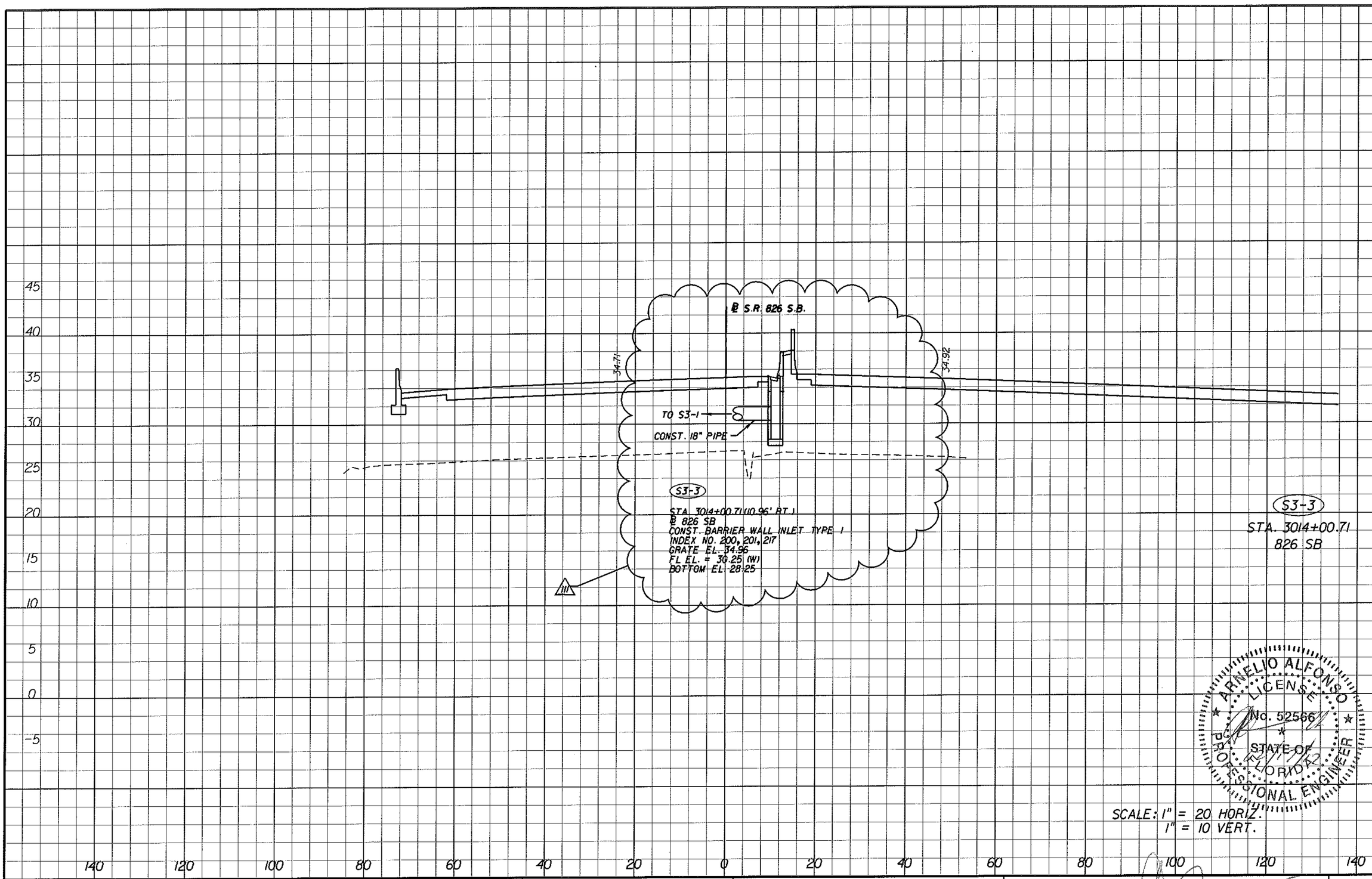
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

ARNELIO ALFONSO LICENSE NO. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-49



S3-3

STA. 3014+00.71

826 SB

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
12/11/12	(3) MODIFIED DRAINAGE DUE TO FUTURE MANAGED LANES		

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 ; fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

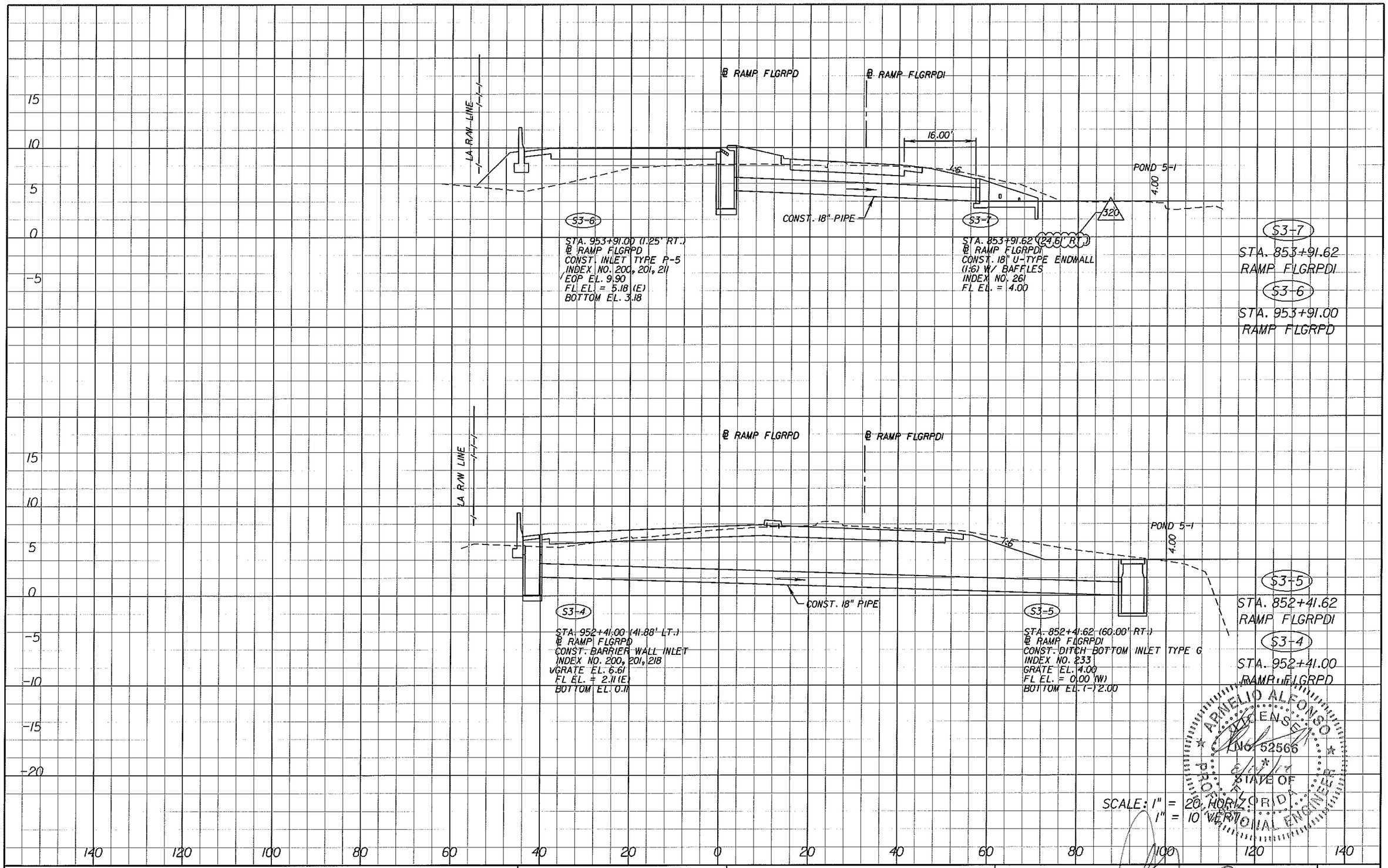
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-50

malfonso 12/17/2012 3:18:31 PM P:\249581\5201-Section 5\Segment 3\Drainage\Managed Lane\DRXSR001_mf.DGN



ARNELIO ALFONSO
LICENSED
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
08/12/14	⚠320 MODIFIED DRAINAGE DUE TO RAM S-F HAS BEEN CHANGED		

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

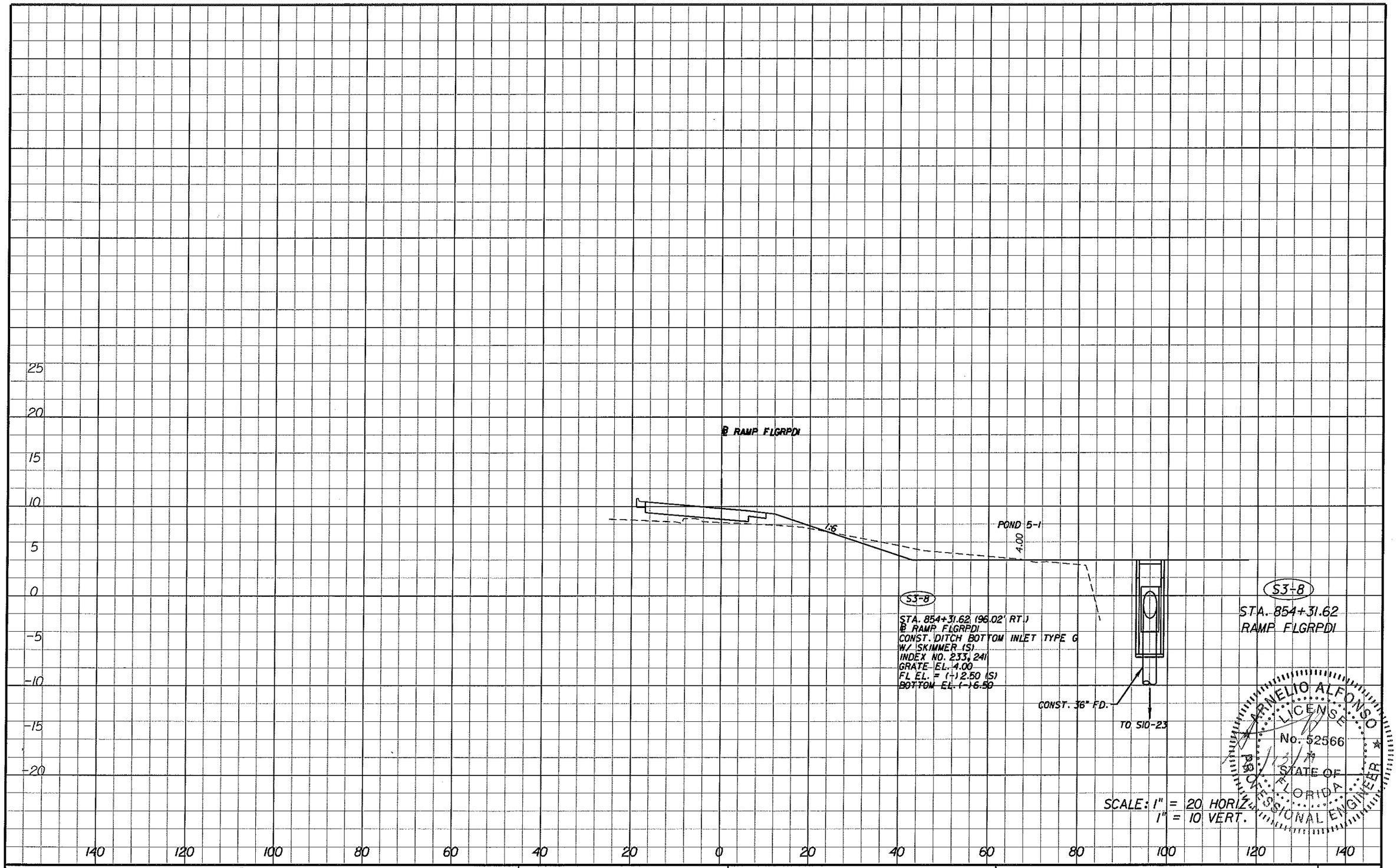
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

RELEASED FOR CONSTRUCTION

SHEET NO. 3-51

malfonso 8/14/2014 11:48:48 AM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / Fax: (305) 593-1594
CA No. : EB-0007787
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

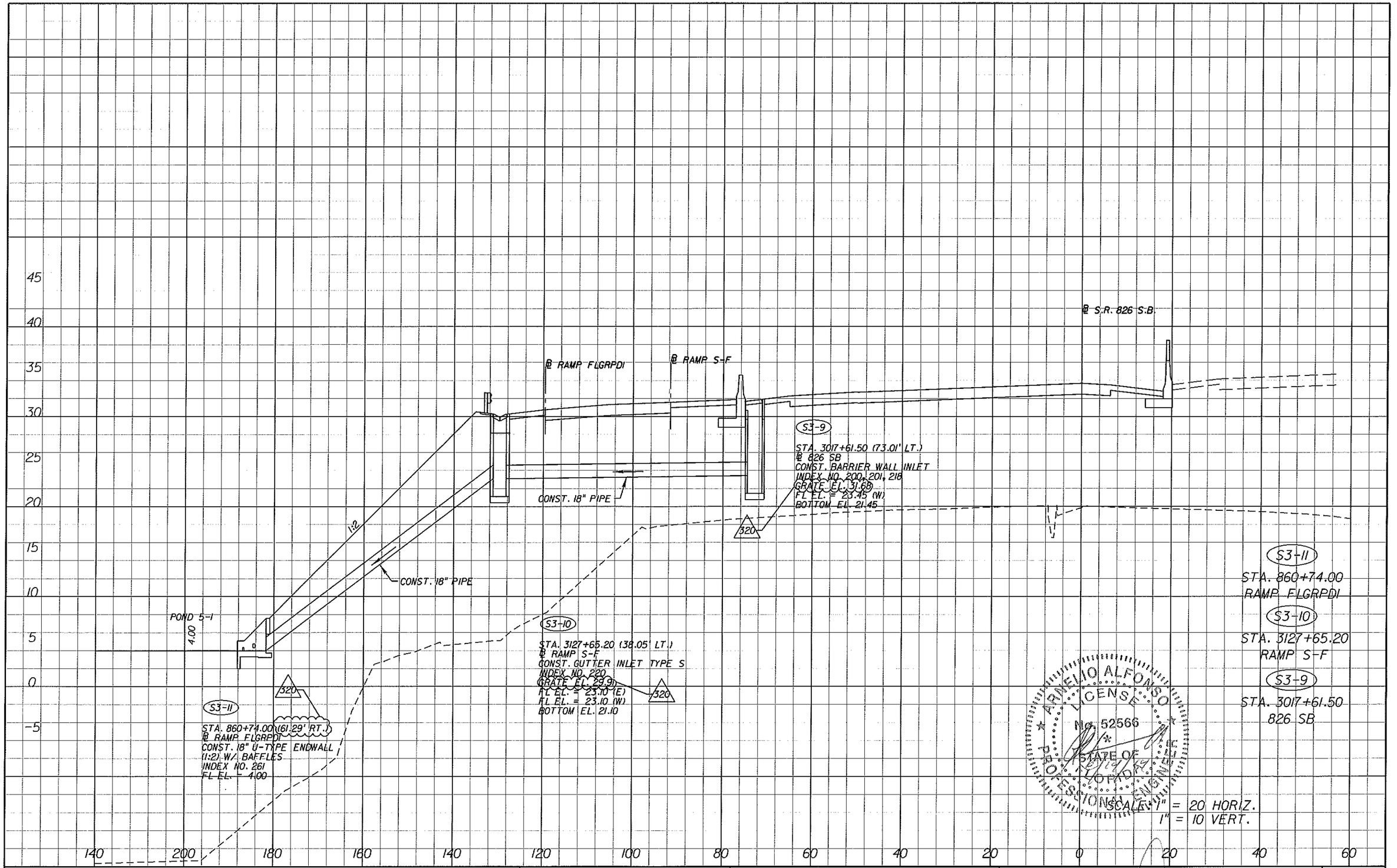
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-52

nsanchez 6/13/2011 1:32:31 PM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
08/12/14	320 MODIFIED DRAINAGE DUE TO RAM S-F HAS BEEN CHANGED		

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

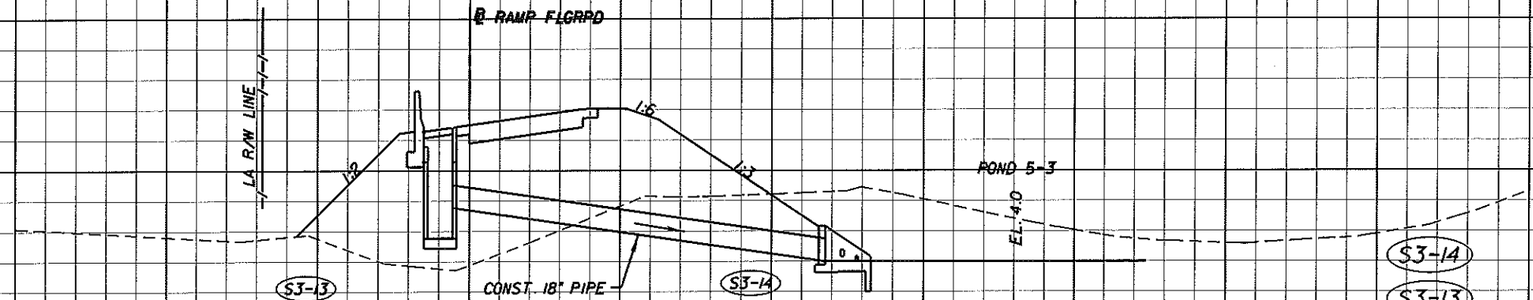
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

RELEASED FOR CONSTRUCTION

SHEET NO. 3-53

malfonso 8/14/2014 11:49:34 AM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSRD01.DGN



S3-13
STA. 959+86.67 (3.86' LT.)
℄ RAMP FLGRPD
CONST. BARRIER WALL INLET
INDEX NO. 200, 201, 218
GRATE EL. 12.57
FL EL. = 7.55 (E)
BOTTOM EL. 5.55

S3-14
STA. 959+86.67 (46.28' RT.)
℄ RAMP FLGRPD
CONST. 18" U-TYPE ENDWALL
(1:3) W/ BAFFLES
INDEX NO. 261
FL EL. = 4.00 (W)

S3-14
S3-13
STA. 959+86.67
RAMP FLGRPD

ARMELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
12/11/12	III MODIFIED DRAINAGE DUE TO FUTURE MANAGED LANES		

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

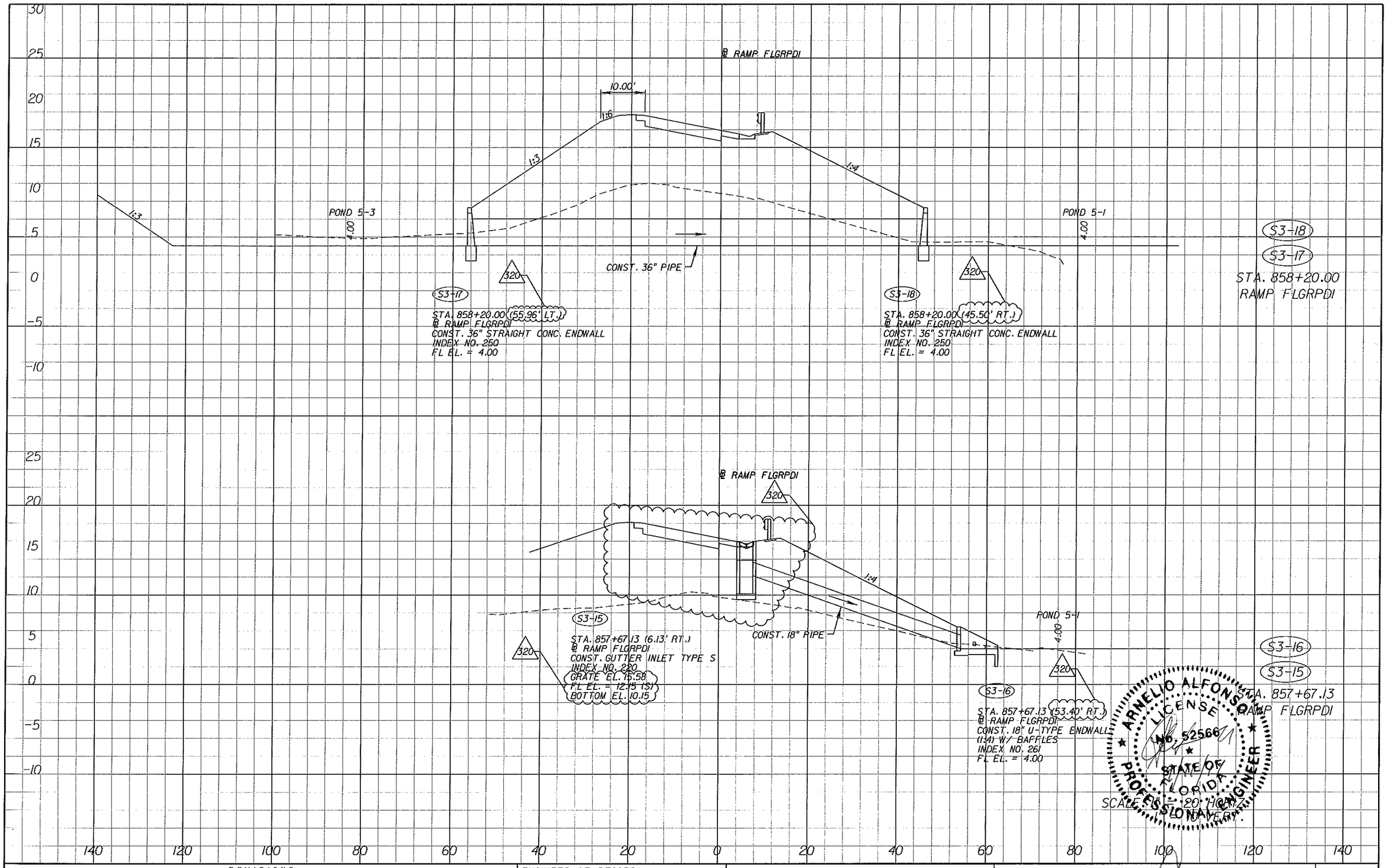
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-54

malfonso 12/17/2012 3:18:47 PM P:\249581\5201-Section 5\Segment 3\Drainage\Managed Lane\DRXSRD01_ml.DGN



ARNELIO ALFONSO LICENSE NO. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
08/12/14	△320 MODIFIED DRAINAGE DUE TO RAM S-F HAS BEEN CHANGED		

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

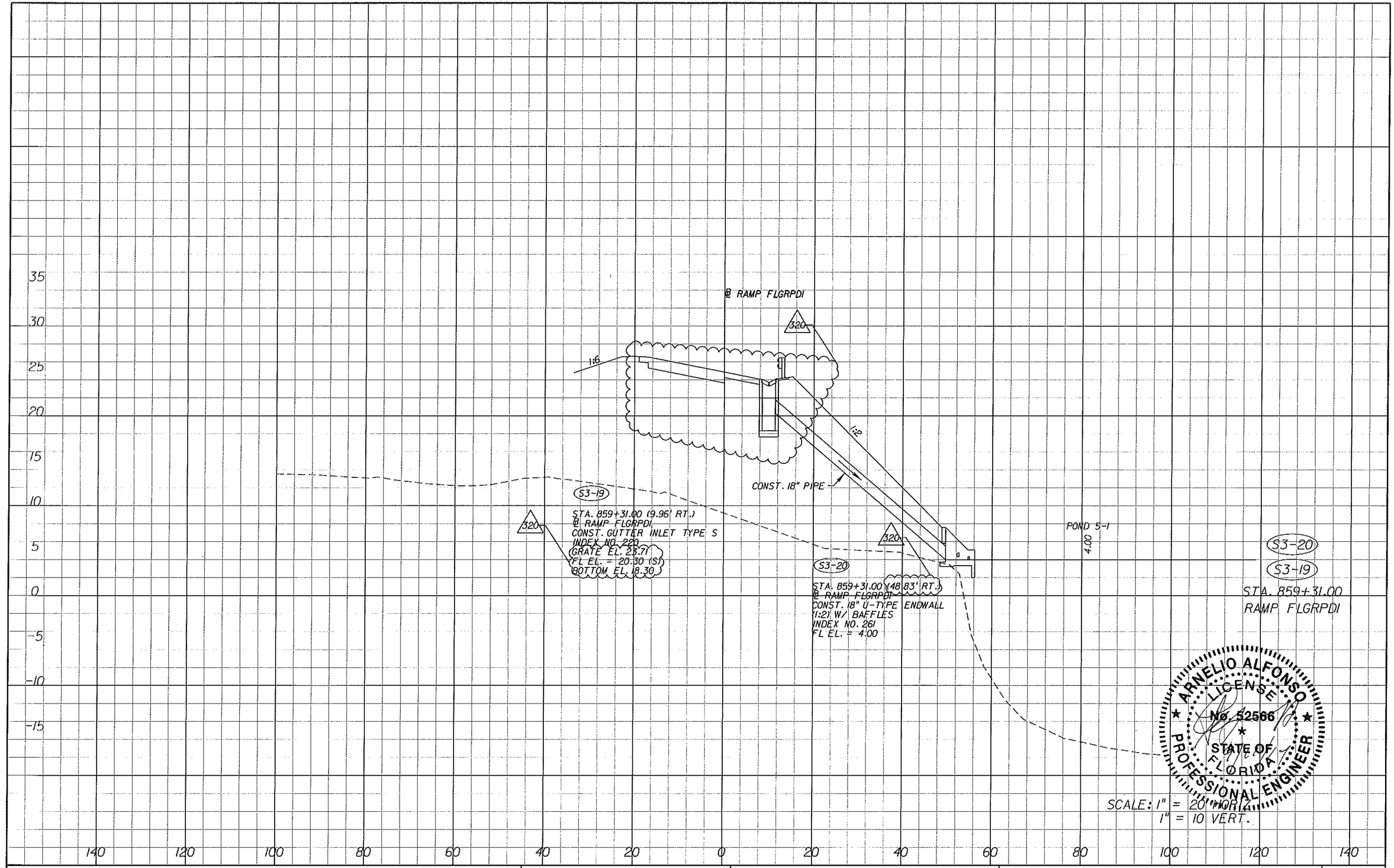
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES
RELEASED FOR CONSTRUCTION

SHEET NO. 3-55

aboran 9/11/2014 2:47:07 PM P:\249581\5201-Section 5\Segment 3\Drainage\DRX5RDDI.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20' HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
08/12/14	320 MODIFIED DRAINAGE DUE TO RAM S-F HAS BEEN CHANGED		

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

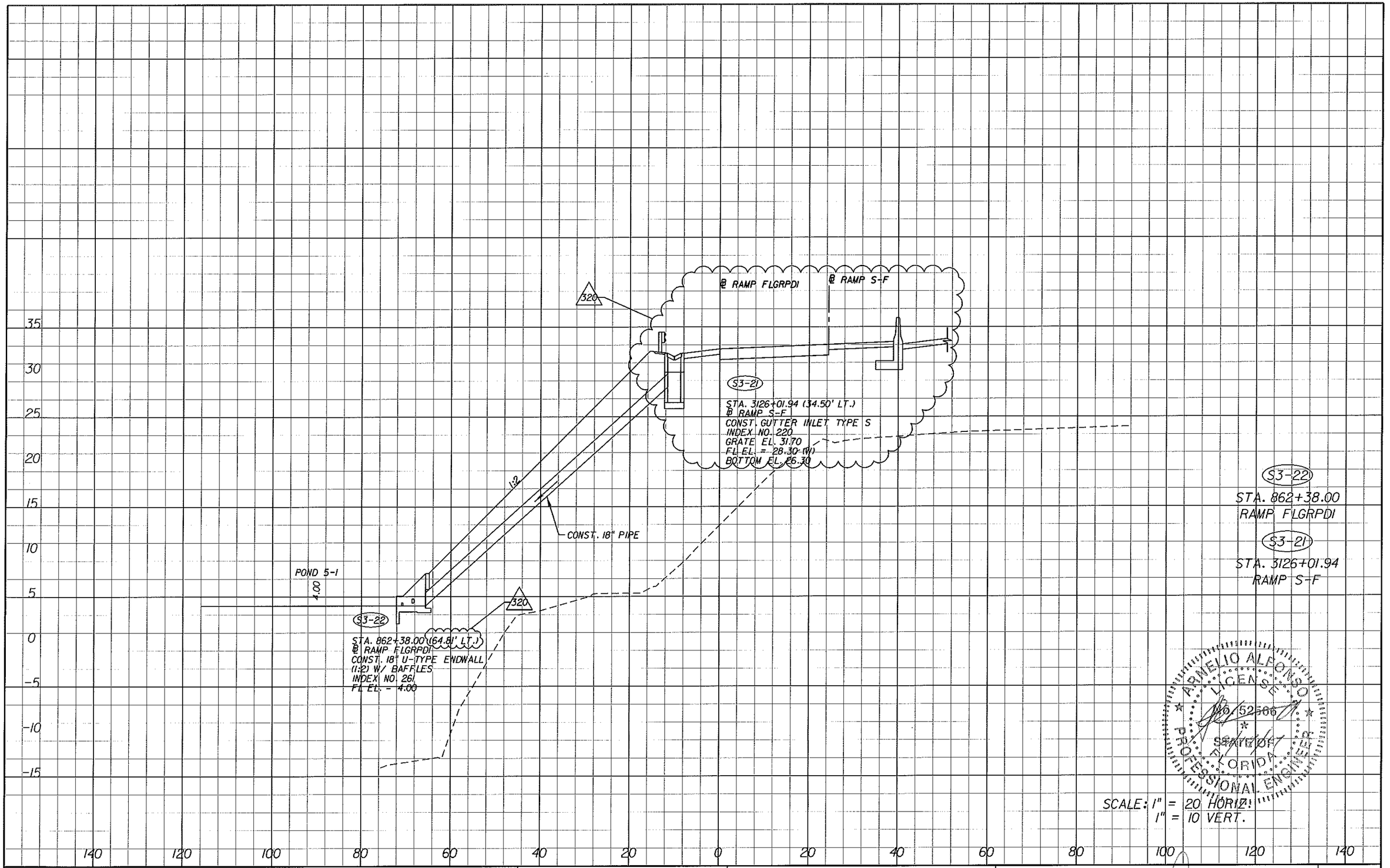
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES
RELEASED FOR CONSTRUCTION

SHEET NO. 3-56

abaron 9/11/2014 2:49:45 PM P:\249581\201-Section 5\Segment 3\Drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSED PROFESSIONAL ENGINEER No. 52566 STATE OF FLORIDA

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
08/12/14	320 MODIFIED DRAINAGE DUE TO RAM S-F HAS BEEN CHANGED		

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

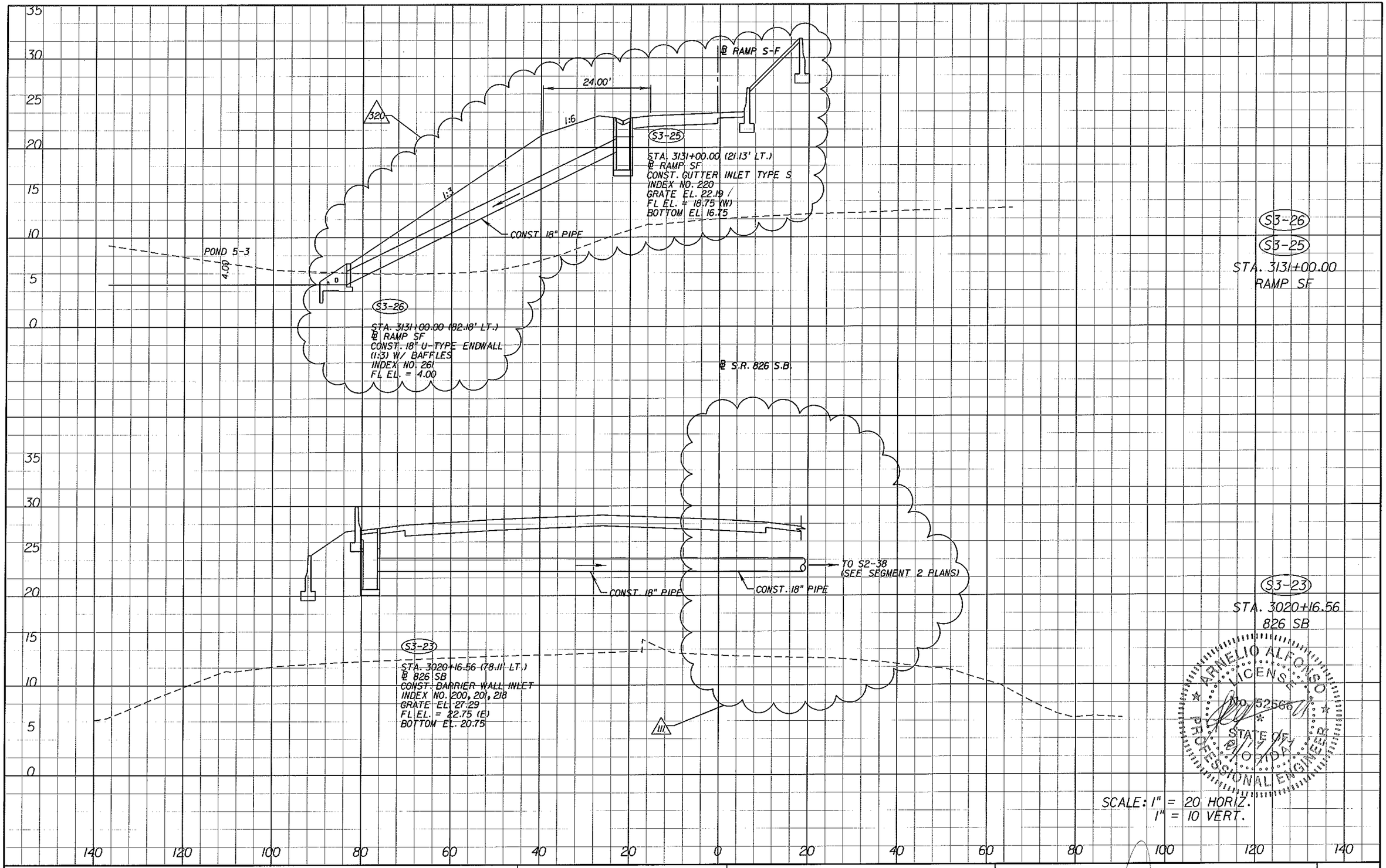
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

RELEASED FOR CONSTRUCTION

SHEET NO. 3-57

molfonso 8/14/2014 11:50:17 AM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSR001.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
12/11/12	III MODIFIED DRAINAGE DUE TO FUTURE MANAGED LANES		
08/12/14	320 MODIFIED DRAINAGE DUE TO RAMP S-F HAS BEEN CHANGED		

ENGINEER OF RECORD:

A&P ENGINEERS
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

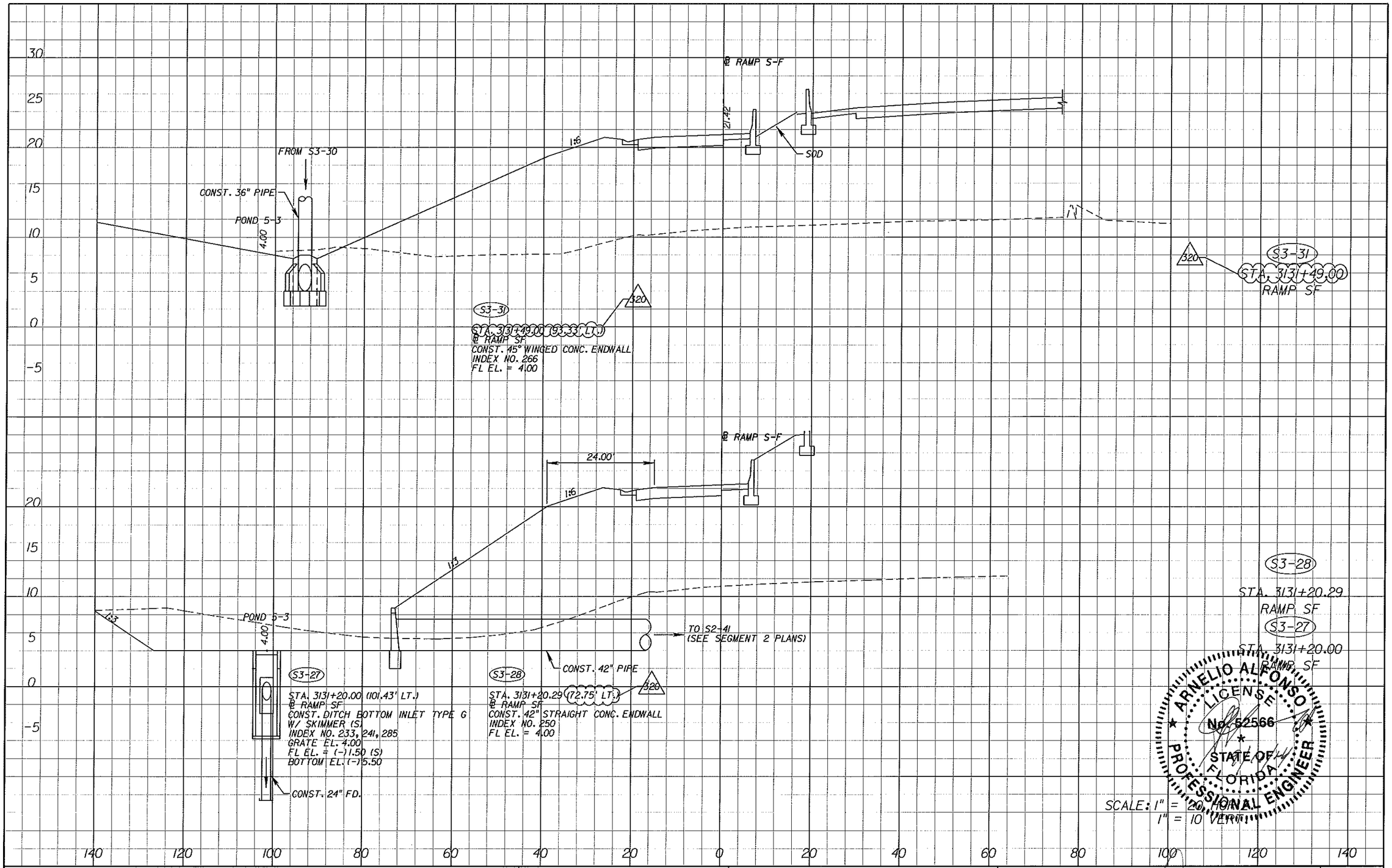
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

RELEASED FOR CONSTRUCTION

SHEET NO. 3-58

malfonso 8/14/2014 11:51:26 AM P:\249581\201-Section 5\Segment 3\Drainage\Managed Lane\DRXSRD01_nf.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
08/12/14	320 MODIFIED DRAINAGE DUE TO RAM S-F HAS BEEN CHANGED		

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
9305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

ENGINEERS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

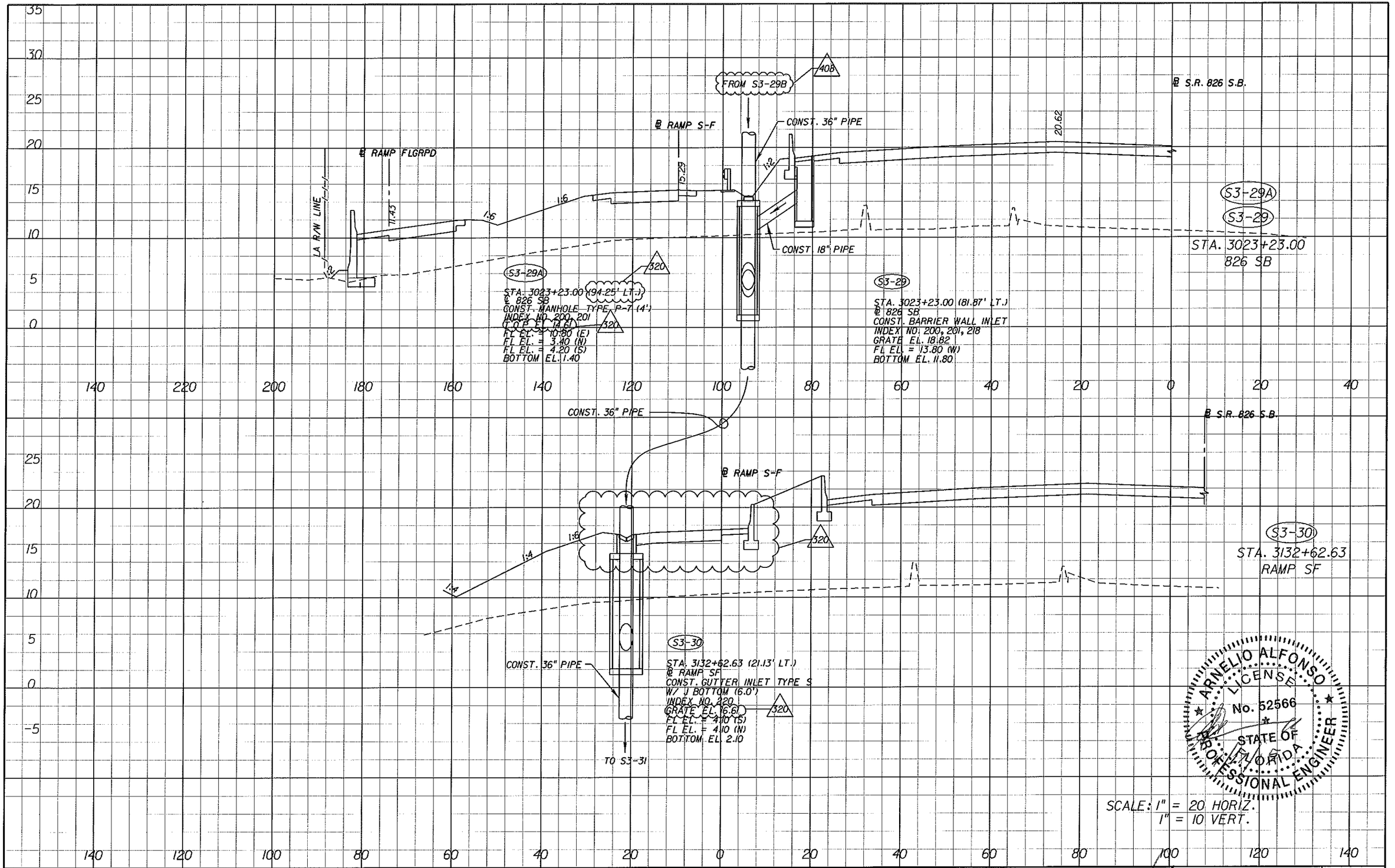
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

RELEASED FOR CONSTRUCTION

SHEET NO. 3-59

caduser01 9/11/2014 4:11:03 PM P:\249581152\01-SECTION 5\SEGMENT 3\DRAINAGE\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
08/12/14	320 MODIFIED DRAINAGE DUE TO RAM S-F HAS BEEN CHANGED		
04/24/15	408 ADJUSTED DRAINAGE DUE TO CONFLICT W/ DRILLED SHAFT OHS 3-2		

ENGINEER OF RECORD:

ICT ENGINEERS
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : ER-0007797
Arnelio Alfonso, P.E. No. 52566

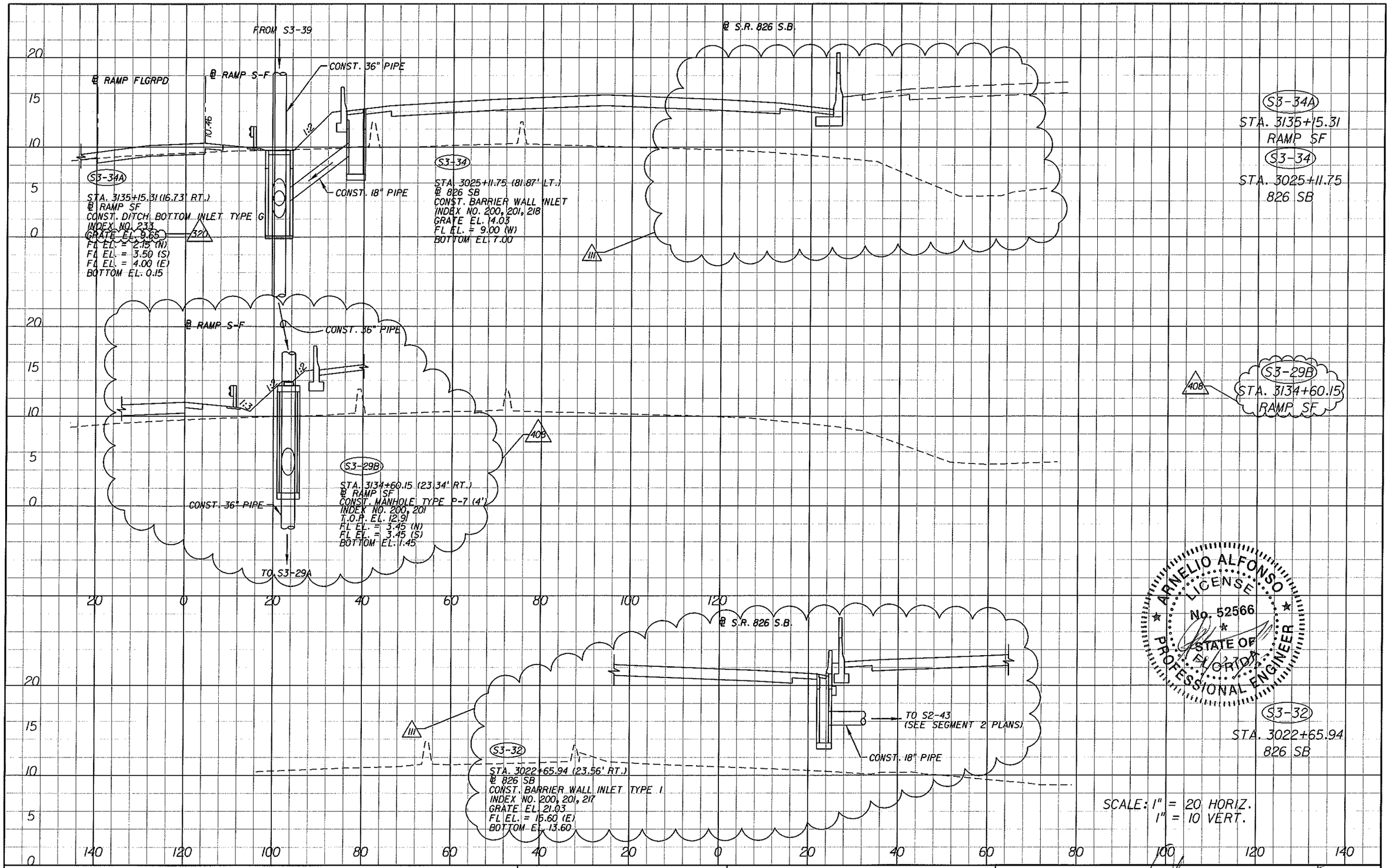
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-60

malfonso 4/24/2015 5:51:01 PM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
12/11/12	111 MODIFIED DRAINAGE DUE TO FUTURE MANAGED LANES	04/24/15	408 ADJUSTED DRAINAGE DUE TO CONFLICT W/ DRILLED SHAFT OHS 3-2
08/12/14	320 MODIFIED DRAINAGE DUE TO RAMP S-F HAS BEEN CHANGED		

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

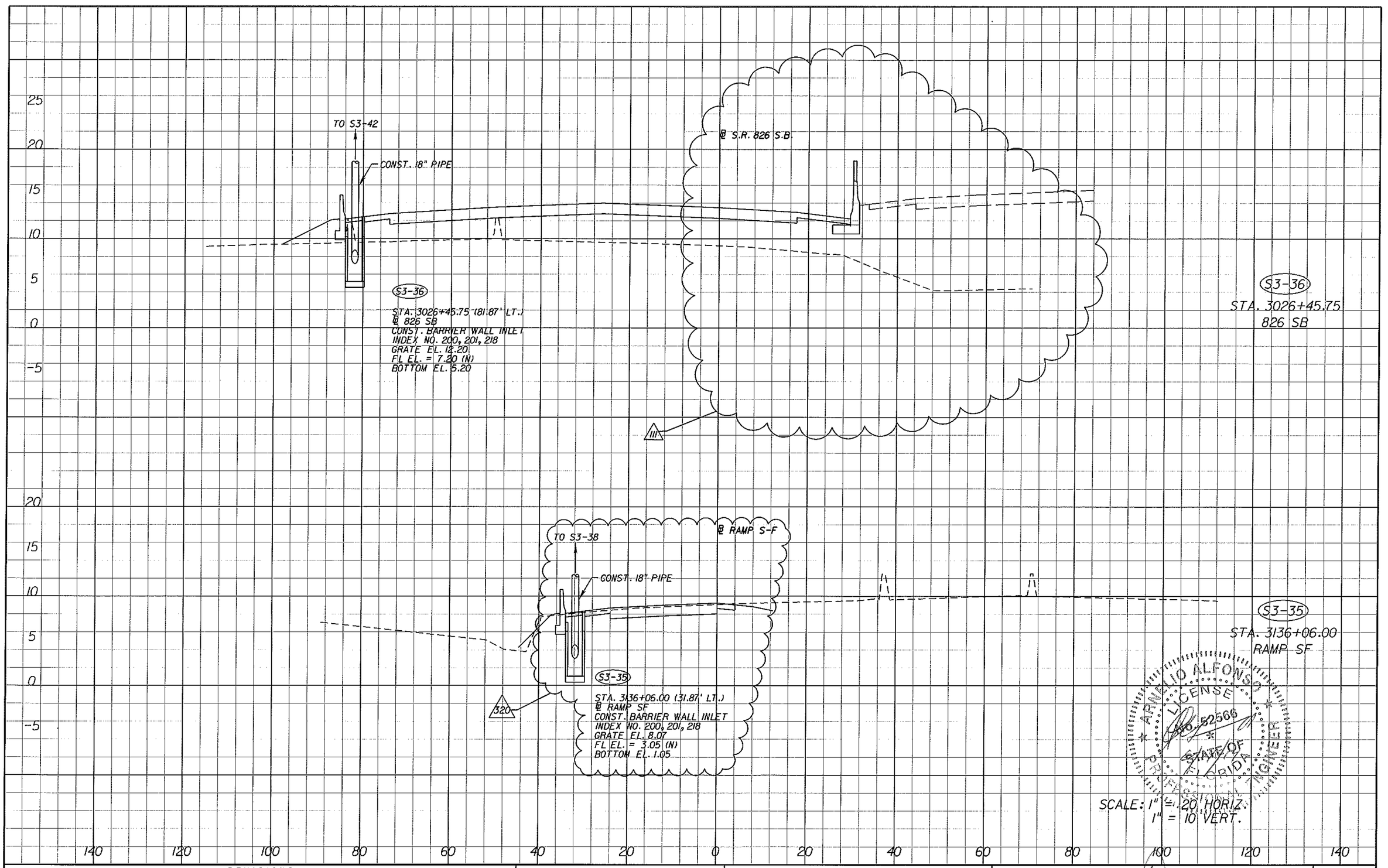
ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-61

malfonso 4/27/2015 11:34:08 AM P:\249581\5201-Section 5\Segment 3\Drainage\Managed Lane\DRXSRD01_ml.DGN



SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

ARNELIO ALFONSO LICENSE NO. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
12/11/12	III MODIFIED DRAINAGE DUE TO FUTURE MANAGED LANES		
08/12/14	320 MODIFIED DRAINAGE DUE TO RAMP S-F HAS BEEN CHANGED		

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
KIOS N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-1283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

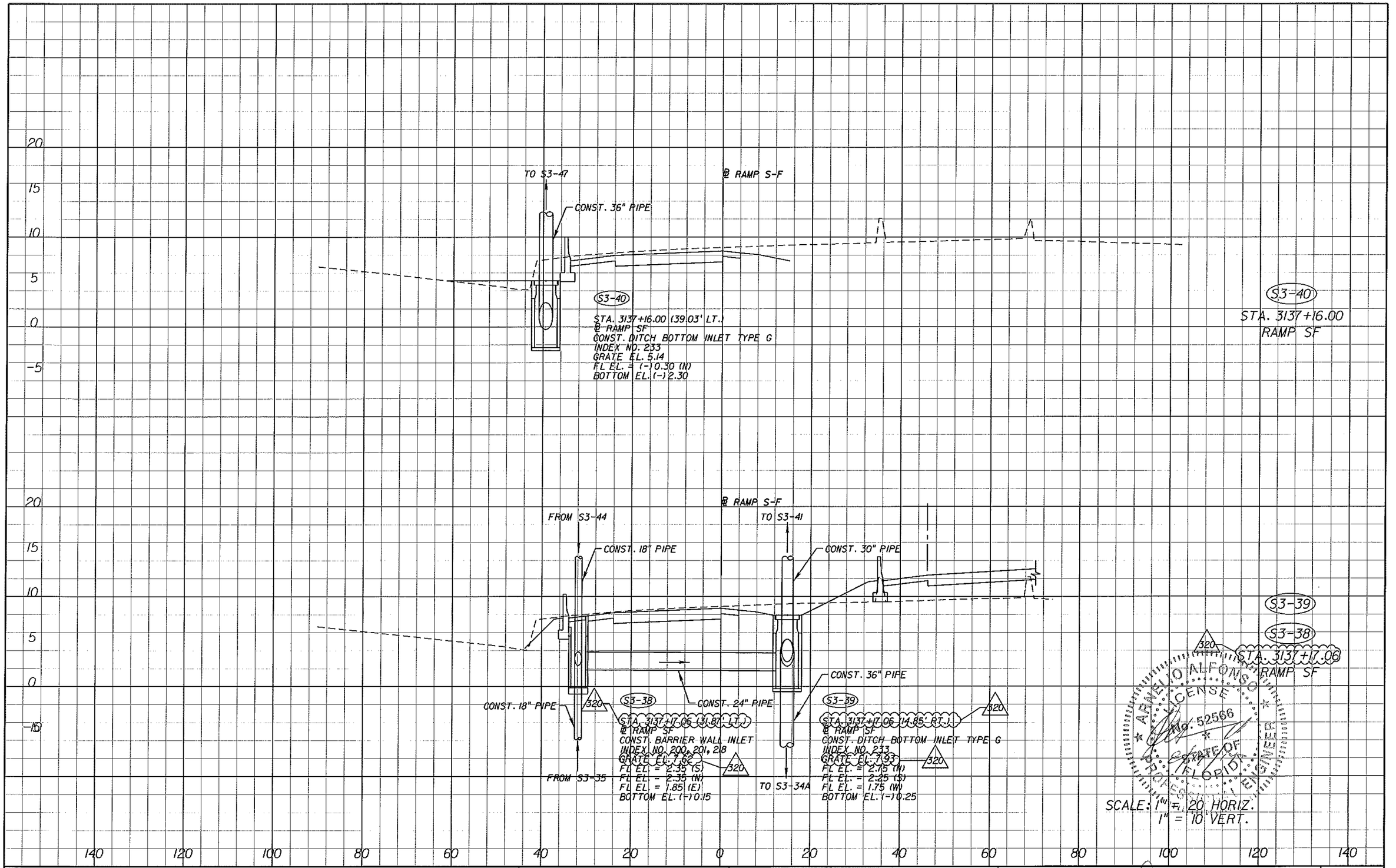
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

RELEASED FOR CONSTRUCTION

SHEET NO. 3-62

malfonso 8/14/2014 12:35:47 PM P:\249581\5201-Section 5\Segment 3 Drainage Managed Lane\DRXSRD01_ml.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
08/12/14	320 MODIFIED DRAINAGE DUE TO RAM S-F HAS BEEN CHANGED		

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	24958I-1-52-01

DRAINAGE STRUCTURES

RELEASED FOR CONSTRUCTION

SHEET NO. 3-63

malfonso 8/14/2014 12:36:35 PM P:\24958I\501-Section 5\Segment 3\Drainage\DRXSRD01.DGN

@ RAMP S-F

S3-44

STA. 3137+95.00 (31.87' LT.)
@ RAMP SF
CONST. BARRIER WALL INLET
INDEX NO. 200, 201, 218
GRATE EL. 7.88
FL EL. = 2.70 (S)
BOTTOM EL. 0.70

320

CONST. 18" PIPE

TO S3-38

S3-44
STA. 3137+95.00
RAMP SF

@ RAMP W-S

@ S.R. 826 S.B

@ RAMP S-F

TO S2-53
(SEE SEGMENT 2 PLANS)

CONST. 30" PIPE

CONST. 30" PIPE

CONST. 30" PIPE

CONST. 18" PIPE

CONST. 30" PIPE

FROM S3-36

FROM S3-39

S3-43
STA. 3027+65.46
826 SB

S3-42
STA. 3627+65.23
RAMP WS

S3-41
STA. 3137+67.96
RAMP SF

S3-41

STA. 3137+67.96 (115.36' RT.)
@ RAMP SF
CONST. DITCH BOTTOM INLET TYPE G
INDEX NO. 233
GRATE EL. 7.81
FL EL. = 2.65 (S)
FL EL. = 2.65 (E)
BOTTOM EL. 0.66

S3-42

STA. 3627+65.23 (7.87' LT.)
@ RAMP WS
CONST BARRIER WALL INLET
INDEX NO. 200, 201, 218
GRATE EL. 11.66
FL EL. = 2.55 (W)
FL EL. = 4.50 (E)
FL EL. = 6.60 (S)
BOTTOM EL. 0.55

S3-43

STA. 3027+65.46 (30.78' RT.)
@ 826 SB
CONST. BARRIER WALL INLET TYPE 2
INDEX NO. 200, 201, 217
GRATE EL. 11.62
FL EL. = 4.40 (W)
FL EL. = 4.40 (E)
BOTTOM EL. 2.40

III

ARNELIO ALFONSO
LICENSE
NO. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20' HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
12/11/12	III MODIFIED DRAINAGE DUE TO FUTURE MANAGED LANES		
08/12/14	320 MODIFIED DRAINAGE DUE TO RAMP S-F HAS BEEN CHANGED		

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 ; fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

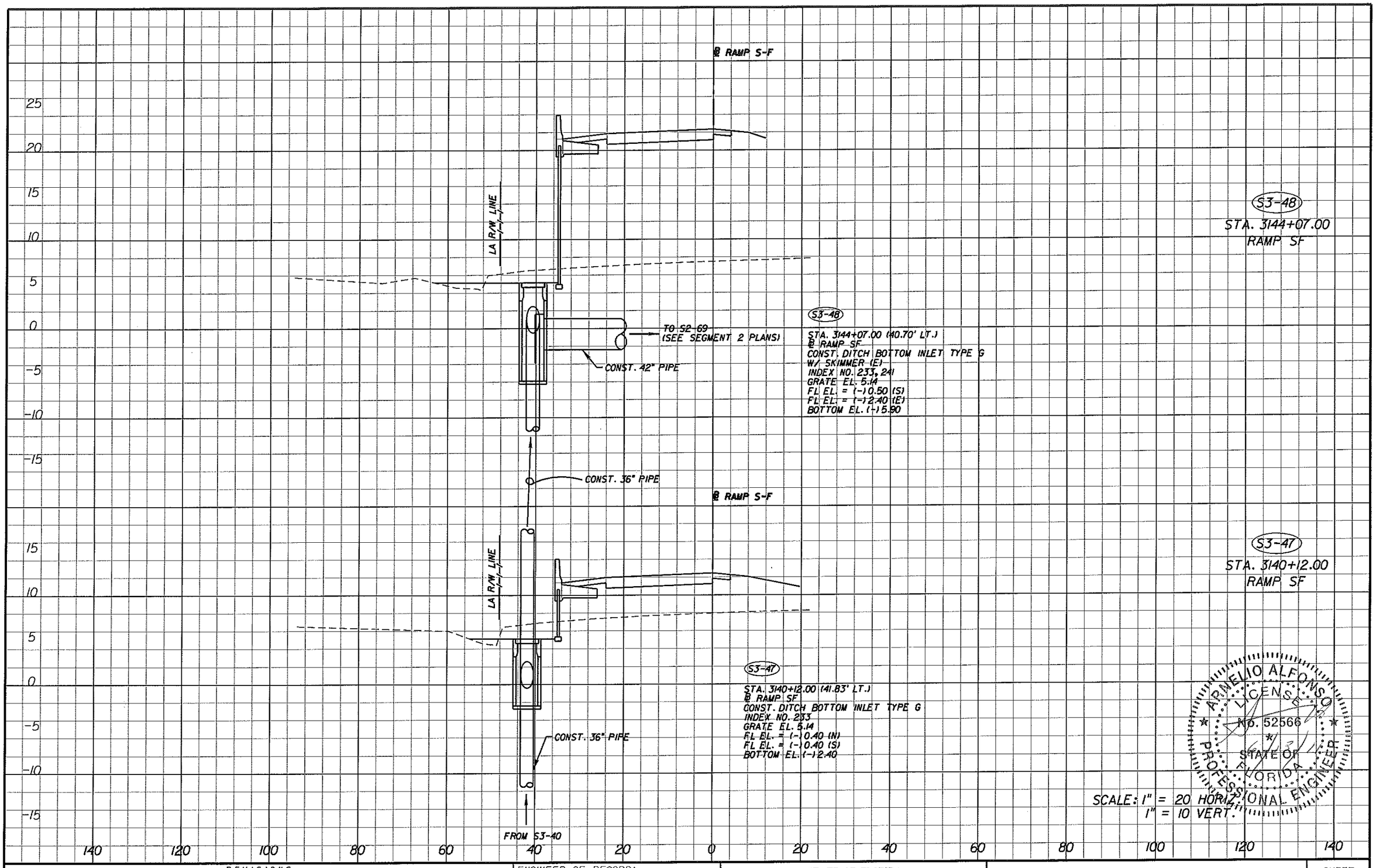
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

RELEASED FOR CONSTRUCTION

SHEET NO. 3-64

malfonso 8/14/2014 12:39:07 PM P:\249581\5201\Section 5\Segment 3\Drainage\Managed Lanes\DRXSRD01_ml.DGN



S3-48

STA. 3144+07.00
RAMP SF

S3-48

STA. 3144+07.00 (40.70' LT.)
℄ RAMP SF
CONST. DITCH BOTTOM INLET TYPE G
W/ SKIMMER (E)
INDEX NO. 233, 241
GRATE EL. 5.14
FL EL. = (-)0.50 (S)
FL EL. = (-)2.40 (E)
BOTTOM EL. (-)5.90

S3-47

STA. 3140+12.00
RAMP SF

S3-47

STA. 3140+12.00 (41.83' LT.)
℄ RAMP SF
CONST. DITCH BOTTOM INLET TYPE G
INDEX NO. 233
GRATE EL. 5.14
FL EL. = (-)0.40 (N)
FL EL. = (-)0.40 (S)
BOTTOM EL. (-)2.40

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
8305 N.W. 27 Street, suite 115
Miami, FL 33122
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007791
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

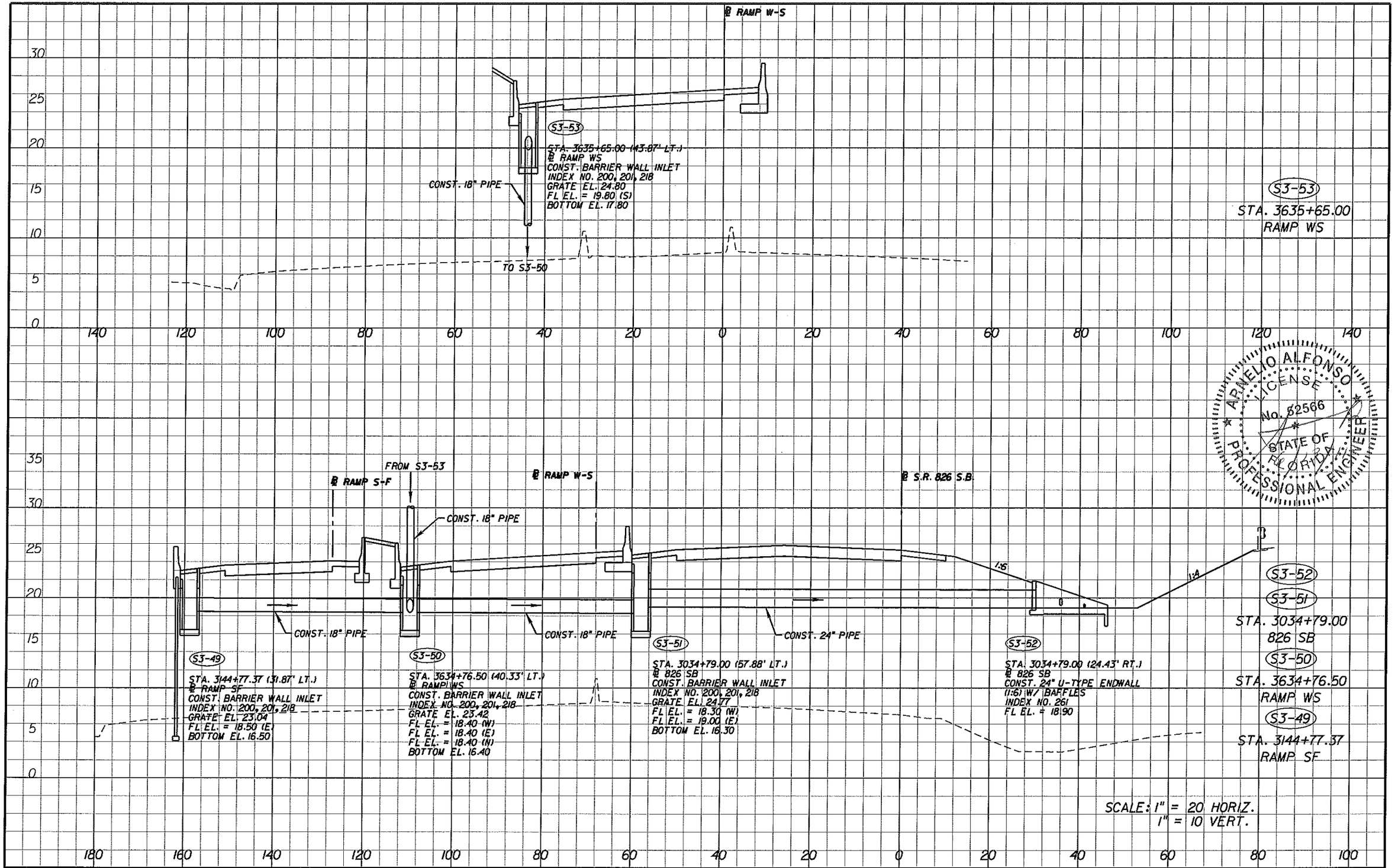
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-66

nsanchez 6/13/2011 1:58:14 PM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

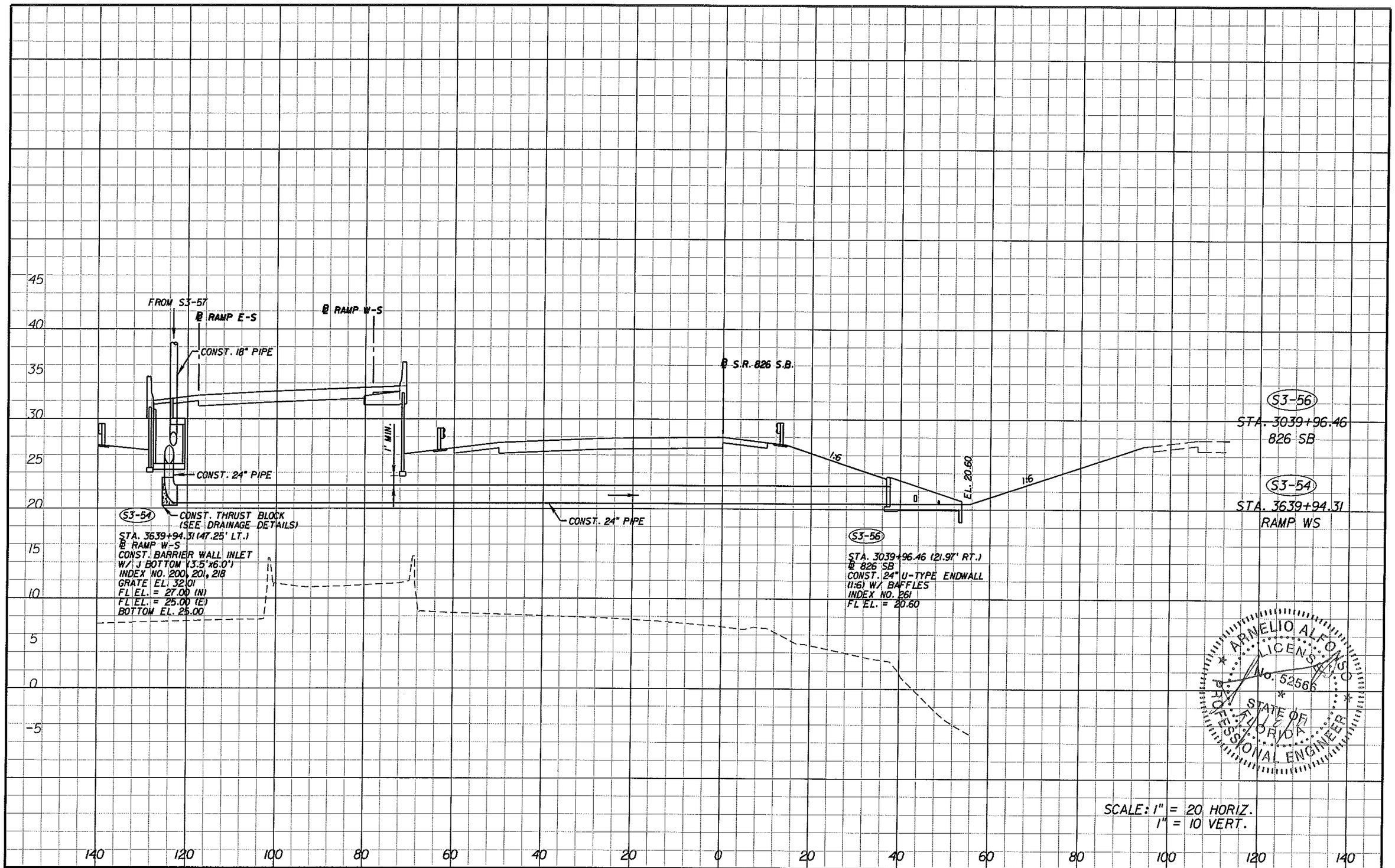
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

NOT PART OF CONSTRUCTION
DRAINAGE STRUCTURES

SHEET NO. 3-67

nsanchez 6/13/2011 1:59:36 PM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 593-1285 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

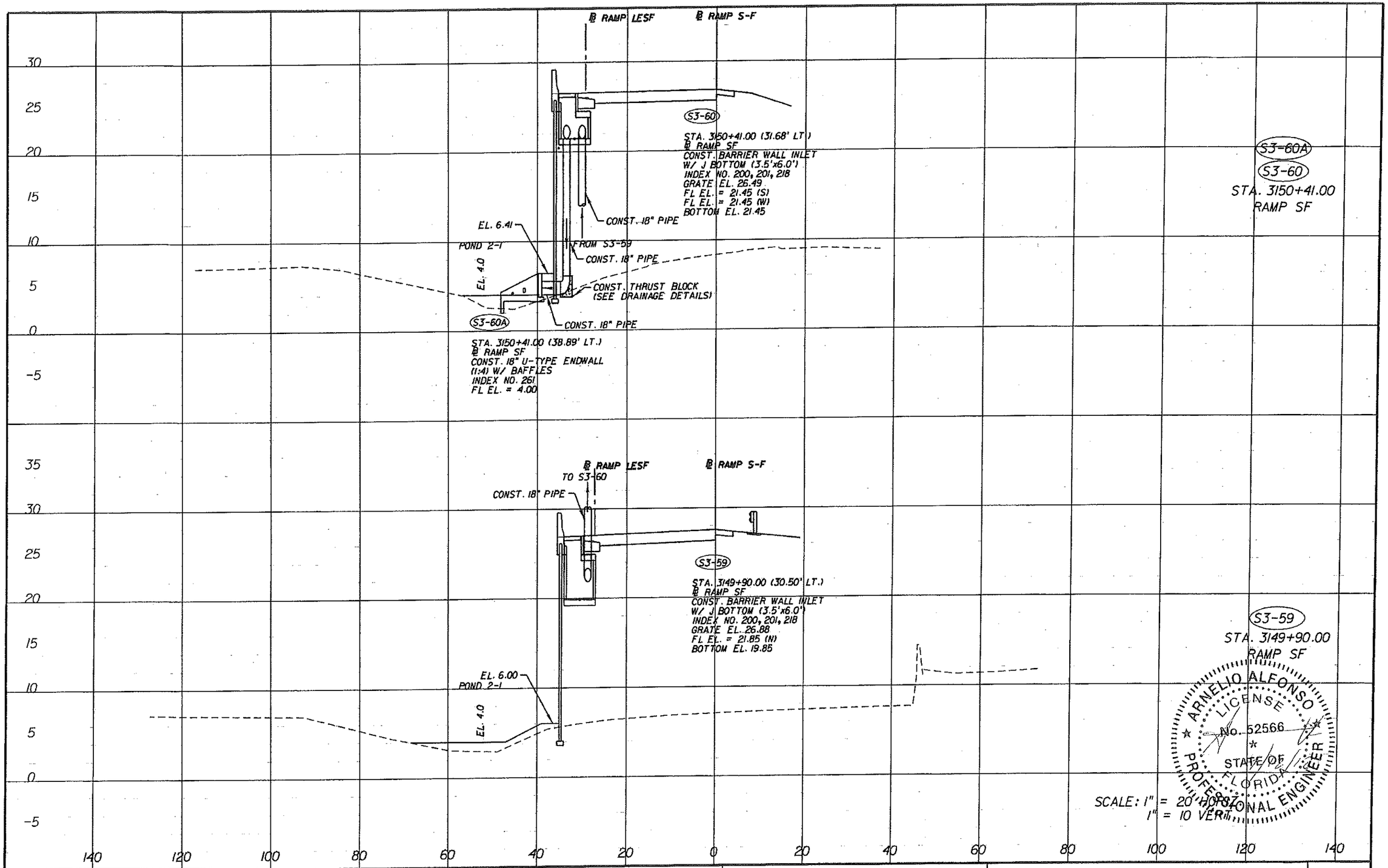
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RECORD DRAWING

DRAINAGE STRUCTURES

SHEET NO. 3-68

malfonso 7/12/2011 3:17:06 PM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSR001.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0002797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

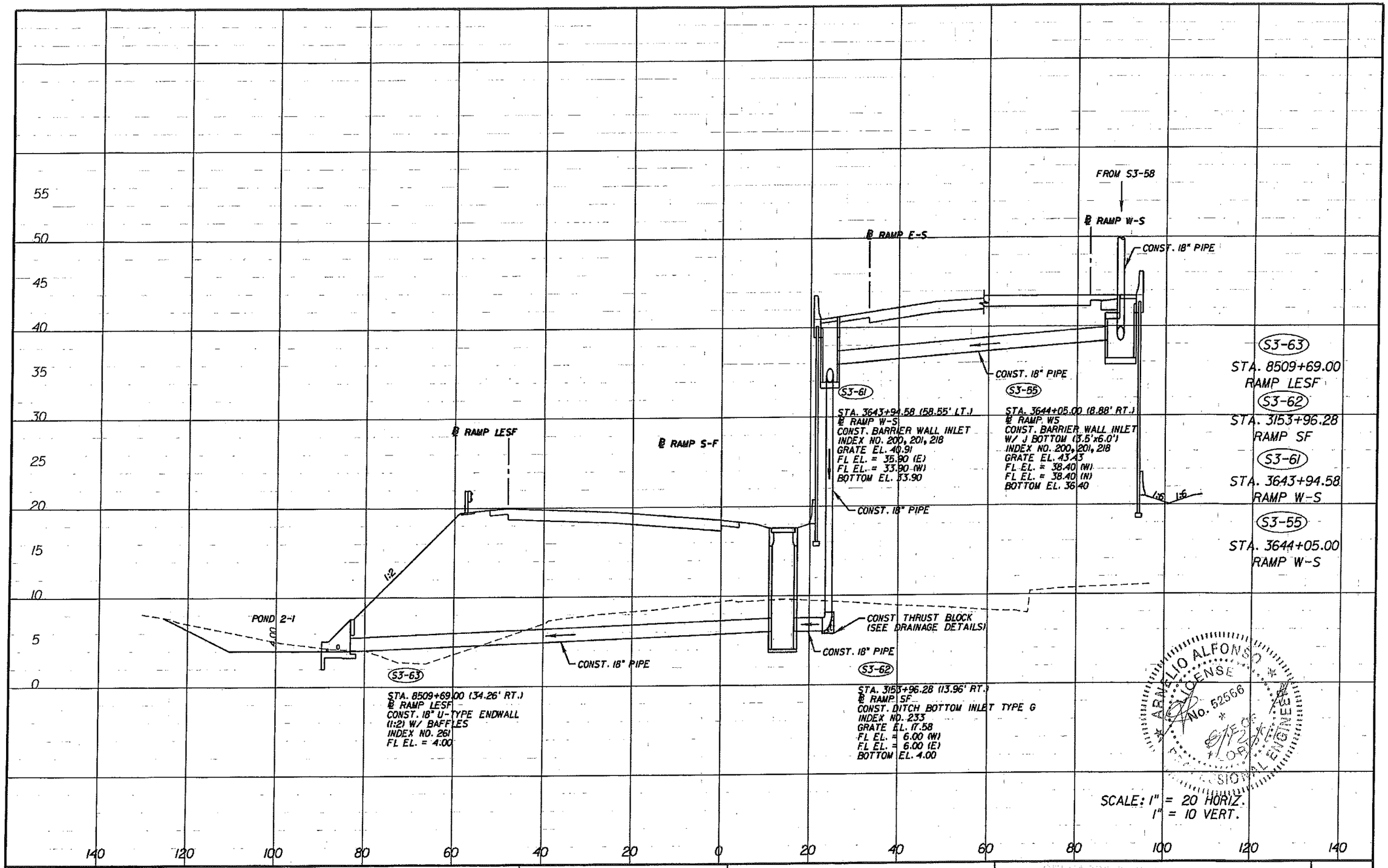
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-69

malfonso 4/10/2012 1:09:33 PM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSR001.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007791
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

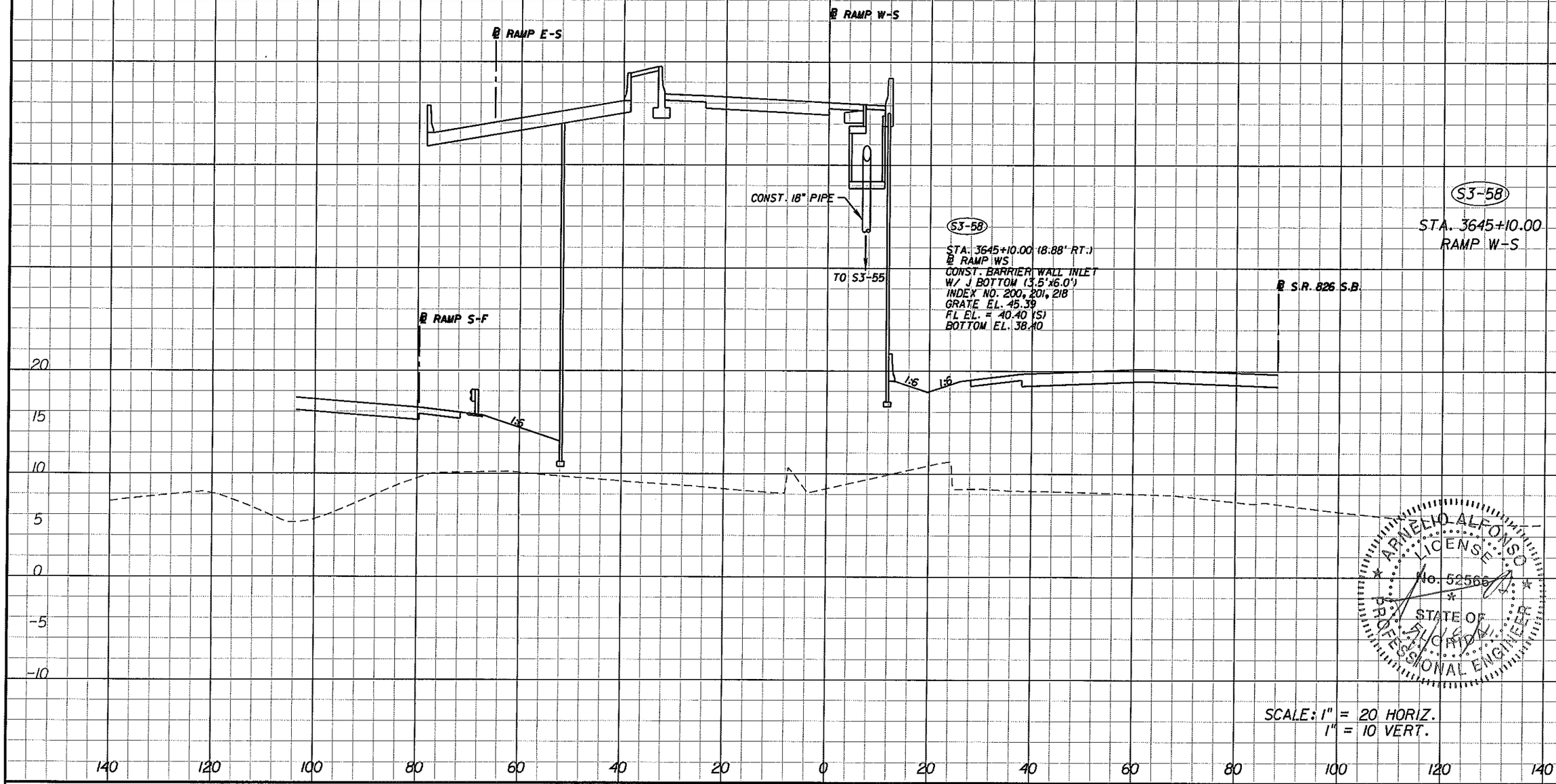
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

NOT FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-70

lferrero 8/12/2011 2:28:38 PM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSRD01.DGN



SJ-58

STA. 3645+10.00 (8.88' RT.)
℄ RAMP WS
CONST. BARRIER WALL INLET
W/ J BOTTOM (3.5'x6.0')
INDEX NO. 200, 201, 218
GRATE EL. 45.39
FL EL. = 40.40 (S)
BOTTOM EL. 38.40

SJ-58

STA. 3645+10.00
RAMP W-S

℄ S.R. 826 S.B.

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

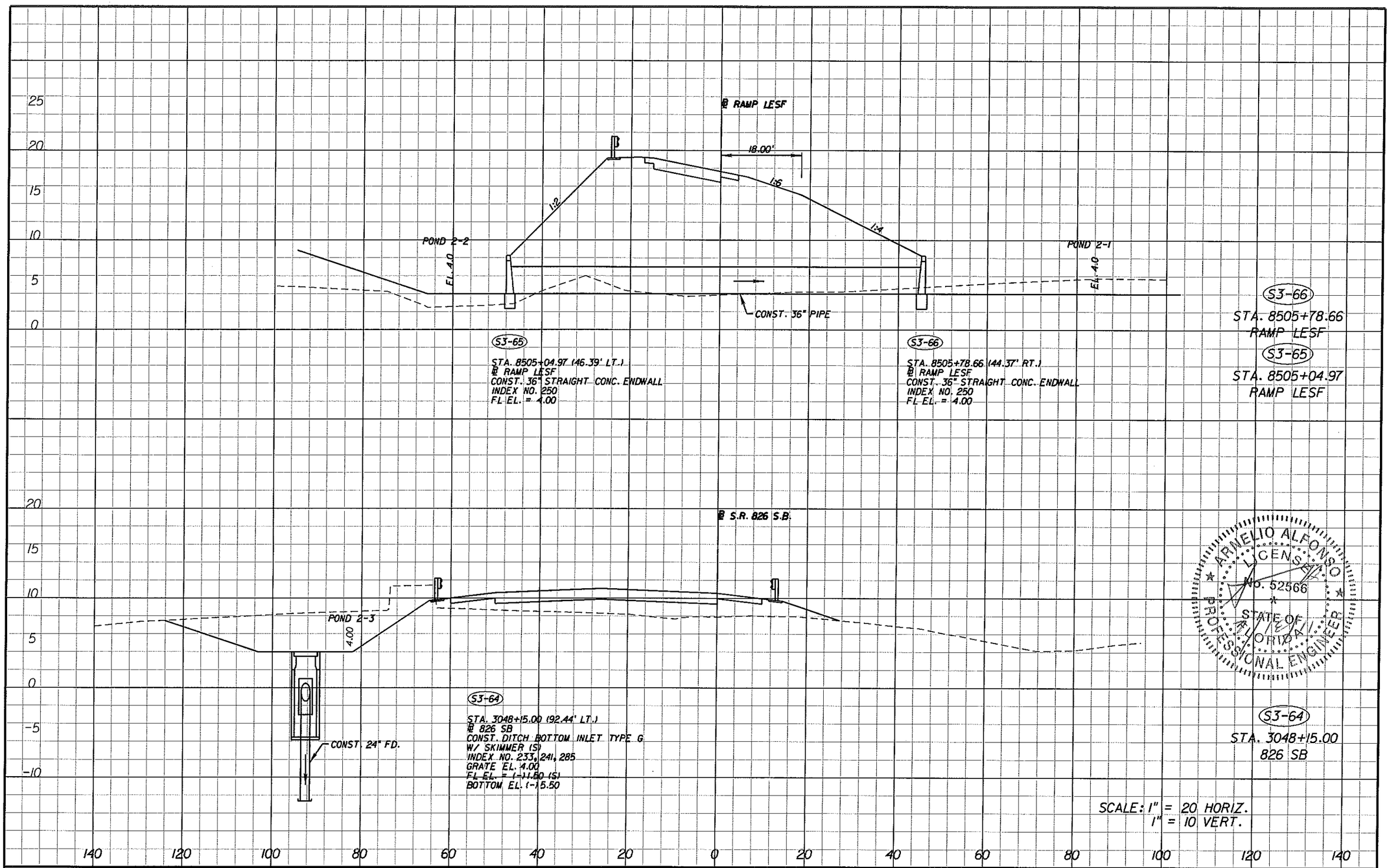
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-71

malfonso 7/12/2011 3:19:05 PM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSRD01.DGN



(S3-65)

STA. 8505+04.97 (46.39' LT.)
@ RAMP LESF
CONST. 36" STRAIGHT CONC. ENDWALL
INDEX NO. 250
FL EL. = 4.00

(S3-66)

STA. 8505+78.66 (44.37' RT.)
@ RAMP LESF
CONST. 36" STRAIGHT CONC. ENDWALL
INDEX NO. 250
FL EL. = 4.00

(S3-64)

STA. 3048+15.00 (92.44' LT.)
@ 826 SB
CONST. DITCH BOTTOM INLET TYPE G
W/ SKIMMER (S)
INDEX NO. 233, 241, 285
GRATE EL. 4.00
FL EL. = (-)11.50 (S)
BOTTOM EL. (-)15.50

(S3-66)
STA. 8505+78.66
RAMP LESF

(S3-65)
STA. 8505+04.97
RAMP LESF

(S3-64)
STA. 3048+15.00
826 SB

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

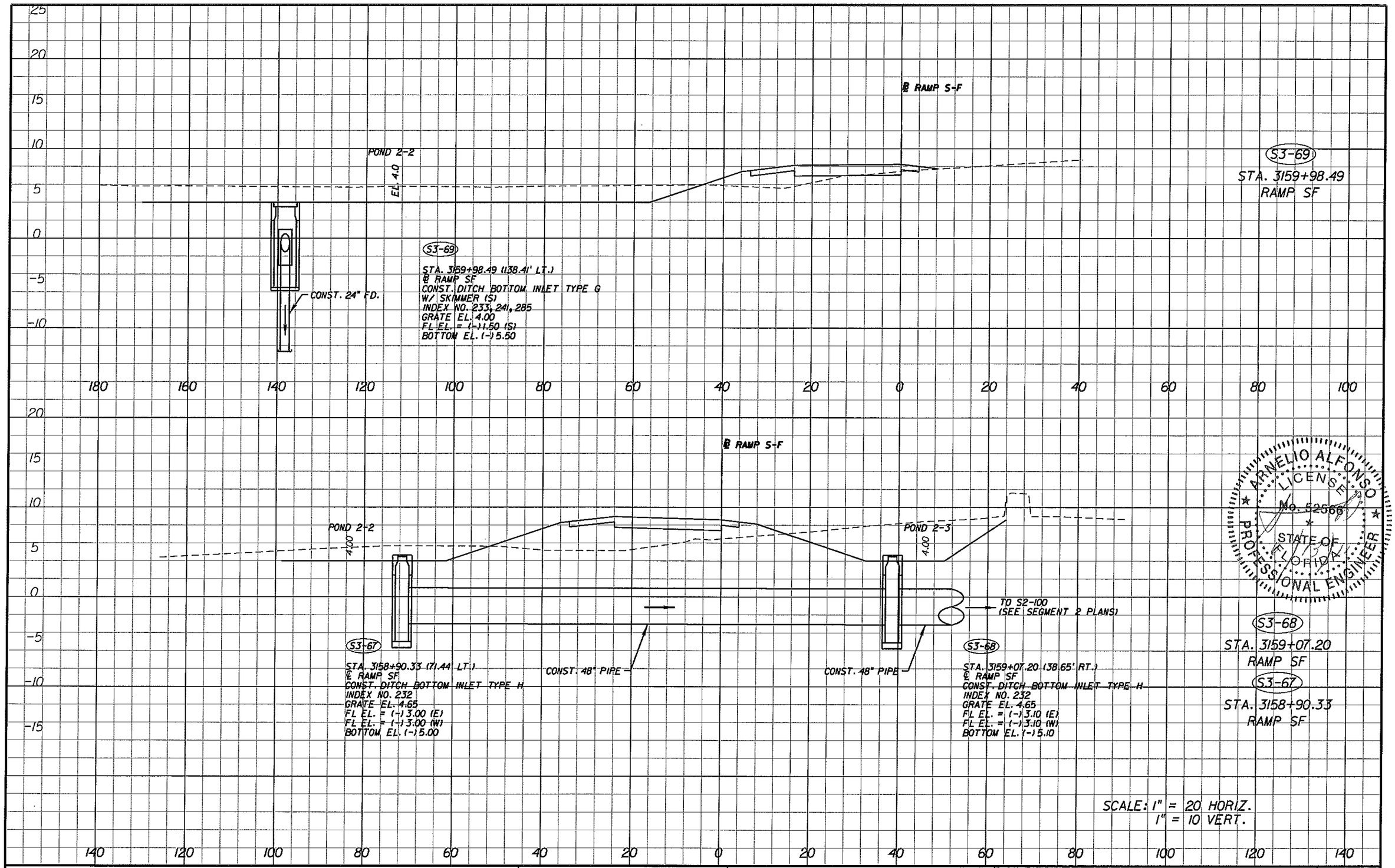
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-72

malfonso 7/12/2011 11:58:17 AM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

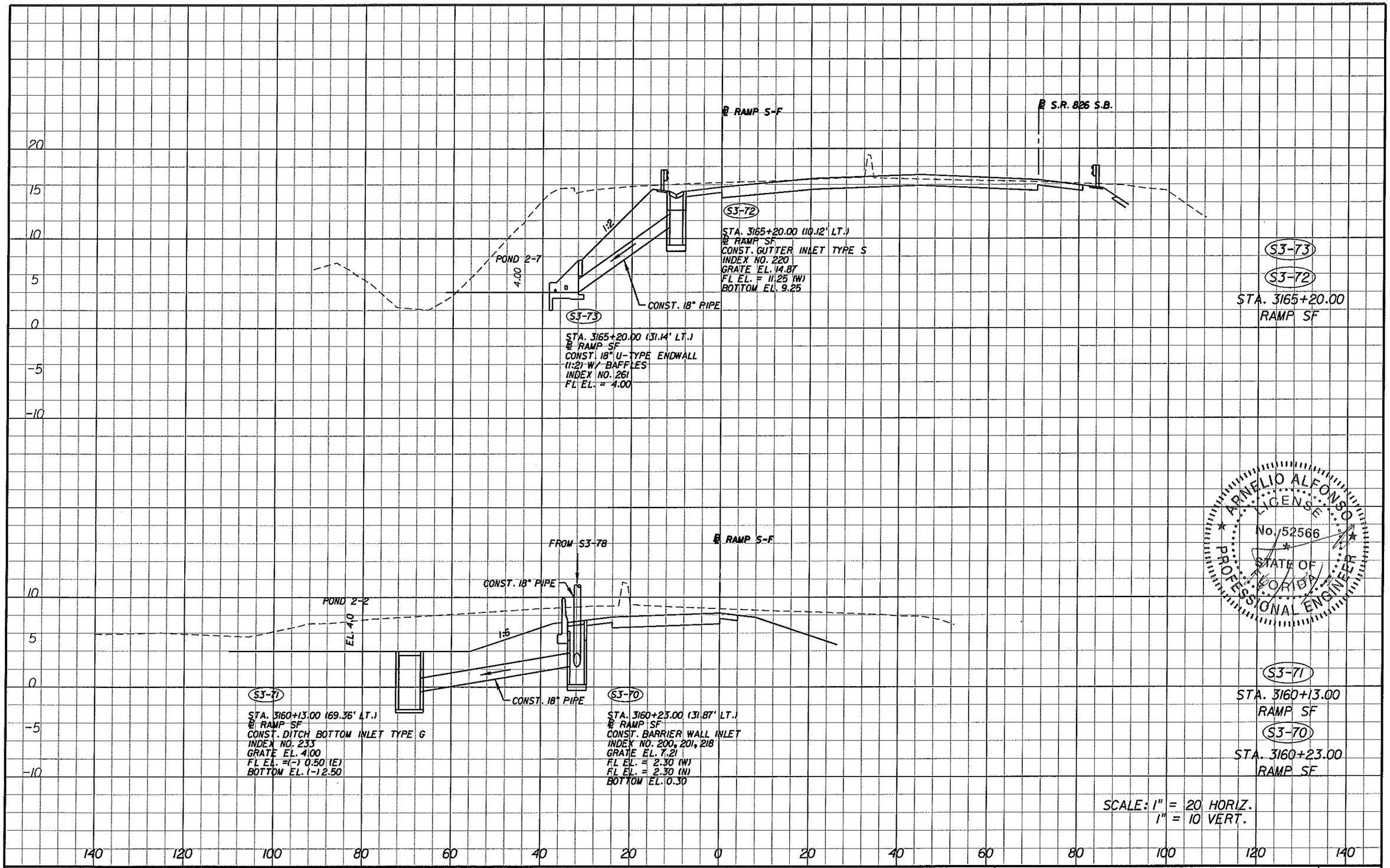
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-73

nsanchez 6/13/2011 2:06:35 PM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007317
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

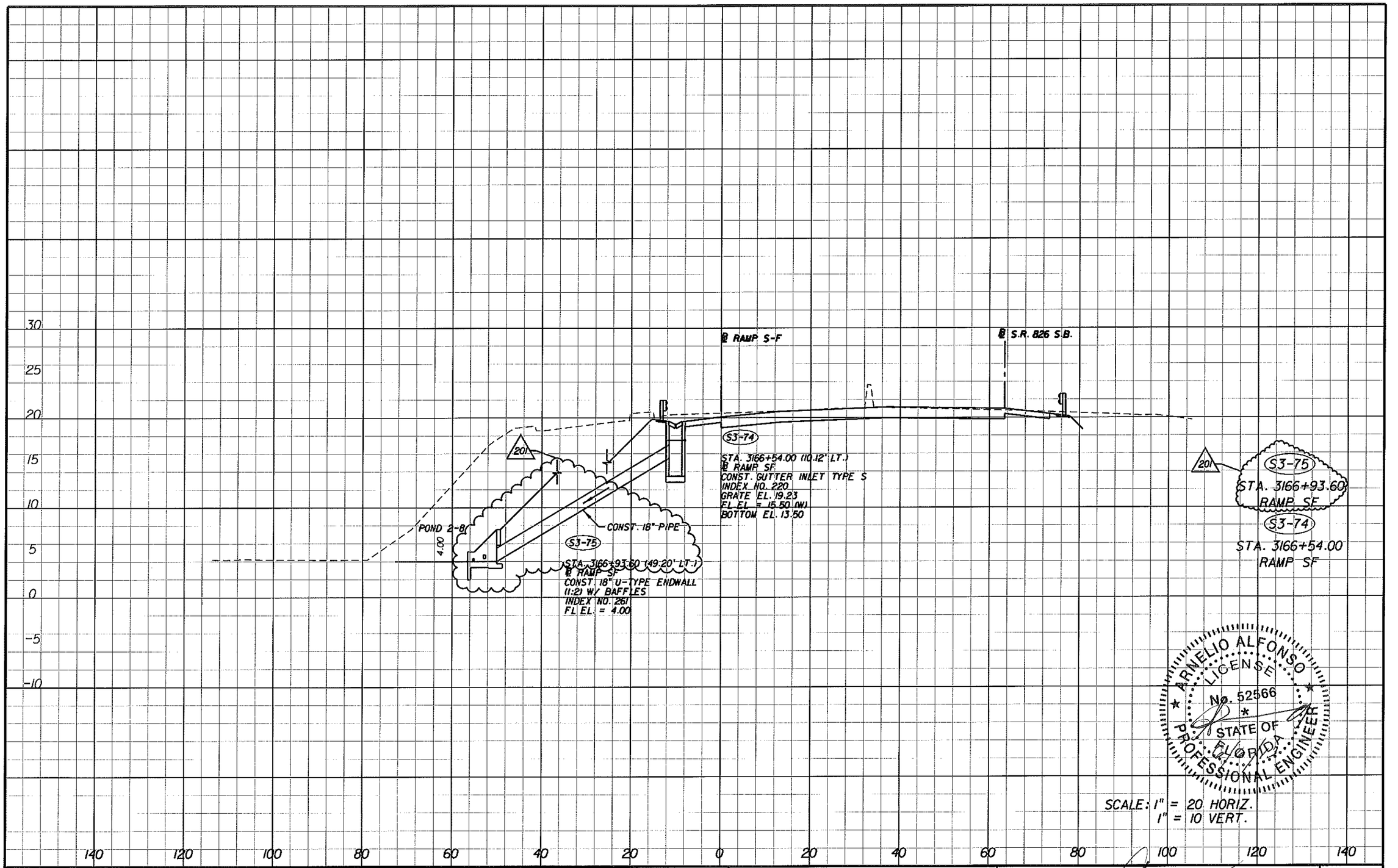
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-74

nsanchez 6/13/2011 2:07:47 PM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
06/04/13	201 STATION AT S3-75 HAS BEEN CHANGED DUE TO BOTTOM WALLS W24 HAS BEEN REVISED		

ENGINEER OF RECORD:

ENGINEERS
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0001759
Arnelio Alfonso, P.E. No. 52566

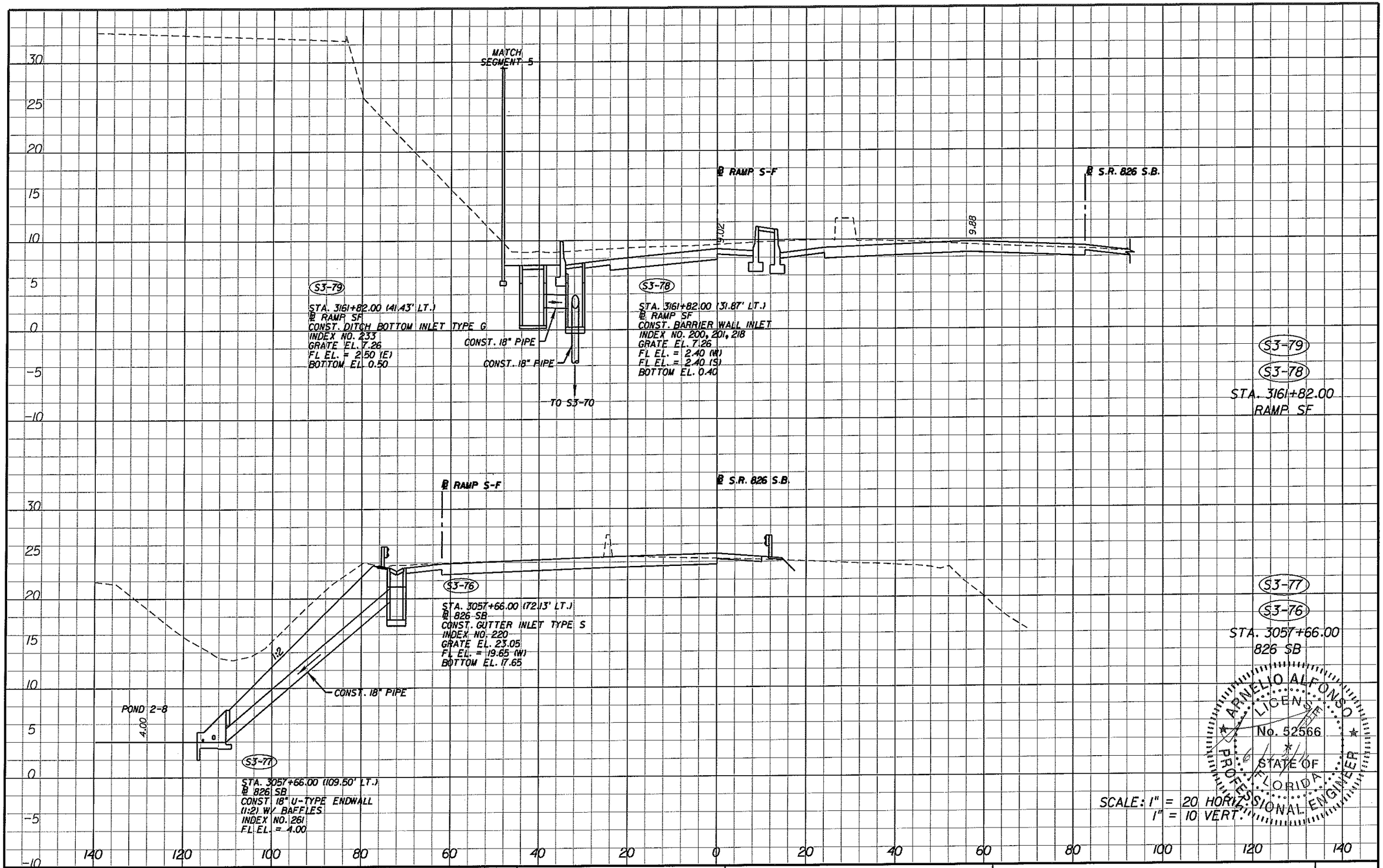
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-75



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7581 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

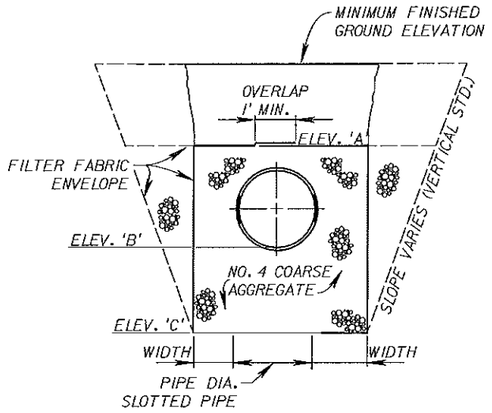
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 3-76

nsanchez 6/13/2011 2:40:19 PM P:\249581\5201-Section 5\Segment 3\Drainage\DRXSRD01.DGN

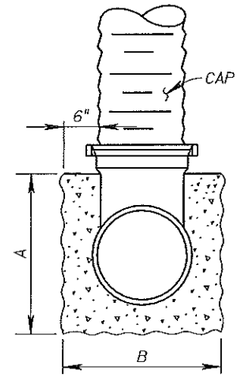


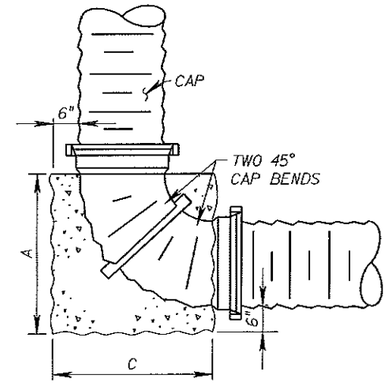
ROUND PIPE SHOWN

STANDARD FRENCH DRAIN CROSS SECTION (ENLARGED)
N.T.S.

FRENCH DRAIN SECTION SUMMARY TABLE

FRENCH DRAIN SECTION	PIPE DIA.	ELEV. 'A'	ELEV. 'B'	ELEV. 'C'	WIDTH
S10-23 TO S3-8	36"	3.50	(-)12.50	(-)11.00	1.00'
S3-27	24"	3.50	(-)11.50	(-)11.00	1.00'
S3-69	24"	3.50	(-)11.50	(-)11.00	1.00'
S3-64	24"	3.50	(-)11.50	(-)11.00	1.00'





NOTE:
THRUST BLOCK IS TO BE CONSTRUCTED OF CLASS I CONCRETE. COST OF THRUST BLOCK AND CAP BENDS IS TO BE INCLUDED IN UNIT PRICE OF PIPE.

THRUST BLOCK DETAIL
N.T.S.

CONC. THRUST BLOCK SUMMARY TABLE

PIPE DIA.	A	B	C
18"	3'-0"	2'-6"	3'-0"
24"	4'-0"	3'-0"	4'-0"

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

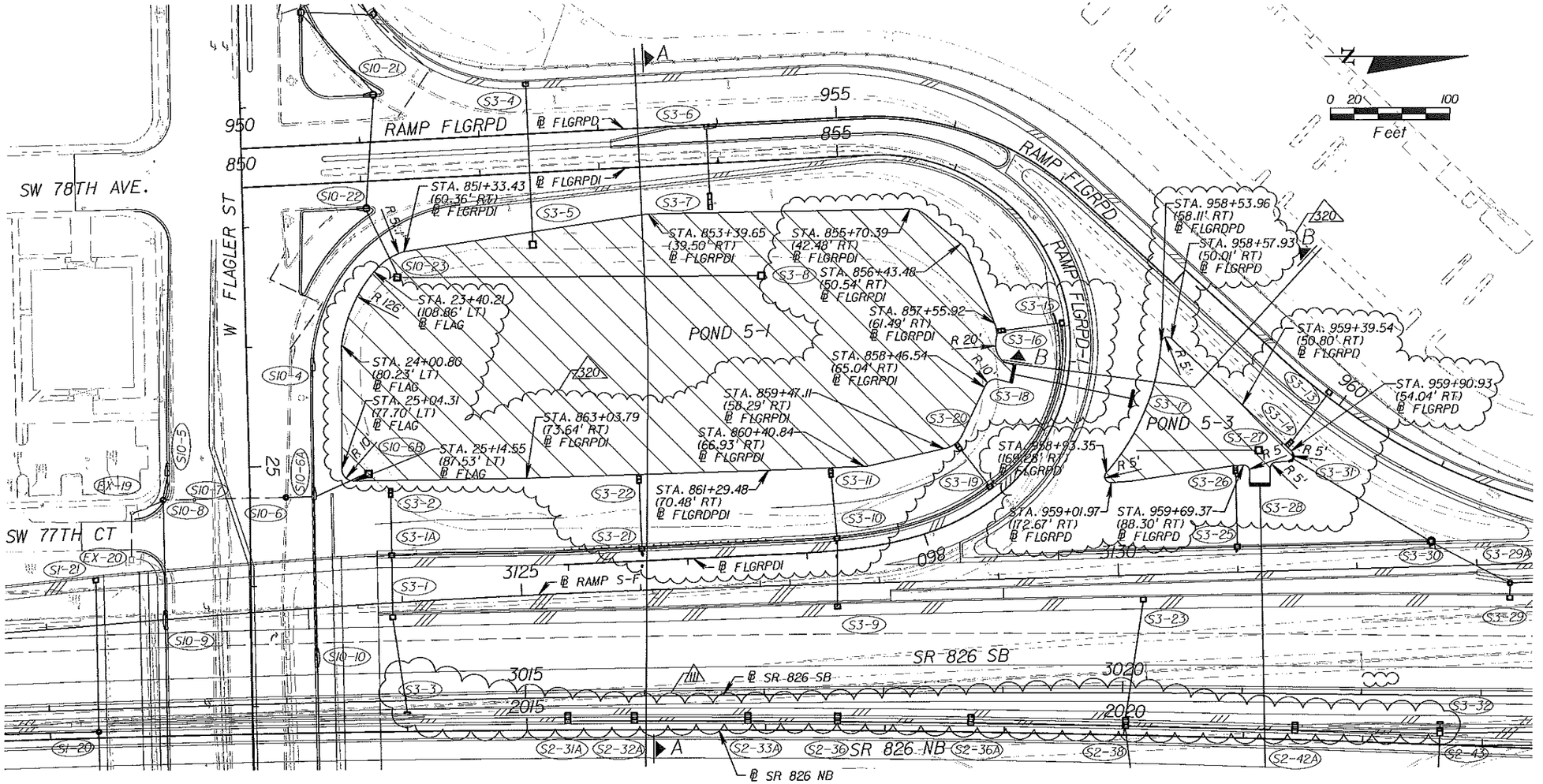
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

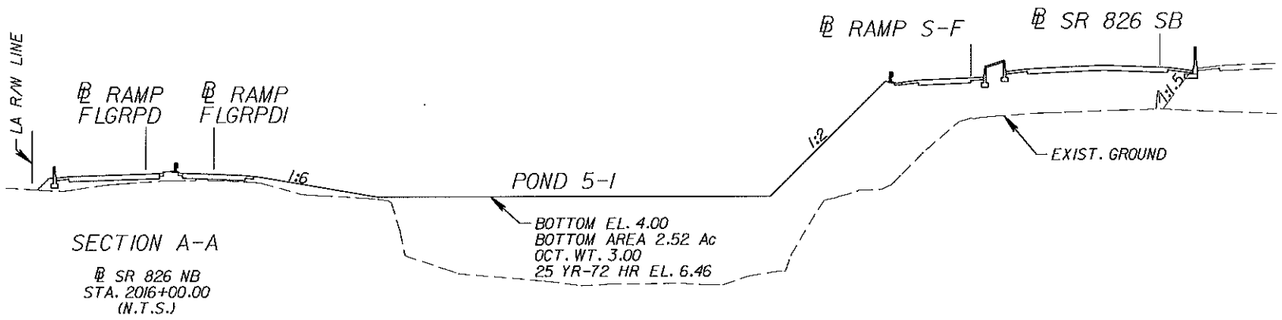
RELEASED FOR CONSTRUCTION

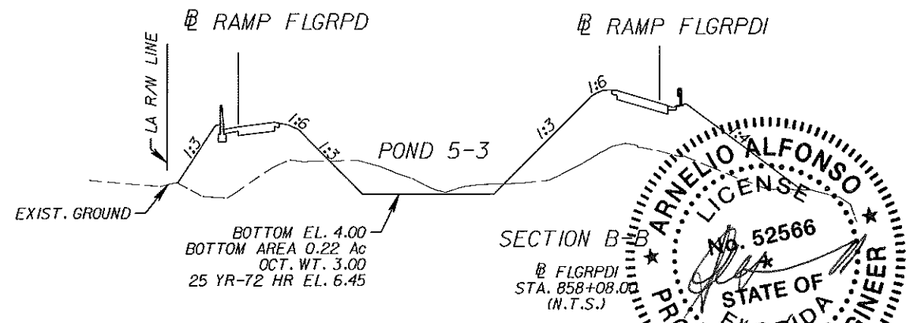
DRAINAGE DETAILS

SHEET NO. 3-77

nsanchez 6/13/2011 2:12:52 PM P:\249581\5201-Section 5\Segment 3\Drainage\DRDTRD00.dgn







ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

RELEASED FOR CONSTRUCTION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
12/11/12	3 MODIFIED DRAINAGE DUE TO FUTURE MANAGED LANES		
8/12/14	320 MODIFIED DRAINAGE DUE TO RAMP S-F HAS BEEN CHANGED		

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0001797
Arnello Alfonso, P.E. No. 52566

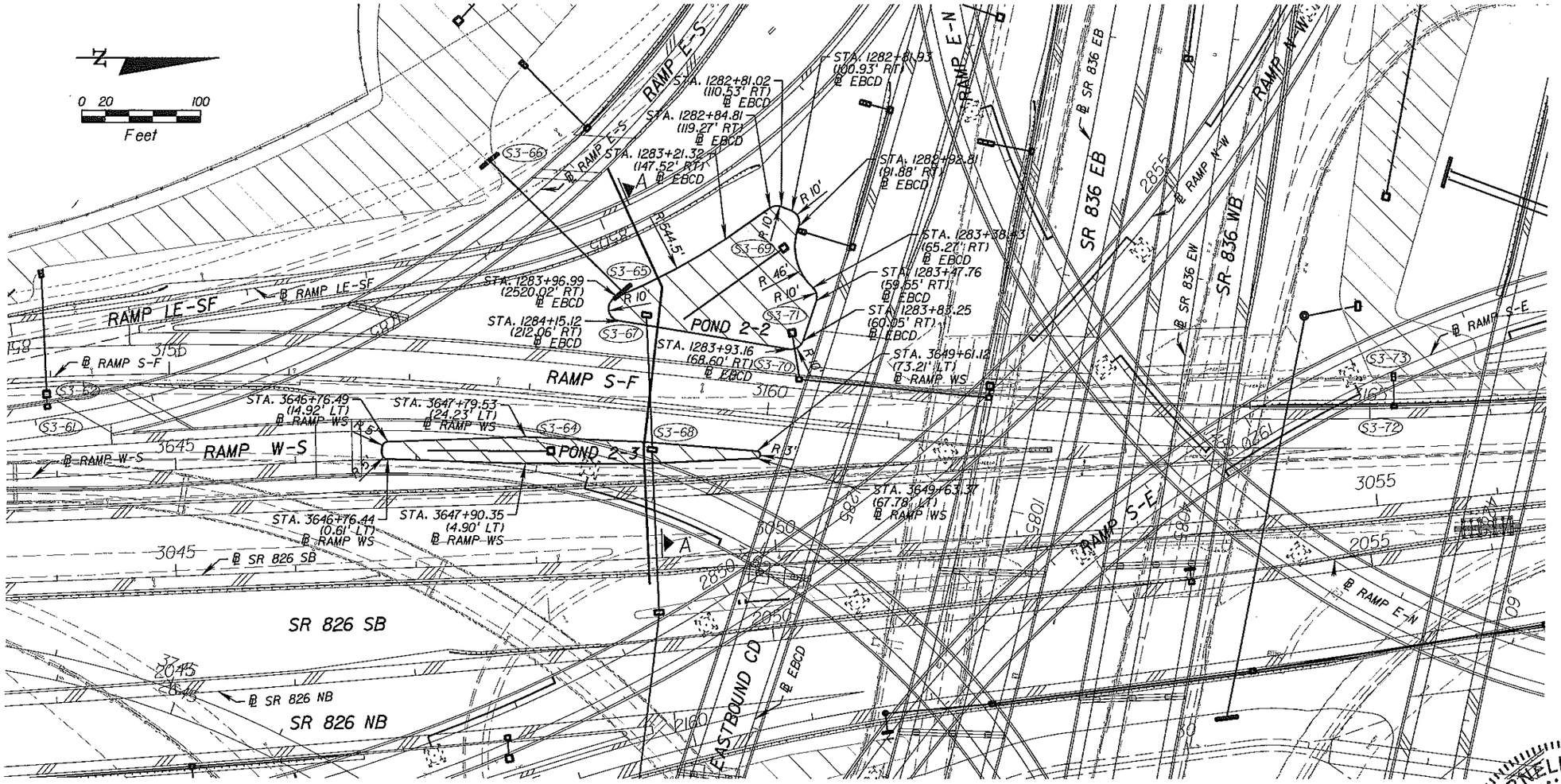
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

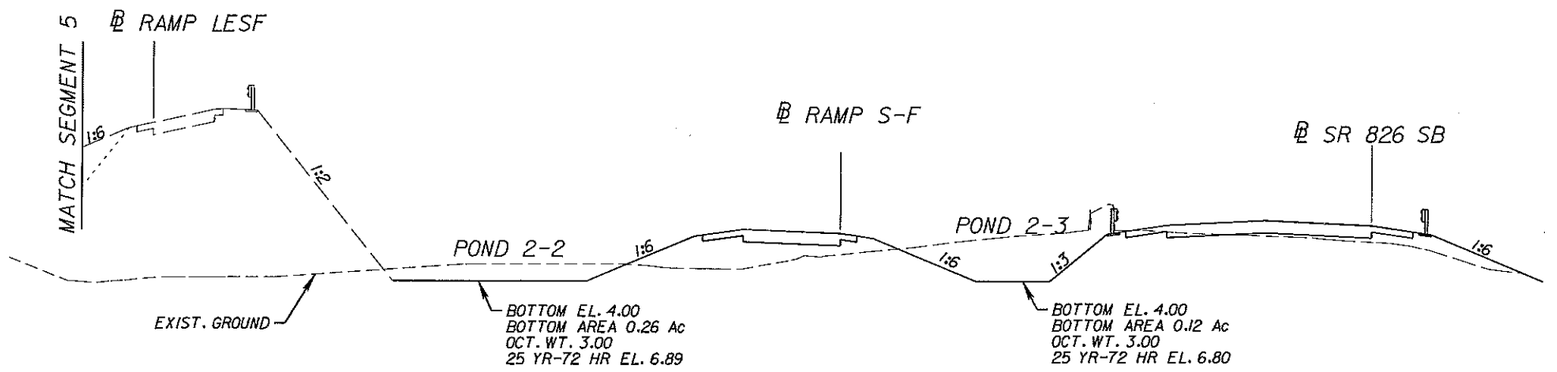
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RETENTION POND DETAILS
POND 5-1 & POND 5-3

SHEET NO. 3-78

aboron 9/11/2014 5:56:21 PM P:\249581\5201-Section 5\Segment 3\Drainage\Managed Lane\PDPLRD03-01_ml.dgn





SECTION A-A

℄ SR 826 NB
STA. 2049+00.00
(N.T.S.)

ARNELIO ALFONSO
LICENSED
NO. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

NOT RELEASED FOR CONSTRUCTION

RETENTION POND DETAILS
POND 2-2 & POND 2-3

SHEET NO. 3-79

nsanchez 6/13/2011 2:14:59 PM P:\249581\5201-Section 5\Segment 3\Drainage\PDPLRD03-02.dgn

74 RFC
Rev #135

COMPONENTS OF CONTRACT PLANS SET (SEGMENT 5)

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS
INTELLIGENT TRANSPORTATION SYSTEMS (ITS) PLANS
LIGHTING PLANS
LANDSCAPE PLANS
STRUCTURE PLANS

SUBMITTAL NO.
S05RDW-RFC

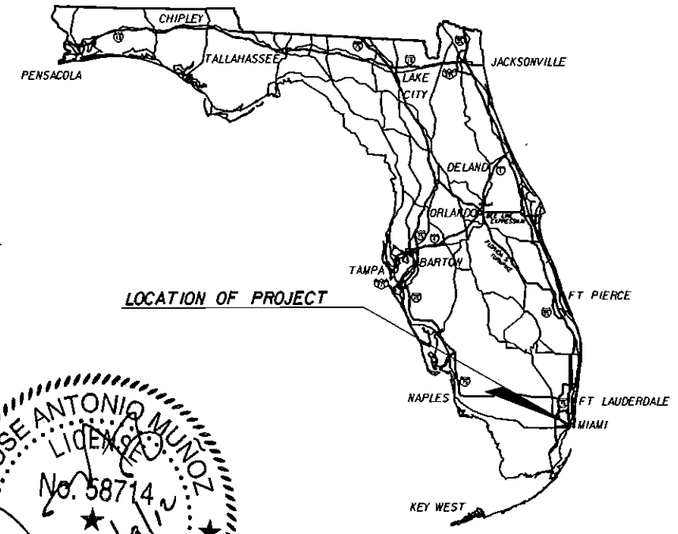
A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 249581-1-52-01
(FEDERAL FUNDS)
MIAMI-DADE COUNTY (87260)
STATE ROAD NO. 826 (PALMETTO EXPRESSWAY)
SR-826/SR-836 INTERCHANGE
SECTION 5

SEGMENT 5



LOCATION OF PROJECT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
5-1	KEYSHEET
5-2 - 5-8	TYPICAL SECTIONS
5-9	TYPICAL SECTION DETAILS
5-10 - 5-11	SUMMARY OF QUANTITIES
5-12 - 5-14	SUMMARY OF DRAINAGE STRUCTURES
5-15	OPTIONAL MATERIALS TABULATION
5-16	GENERAL NOTES
CTL-1 - CTL-4	PROJECT NETWORK CONTROL
CACD	COORDINATE AND CURVE DATA
CASD	COORDINATE AND SPIRAL DATA
5-17 - 5-20	ROADWAY PLANS
5-21 - 5-23	MISCELLANEOUS DETAILS
5-24 - 5-40	PROFILES
5-41 - 5-48	RAMP TERMINAL DETAILS
5-49 - 5-52	DRAINAGE PLANS
5-53 - 5-88	DRAINAGE STRUCTURES
5-89 - 5-90	DRAINAGE DETAILS
5-91 - 5-92	RETENTION PONDS DETAILS
5-93 - 5-94	CROSS SECTION PATTERN SHEET
5-95 - 5-141	CROSS SECTIONS
5-142	ROADWAY SOIL SURVEY
UA5-1 - UA5-4	UTILITY ADJUSTMENT SHEETS

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2008,
AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2007,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 7-1-09
For Design Standards Modifications click on "Design Standards" at the following web site:
http://www.dot.state.fl.us/rddesign/

REVISIONS:

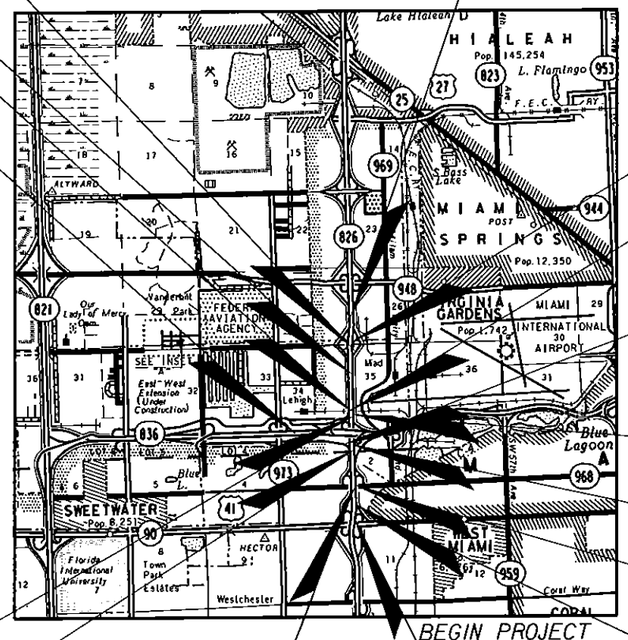
SHEETS 5-10, 5-11, 5-20, 5-48, S5-7, S5-10, S5-11, S5-19 (REVISION 135 11/08/2012)

BEGIN BRIDGE
STA. 185+03.34
℄ SR-826

EQUATION
STA. 2097+81.66 ℄ S.R. 826 NB BACK=
STA. 171+94.87 ℄ SR-826 AHEAD

BEGIN BRIDGE No. 29B
STA. 2064+60.54
℄ SR-826 NB

BEGIN SEGMENT 5
BEGIN CONSTRUCTION
STA. 1033+78.00
℄ SR-836 EB



END PROJECT
STA. 208+50.00
℄ SR-826

END BRIDGE
STA. 186+40.34
℄ SR-826

END BRIDGE No. 29B
STA. 2065+77.60
℄ SR-826 NB

END SEGMENT 5
STA. 1083+50.00
℄ S.R.-836 EB

END BRIDGE No. 30B
STA. 2059+76.96
℄ SR-826 NB

END BRIDGE No. 43
STA. 2038+87.55
℄ SR-826 NB

END BRIDGE No. 16B
STA. 2013+47.49
℄ SR-826 NB

EQUATION
STA. 2000+00.00 ℄ S.R. 826 N.B. AHEAD=
STA. 353+00.64 ℄ SR-826 BACK

BEGIN BRIDGE No. 30B
STA. 2058+37.31
℄ SR-826 NB

BEGIN BRIDGE No. 43
STA. 2037+64.55
℄ SR-826 NB

BEGIN BRIDGE No. 16B
STA. 2011+77.13
℄ SR-826 NB

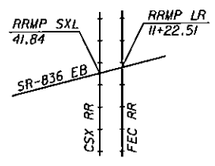
BEGIN PROJECT
STA. 341+22.00
℄ SR-826
M.P. 6.064

PROJECT LENGTH IS BASED ON ℄ S.R. 826 NB & ℄ OF CONSTRUCTION

LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	13,928.36	2.638
BRIDGES	687.07	0.130
NET LENGTH OF PROJECT	14,615.43	2.768
EXCEPTIONS	0.00	0.00
GROSS LENGTH OF PROJECT	14,615.43	2.768

FDOT PROJECT MANAGER: ALI TOGHIANI, P.E.



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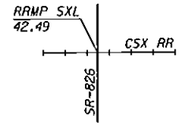
CSXT RR CROSSING No. 628534F



CSX RR CROSSING No. 628537B

KEY SHEET REVISIONS

DATE	DESCRIPTION

JOSE ANTONIO MUÑOZ
LICENSE
No. 58714
STATE OF FLORIDA
PROFESSIONAL ENGINEER
9/12

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:

JOSE MUNOZ, P.E.
BCC ENGINEERING
7300 N KENDALL DRIVE,
SUITE 400
MIAMI, FL 33156
PH: (305) 670-2350

PLANS PREPARED BY:

bcc engineering
7300 N Kendall Drive, Suite 400
Miami, Florida 33156
Phone: (305) 670-2350
Fax: (305) 670-2351

Certificate of Authorization No. 7184
Contract No. E-6F61 .
Vendor Identification No. 65-0540100

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

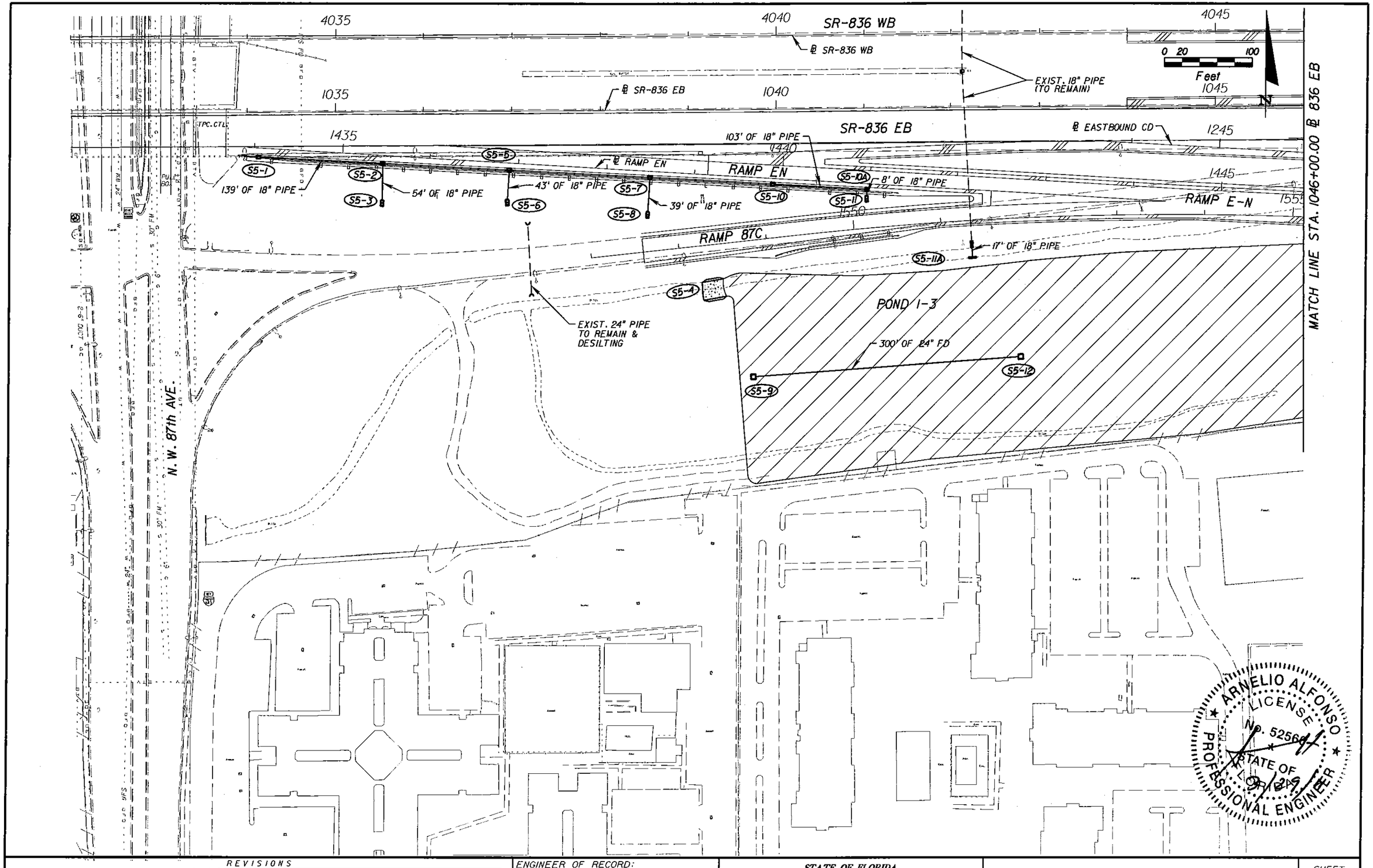
ROADWAY PLANS
ENGINEER OF RECORD: JOSE MUNOZ, PE.

P.E. NO.: 58714

RELEASED FOR CONSTRUCTION 11/6/2013

FISCAL YEAR	SHEET NO.
09	5-1

$USER$ $DATE$ $TIME$ $FILE$



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
ENGINEERS
03305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7281 Fax: (305) 593-1594
CA No. : EB-0007597
Arnelio Alfonso, P.E. No. 52566

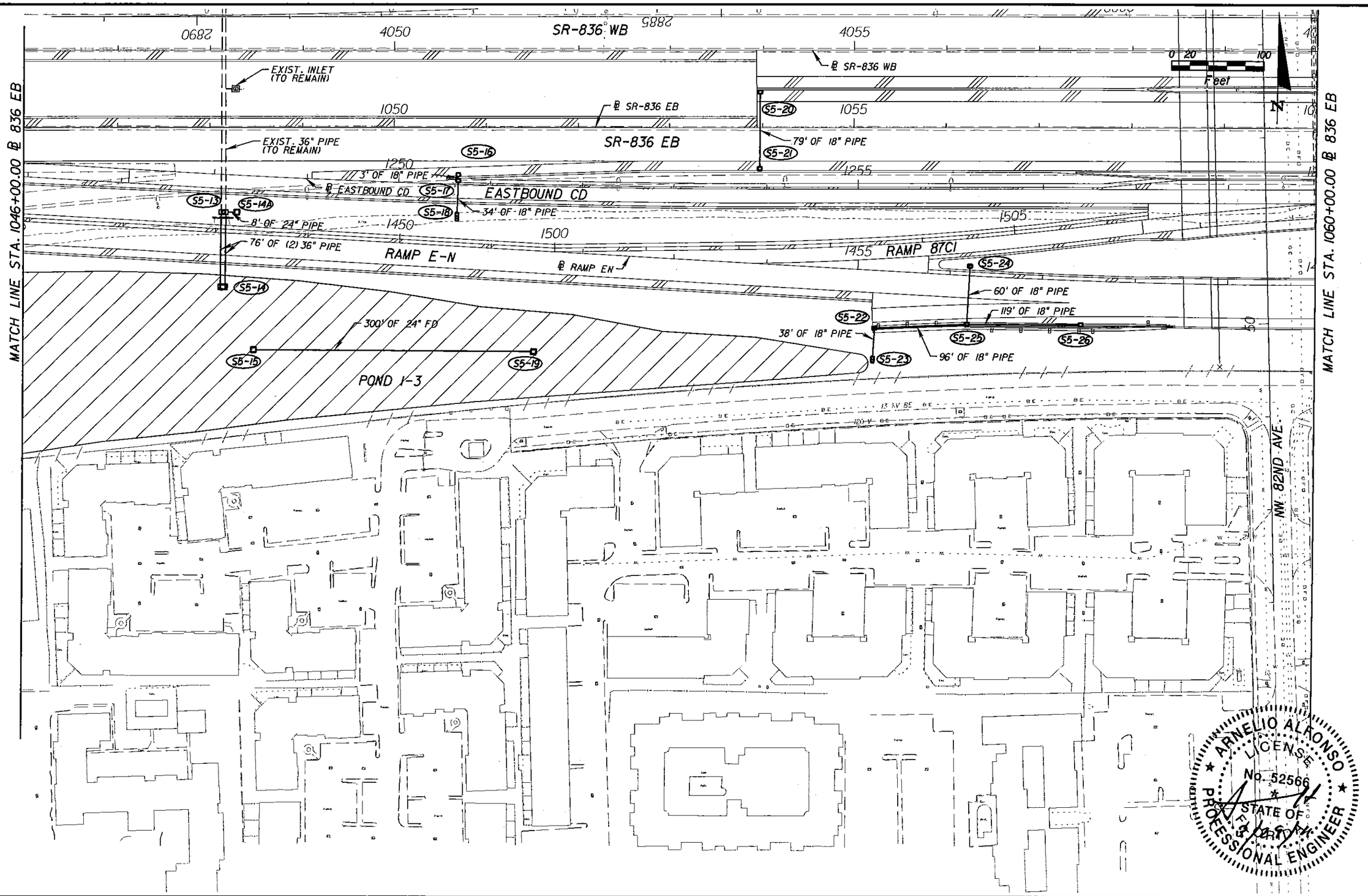
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

PLEASE REFER TO

DRAINAGE PLANS

SHEET NO. 5-49



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

ENGINEERS

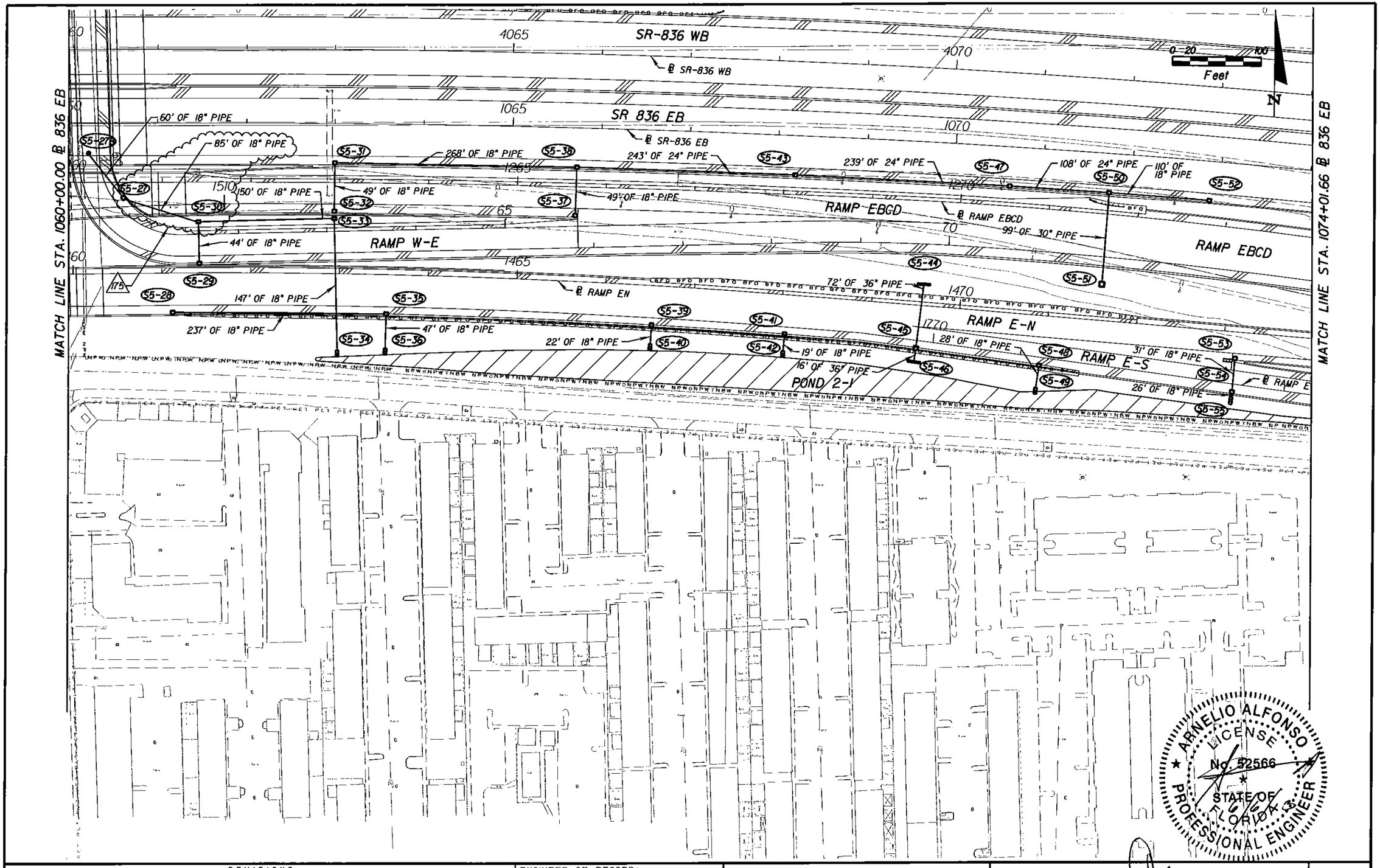
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS

SHEET NO. 5-50

asanchez 3/25/2011 9:01:02 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRPLAN05-02.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
3/12/13	175 DELETED S5-27A		

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-1283 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE PLANS

SHEET NO. 5-51

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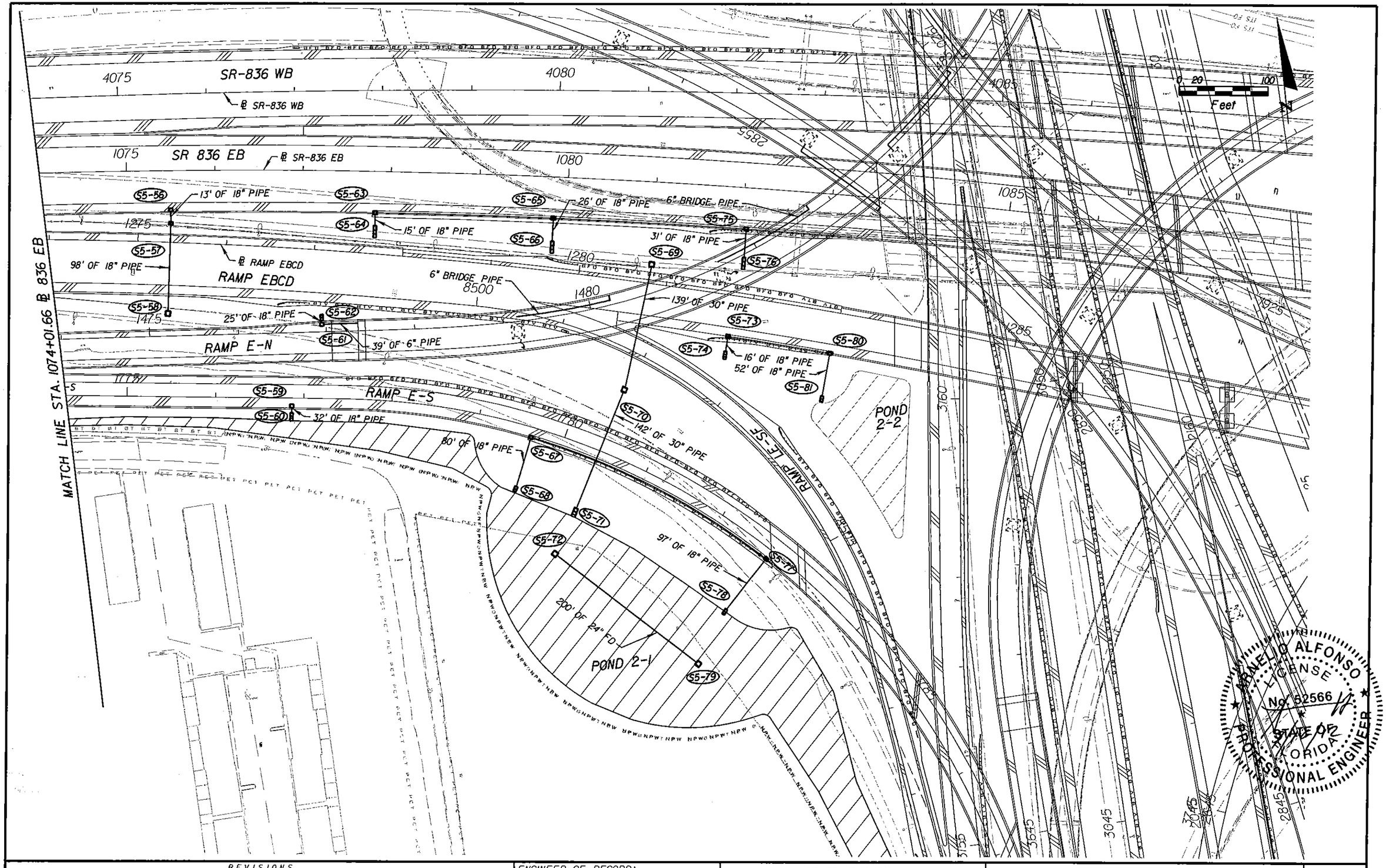

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 593-1283 / fax: (305) 593-1594
CA No. : EB-0027197
Arnaldo Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE PLANS

SHEET NO. 5-52

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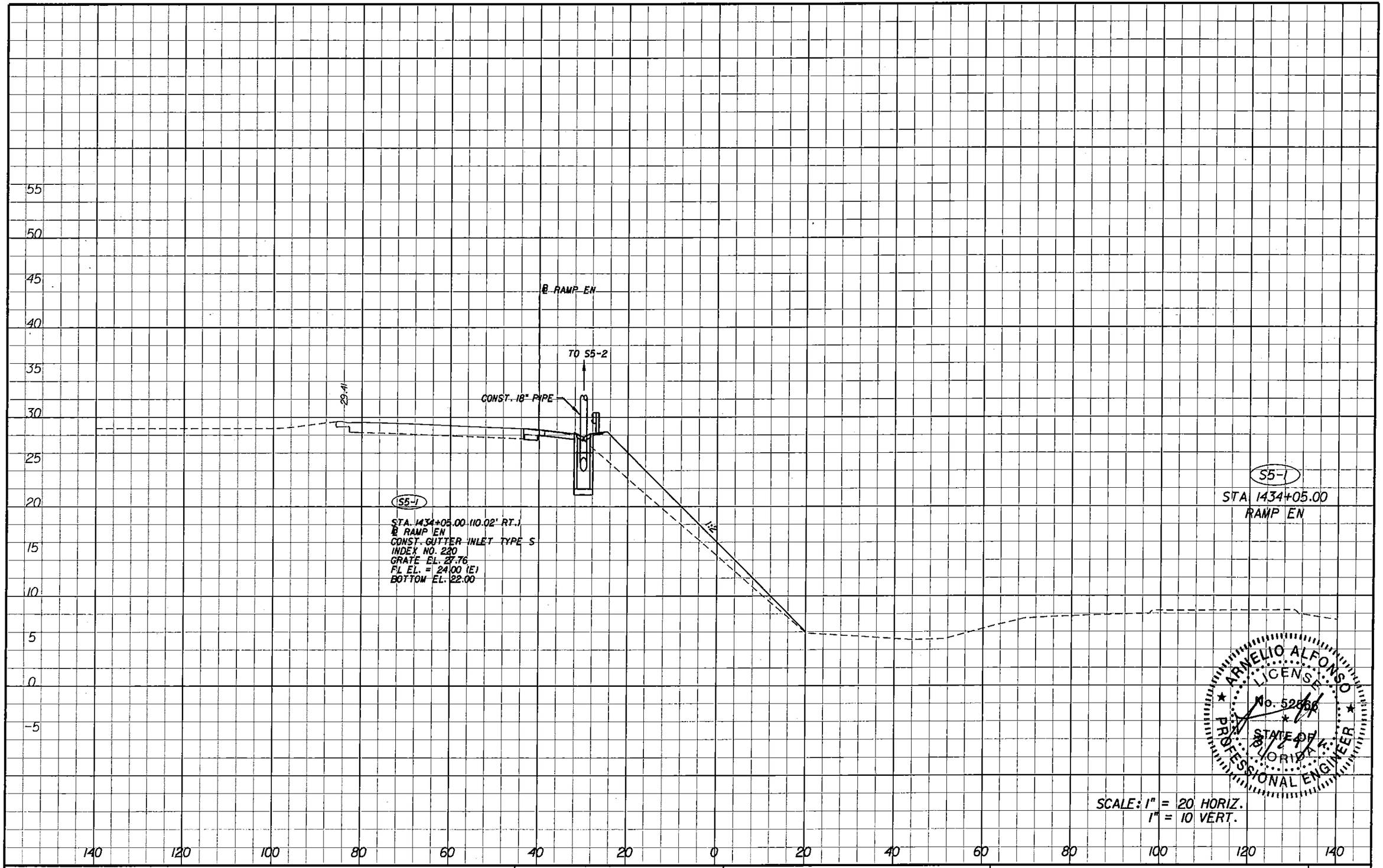

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0001797
Arnelio Alfonso, P.E. No. 52566

ENGINEERS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 5-53

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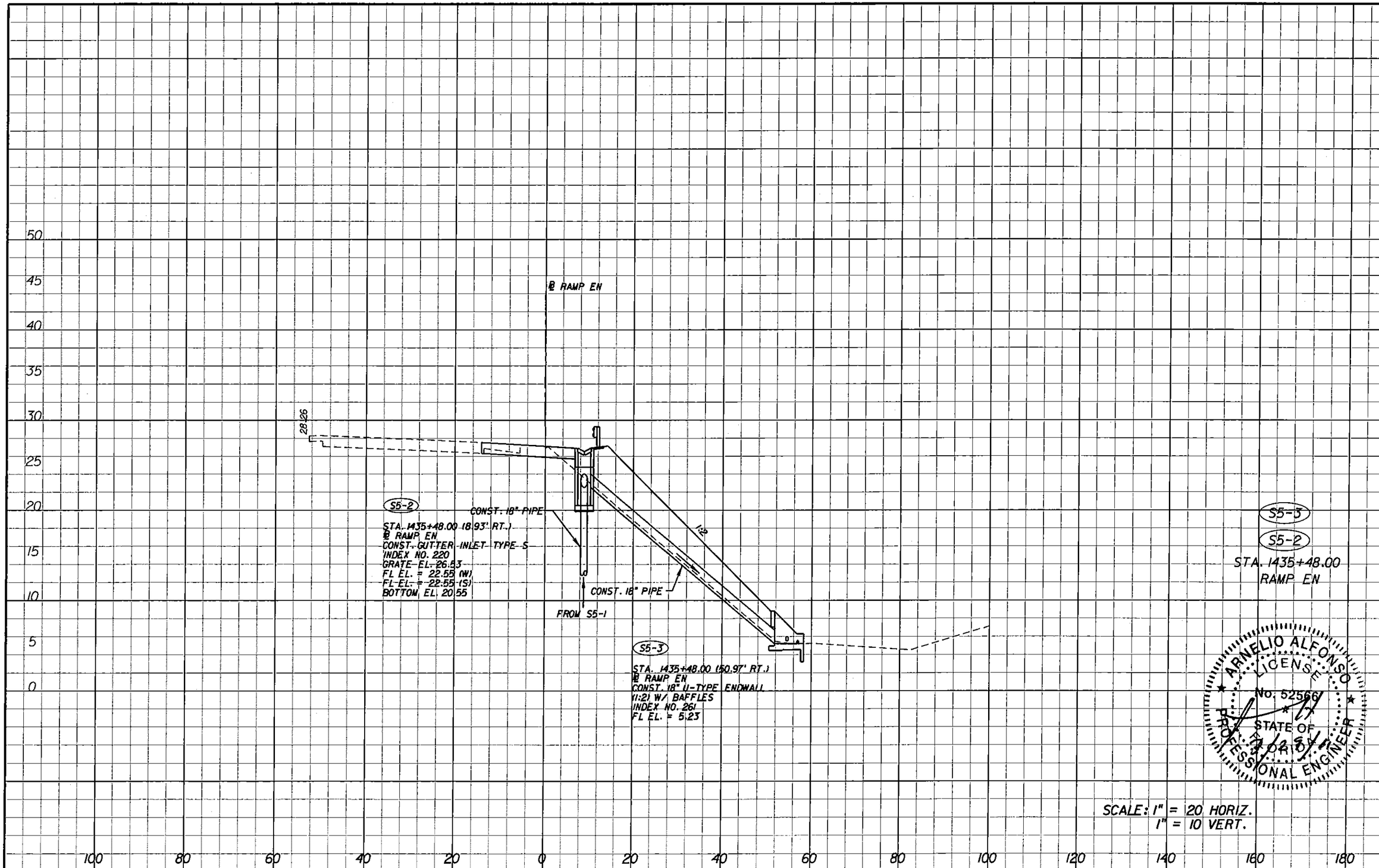


ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER
3/25/11

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

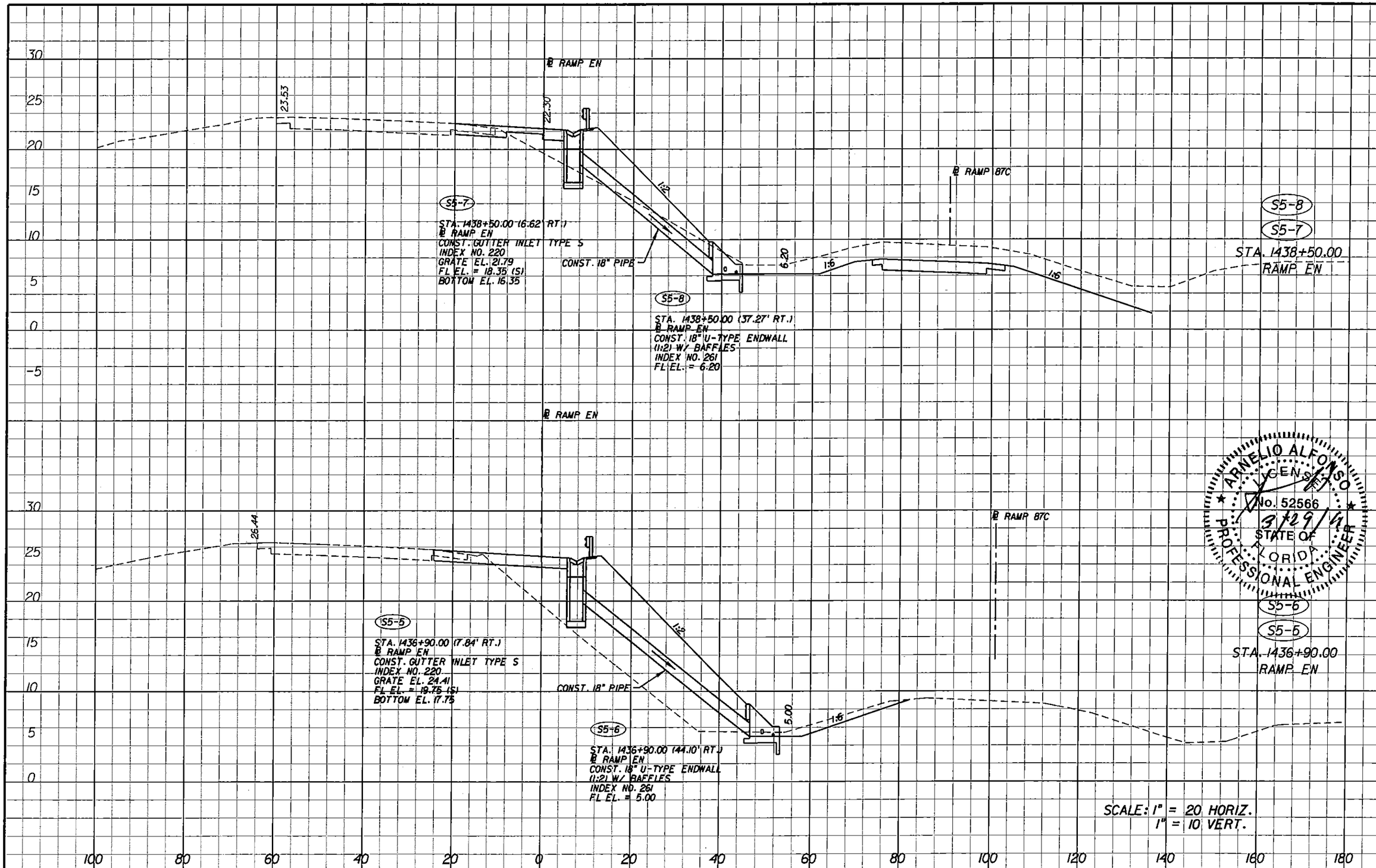
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0002691
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 5-54



ARNELIO ALFONSO
LICENSED
No. 52566
3/29/11
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 599-2283 / fax: (305) 593-1594
CA No. EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-55

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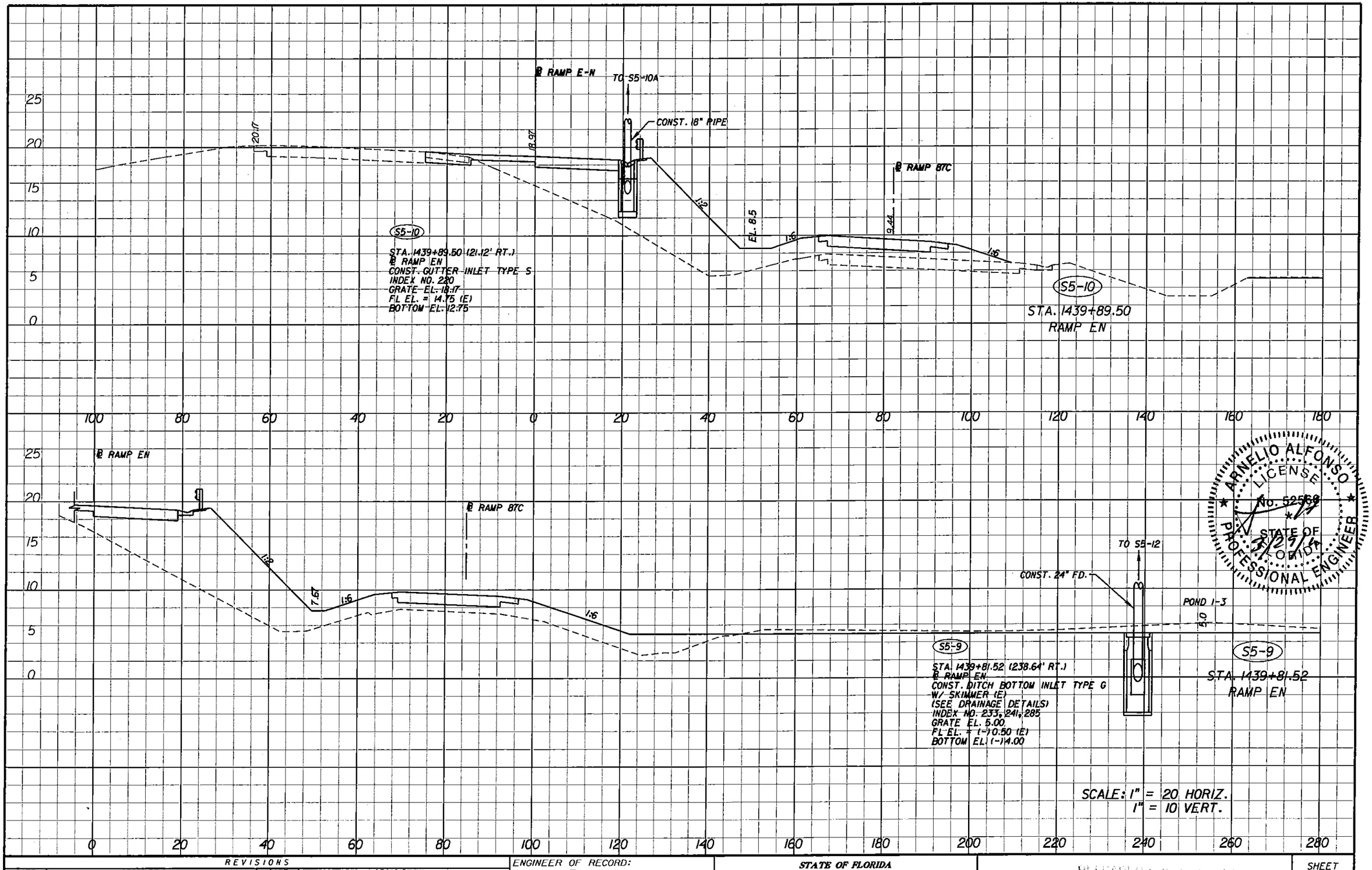


ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER 3/25/11

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-8594
CA No. : EB-0007257
Arnelio Alfonso, P.E. No. 52566

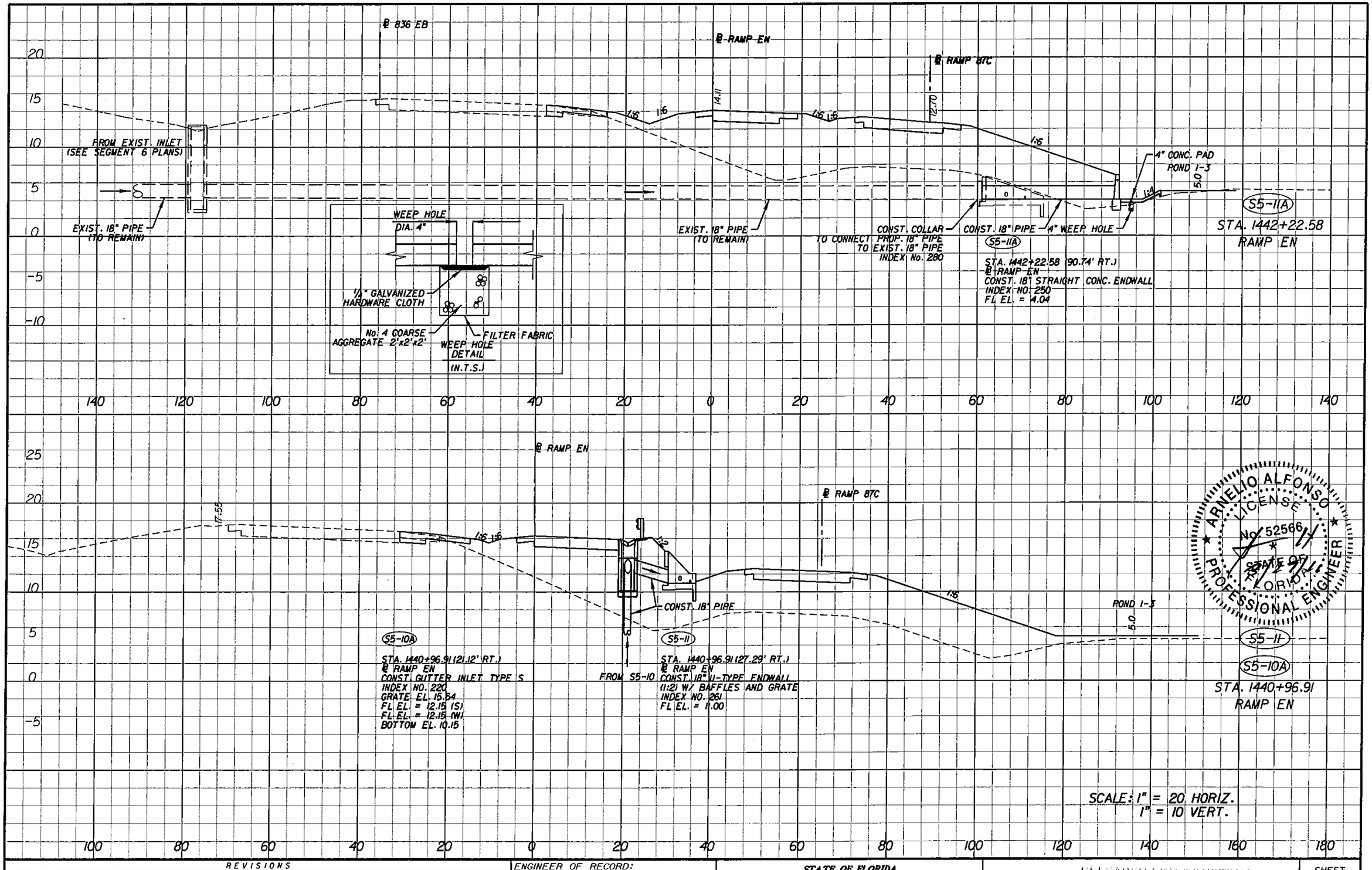
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 5-56

nsanchez 3/25/2011 9:33:19 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSR001.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
(3305 N.W. 4th Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007597
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

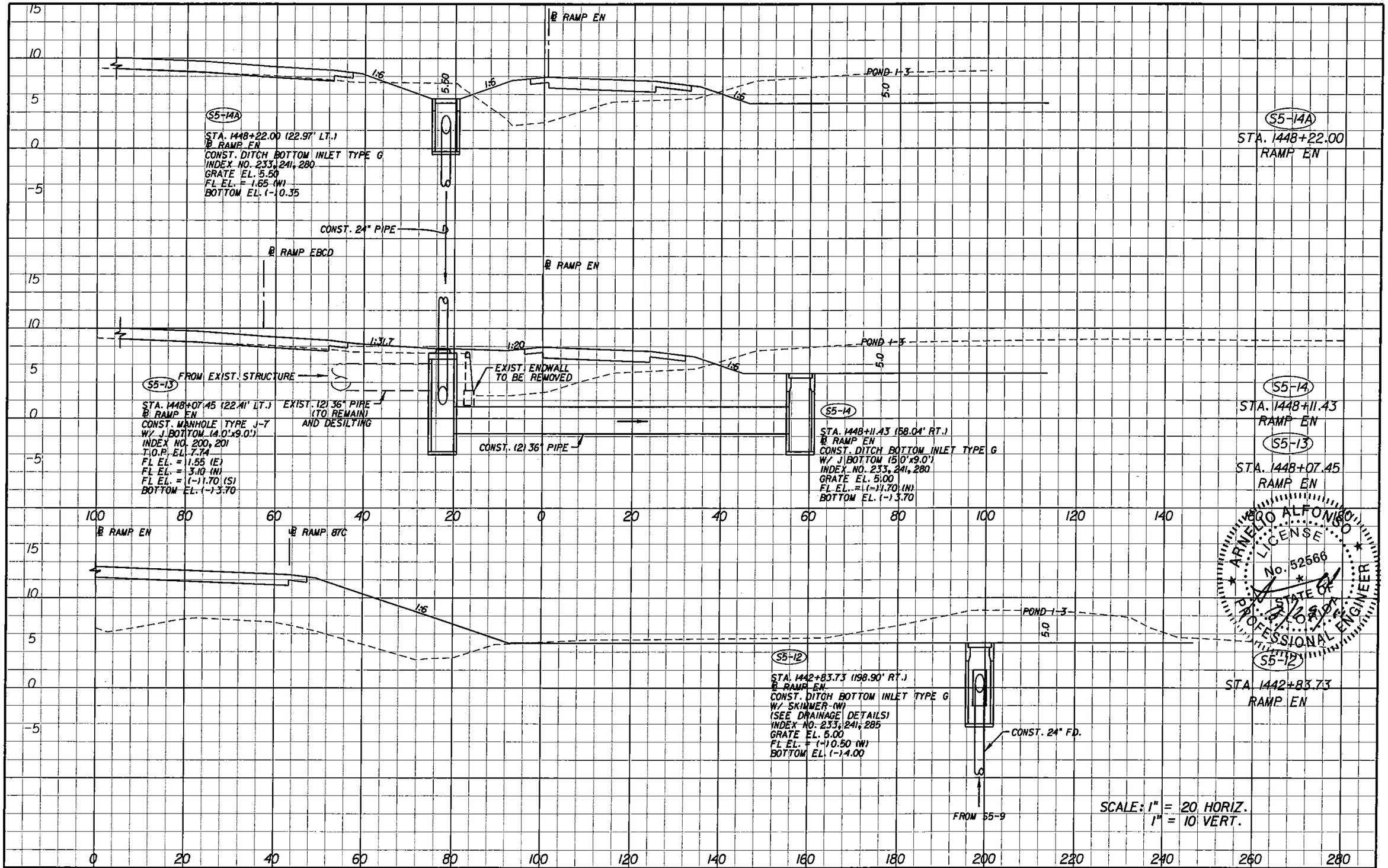
RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-57

ARNELIO ALFONSO LICENSED PROFESSIONAL ENGINEER No. 52566 STATE OF FLORIDA

nsanchez 3/25/2011 9:34:41 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-4594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

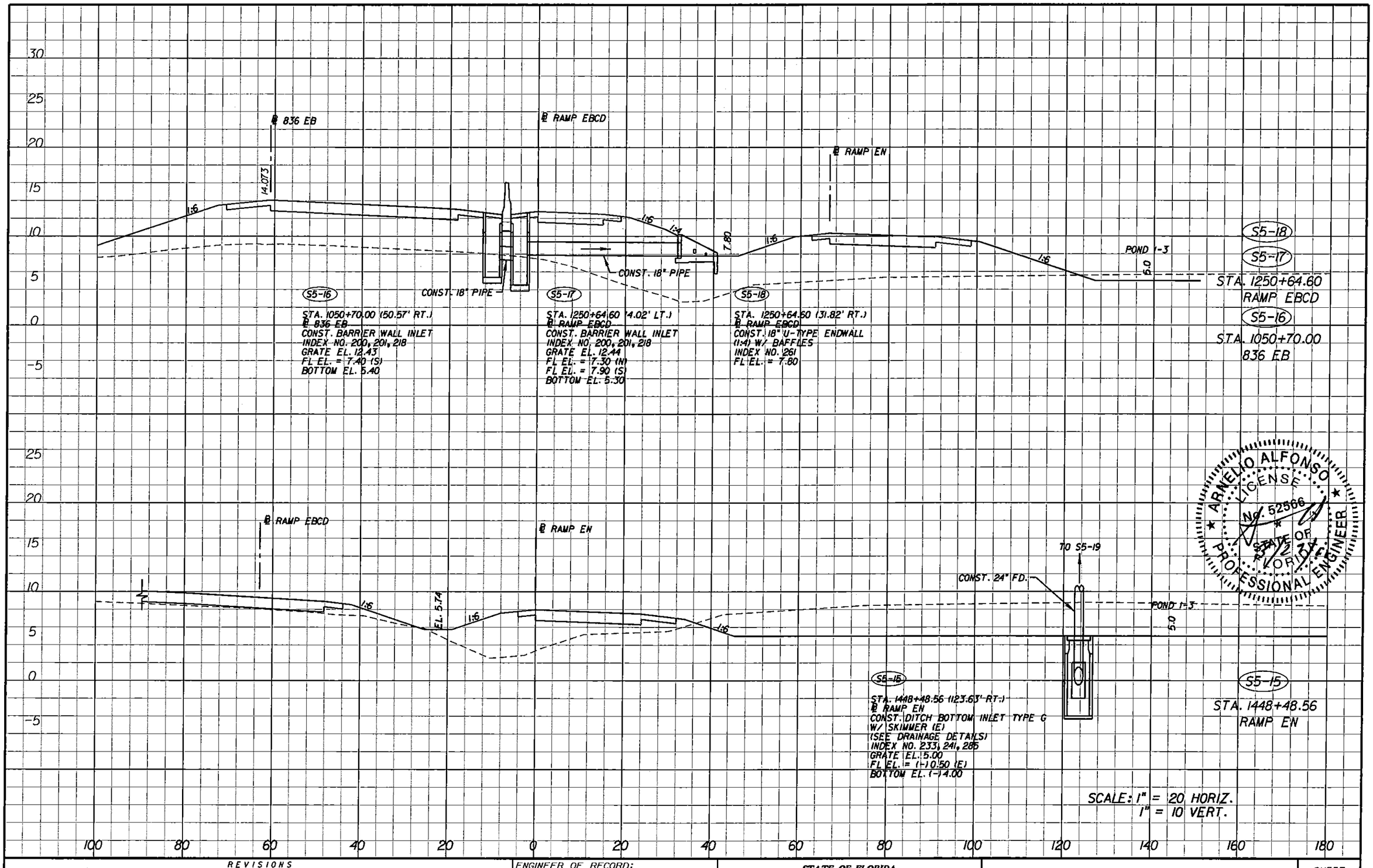
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-58

nsanchez 3/25/2011 9:35:42 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 598-7283 / fax: (305) 593-1594
CA No. : EB-0001797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

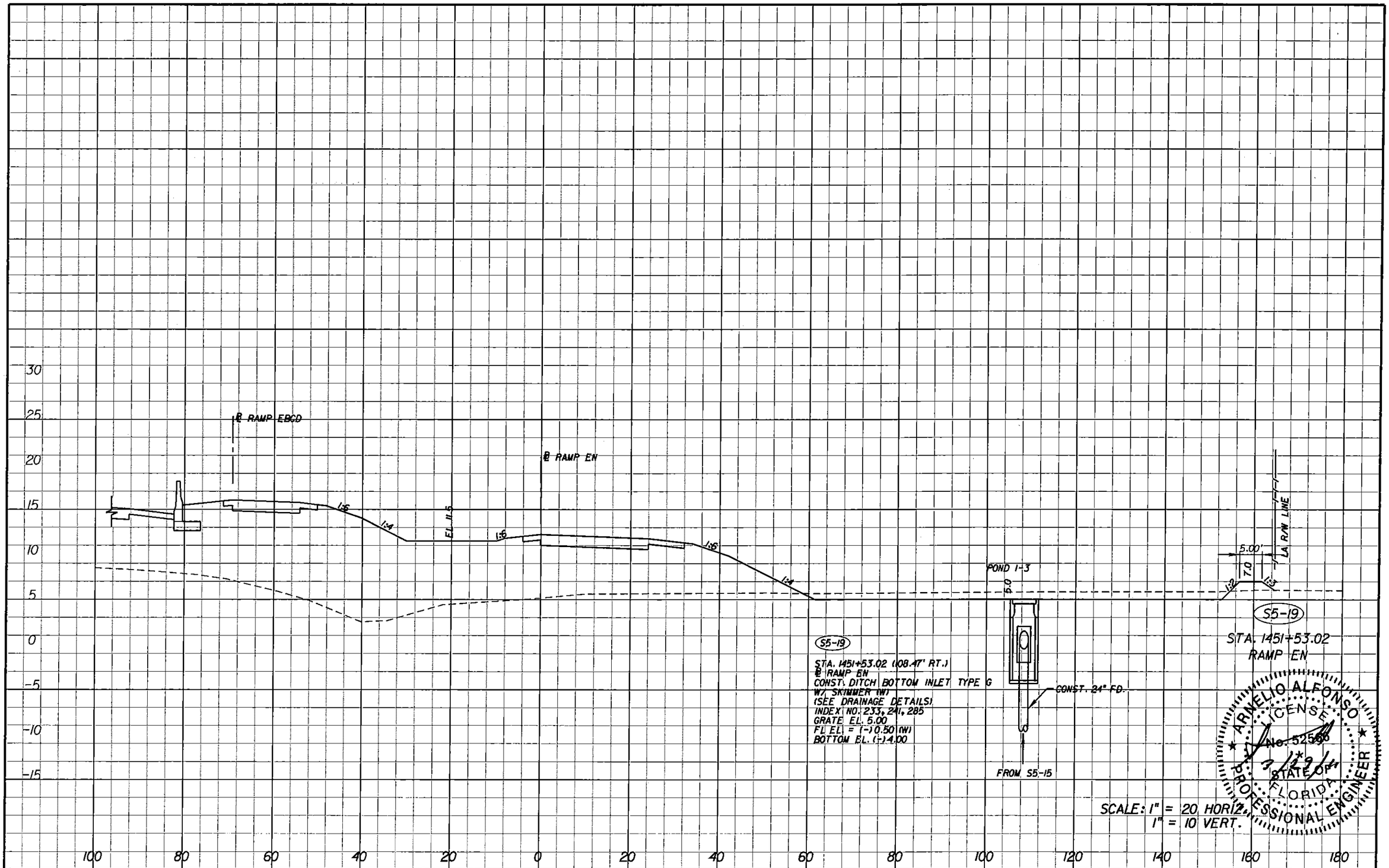
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-59

nsanchez 3/25/2011 9:37:08 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 593-1293 / fax: (305) 593-1594
CA No. : EB-0001797
Arnelio Alfonso, P.E. No. 52566

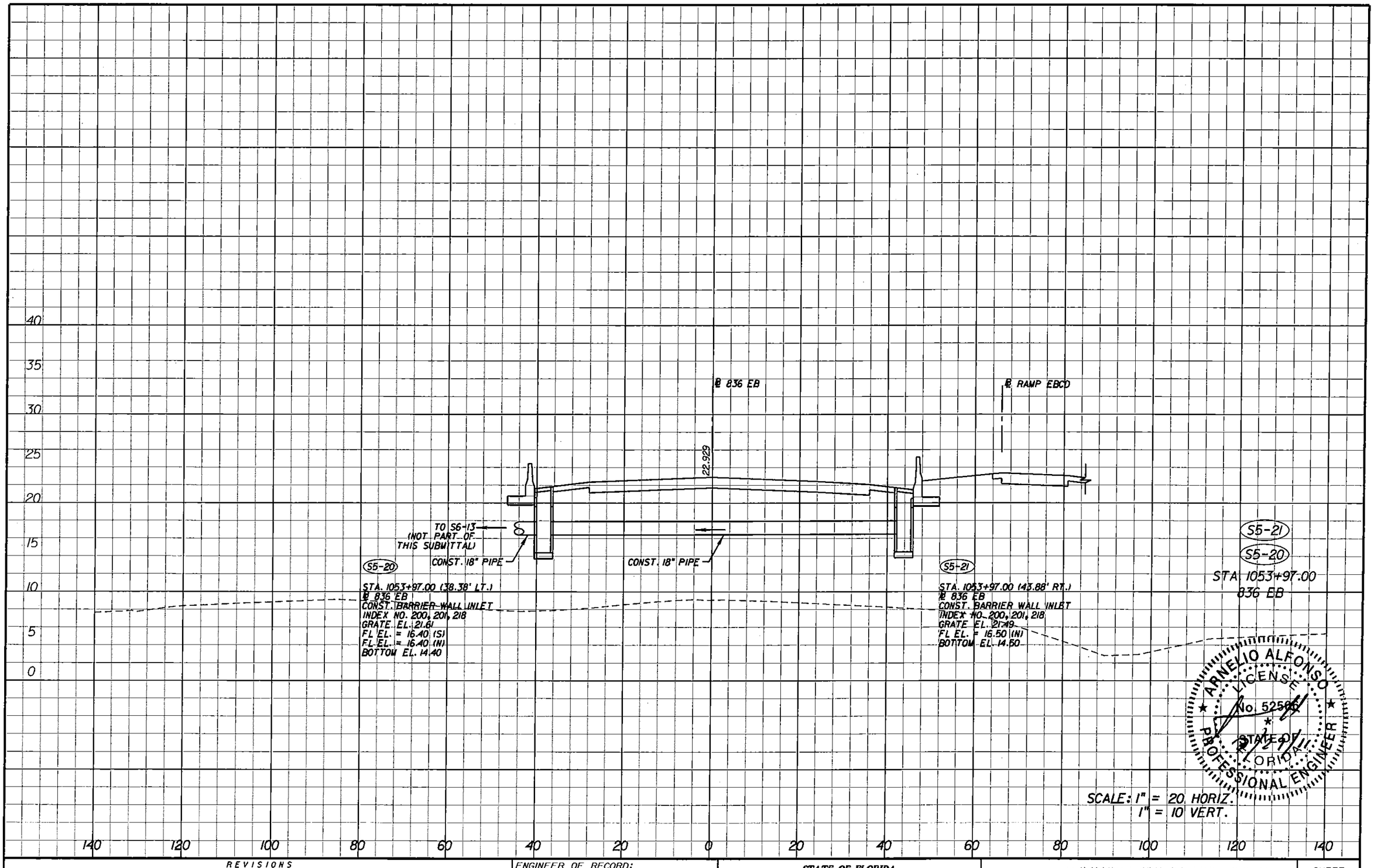
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-60

nsanchez 3/25/2011 9:38:54 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1684
CA No. : EB-0001797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

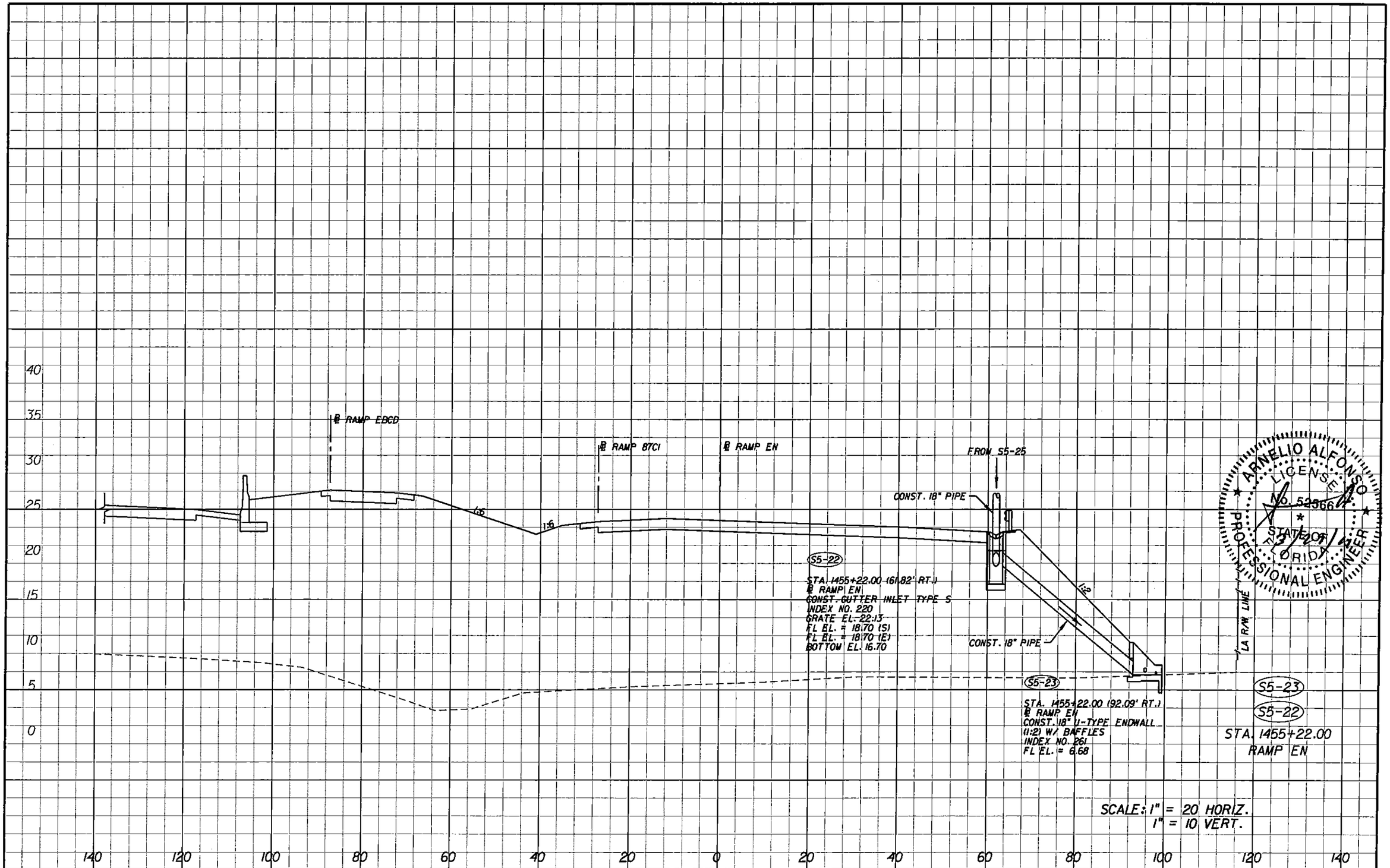
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-61

nsanchez 3/25/2011 9:40:39 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSED No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-6594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

ENGINEERS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

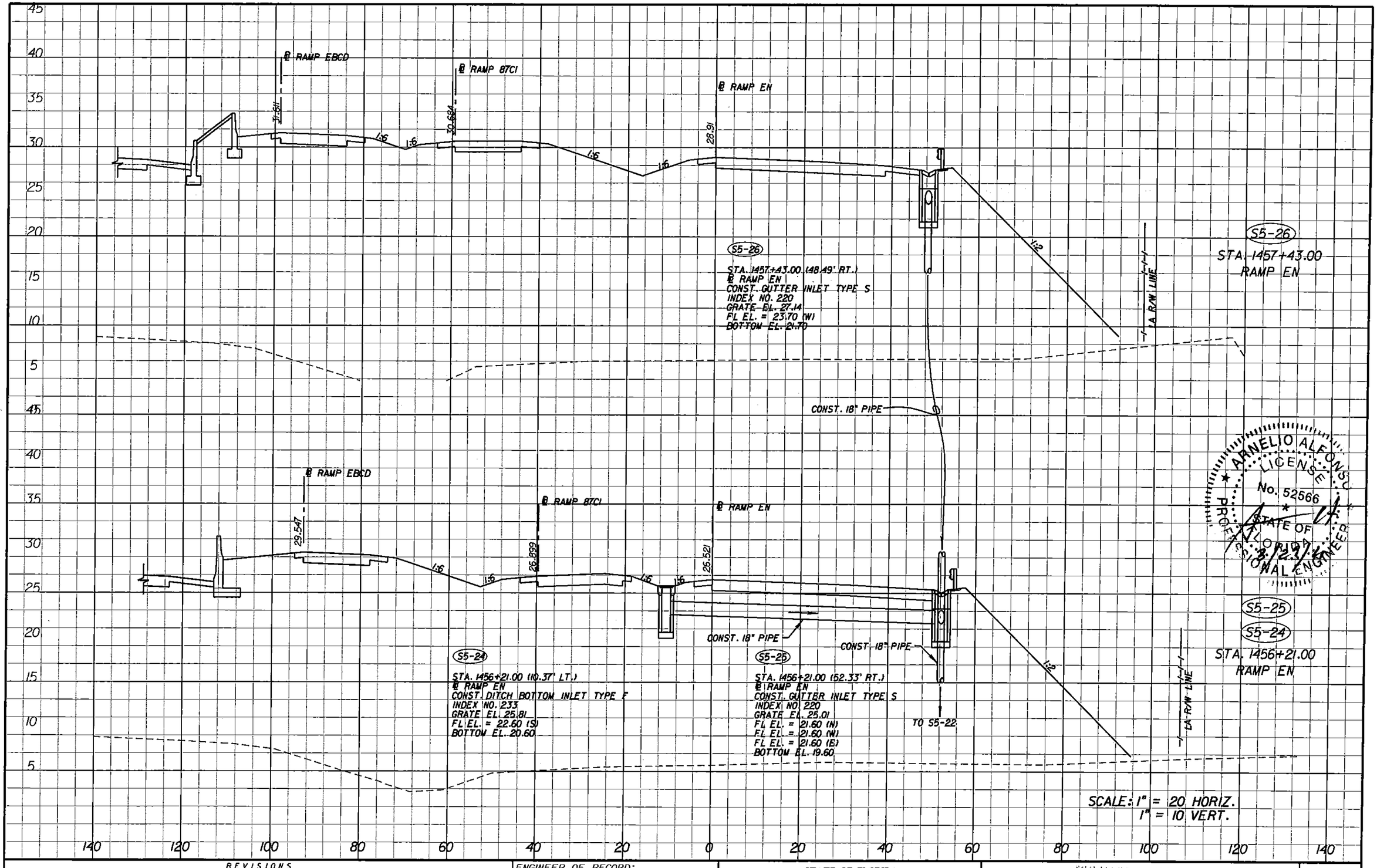
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-62

nsanchez 3/25/2011 9:41:57 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0004797
Arnelio Alfonso, P.E. No. 52566

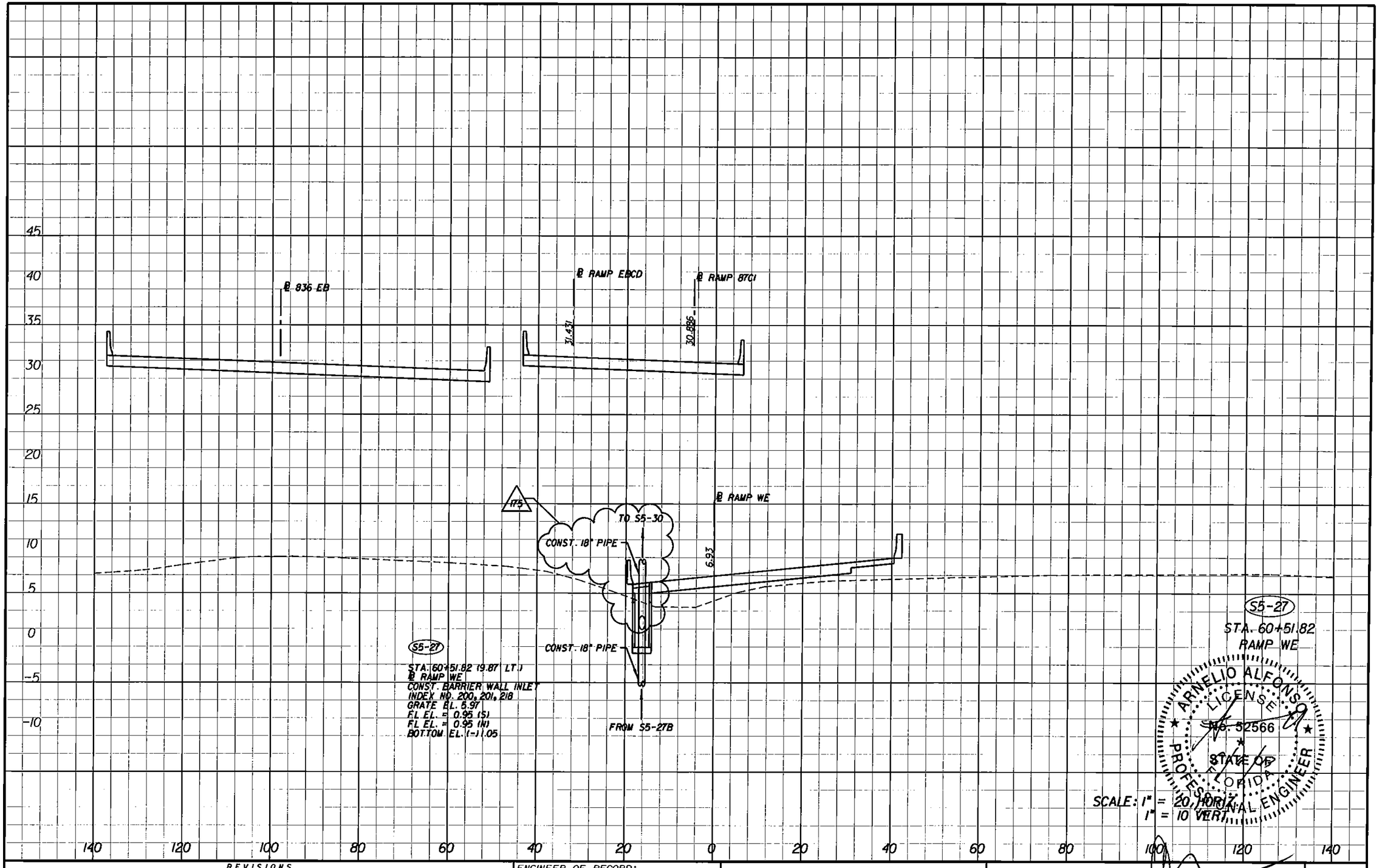
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-63

nsanchez 3/25/2011 9:43:09 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
3/12/13	175 DELETED S5-27A		

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
8305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-8694
CA No. : EB-0027597
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

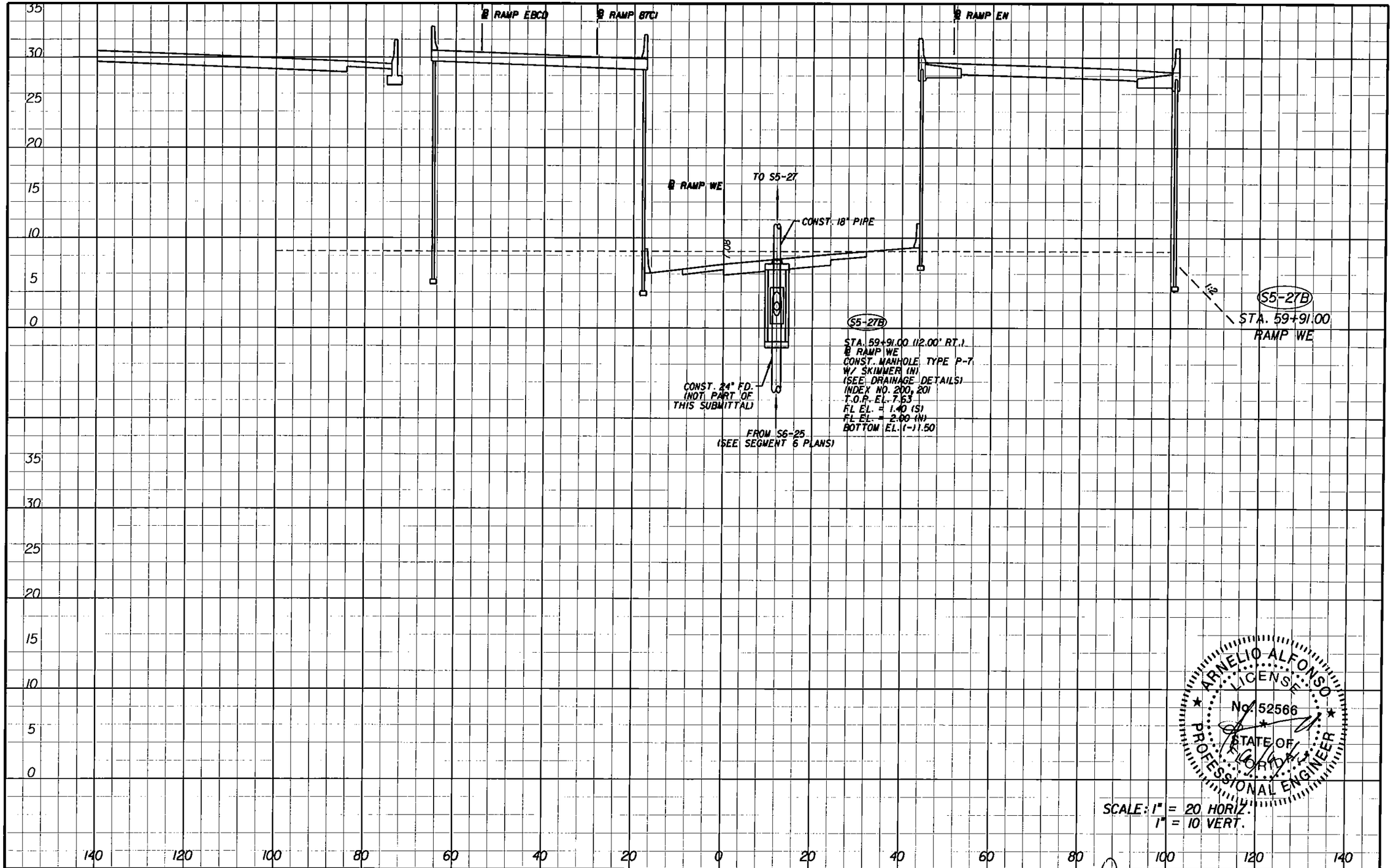
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-64

malfonso 6/6/2013 4:11:41 PM P:\249581\5201-Section 5\Segment 5\Drainage\DRNSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER
6/6/13

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
3/12/13	⚠5 DELETED S5-27A		

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
2305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-8394
CA No.: EB-0007587
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

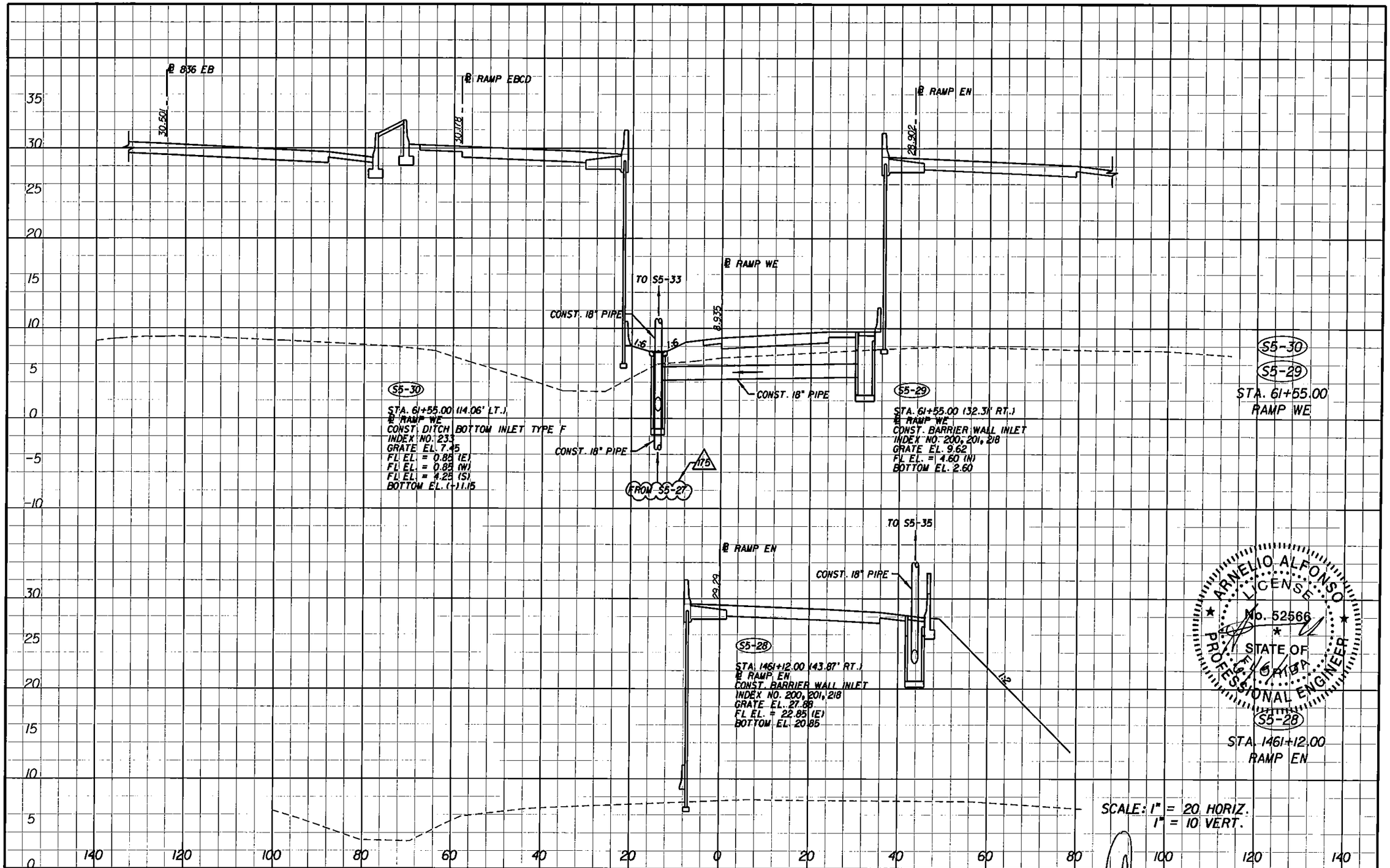
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-65

malfonso 6/6/2013 4:12:50 PM P:\249581\5201-Section 5\Segment 5\Drainage\DRNSRD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
3/12/13	115 DELETED S5-27A		

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
(D/B/A A&P CT ENGINEERS)
8305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / Fax: (305) 593-1594
CA No. : EB-0001757
Arnelio Alfonso, P.E. No. 52566

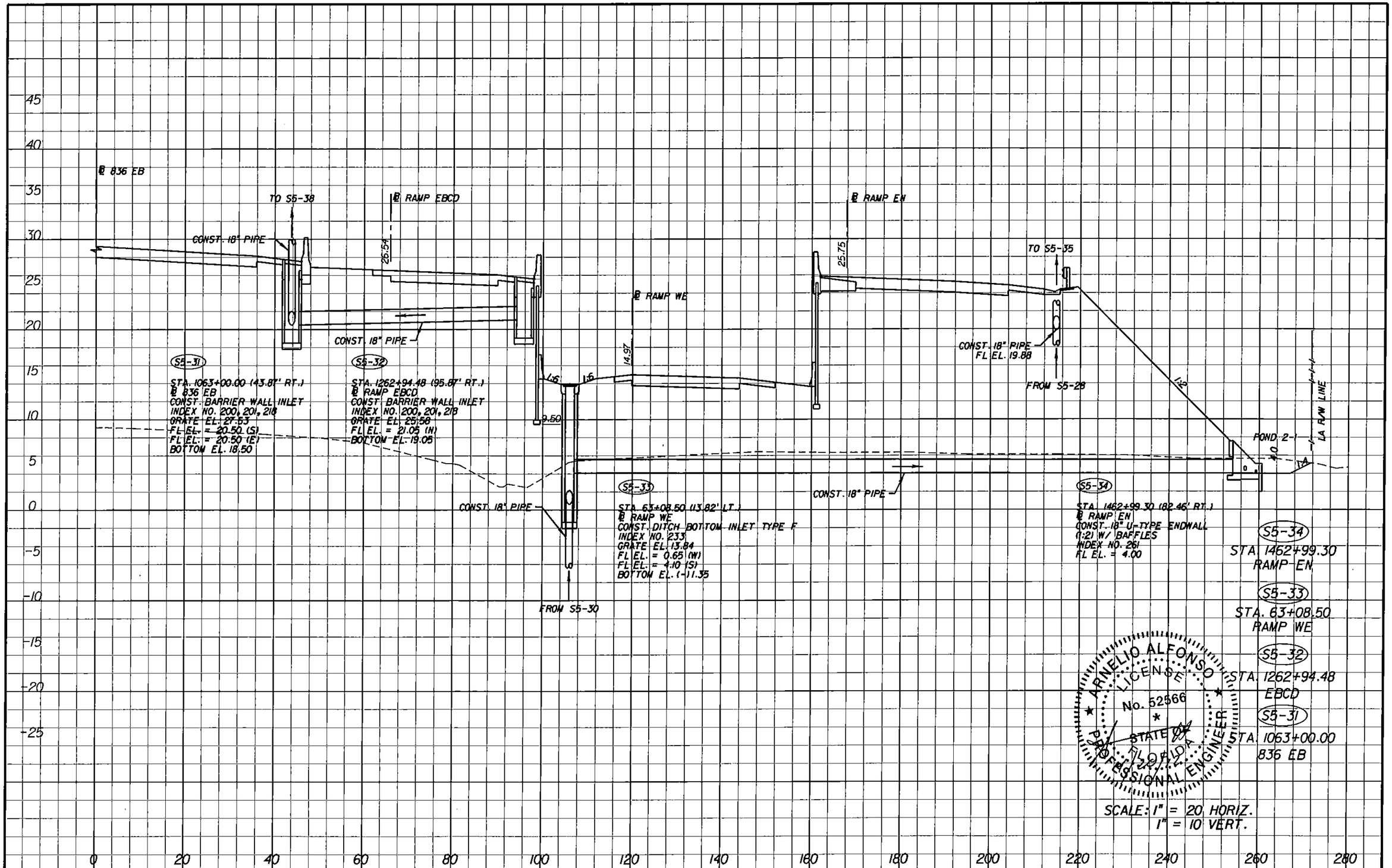
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION
DRAINAGE STRUCTURES

SHEET NO. 5-66

malfonso 6/6/2013 4:13:28 PM P:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0001791
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

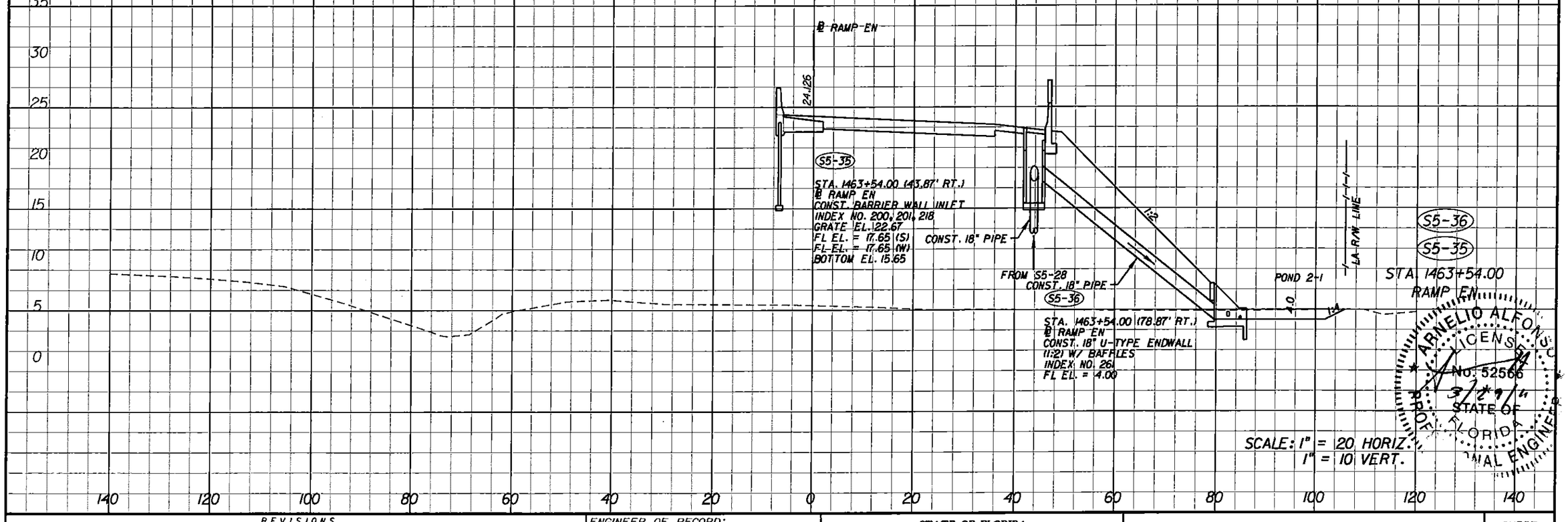
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-67

lferrero 4/20/2012 2:11:46 PM P:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7293 / fax: (305) 593-594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

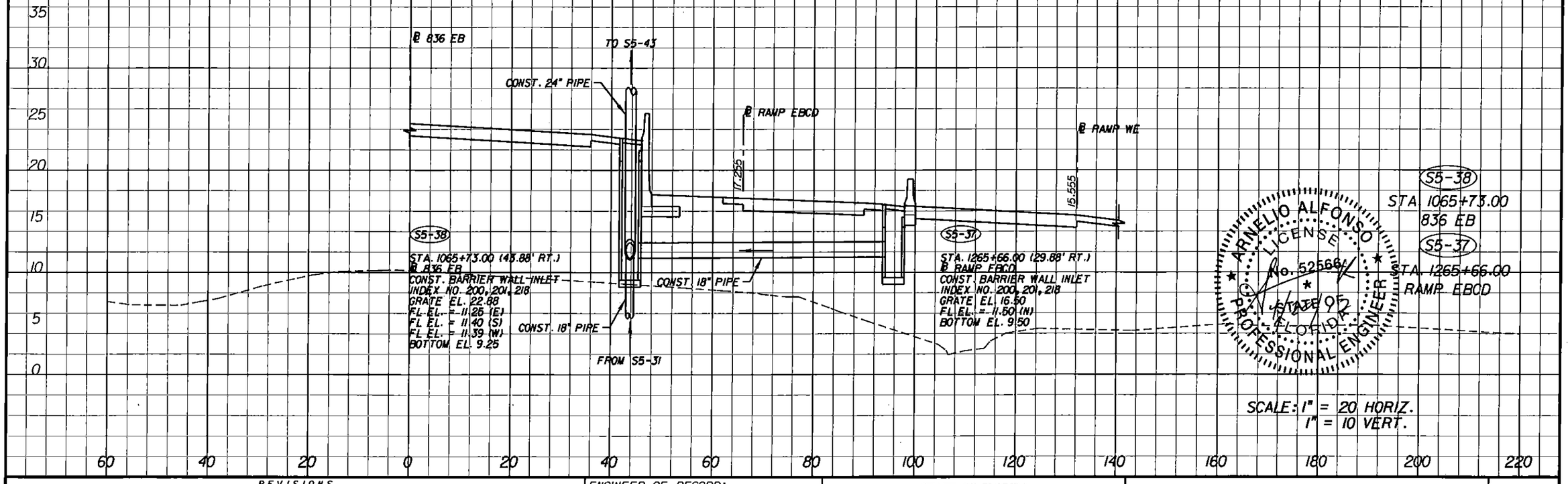
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

PLAN CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-68

nsanchez 3/25/2011 9:55:57 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-8594
CA No.: EB-0007791
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

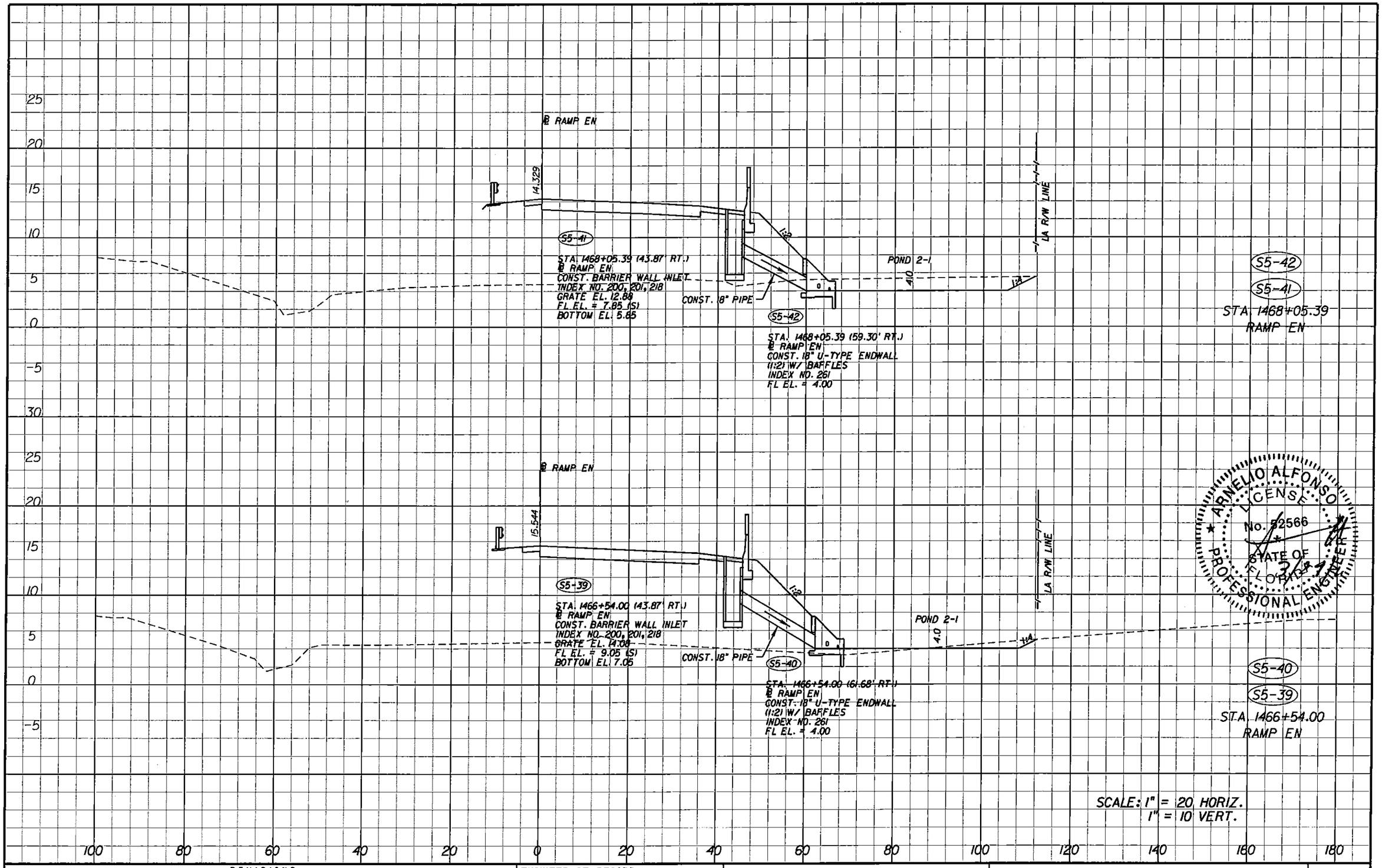
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-69

lferrero 4/20/2012 2:13:05 PM P:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / (fx): (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

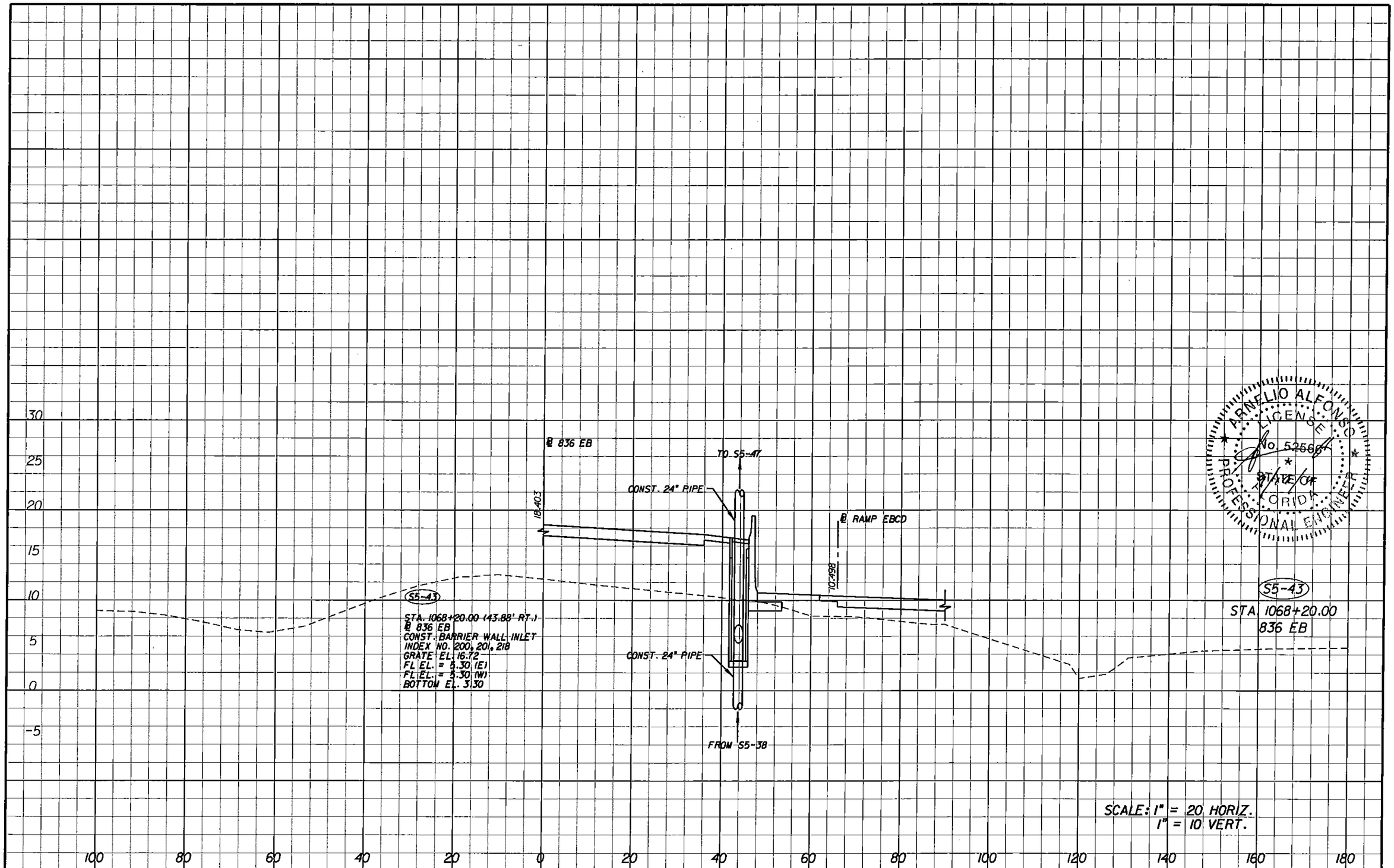
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-70

nsanchez 3/25/2011 10:00:55 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRNSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-8594
CA No. EB-0007197
Arnelio Alfonso, P.E. No. 52566

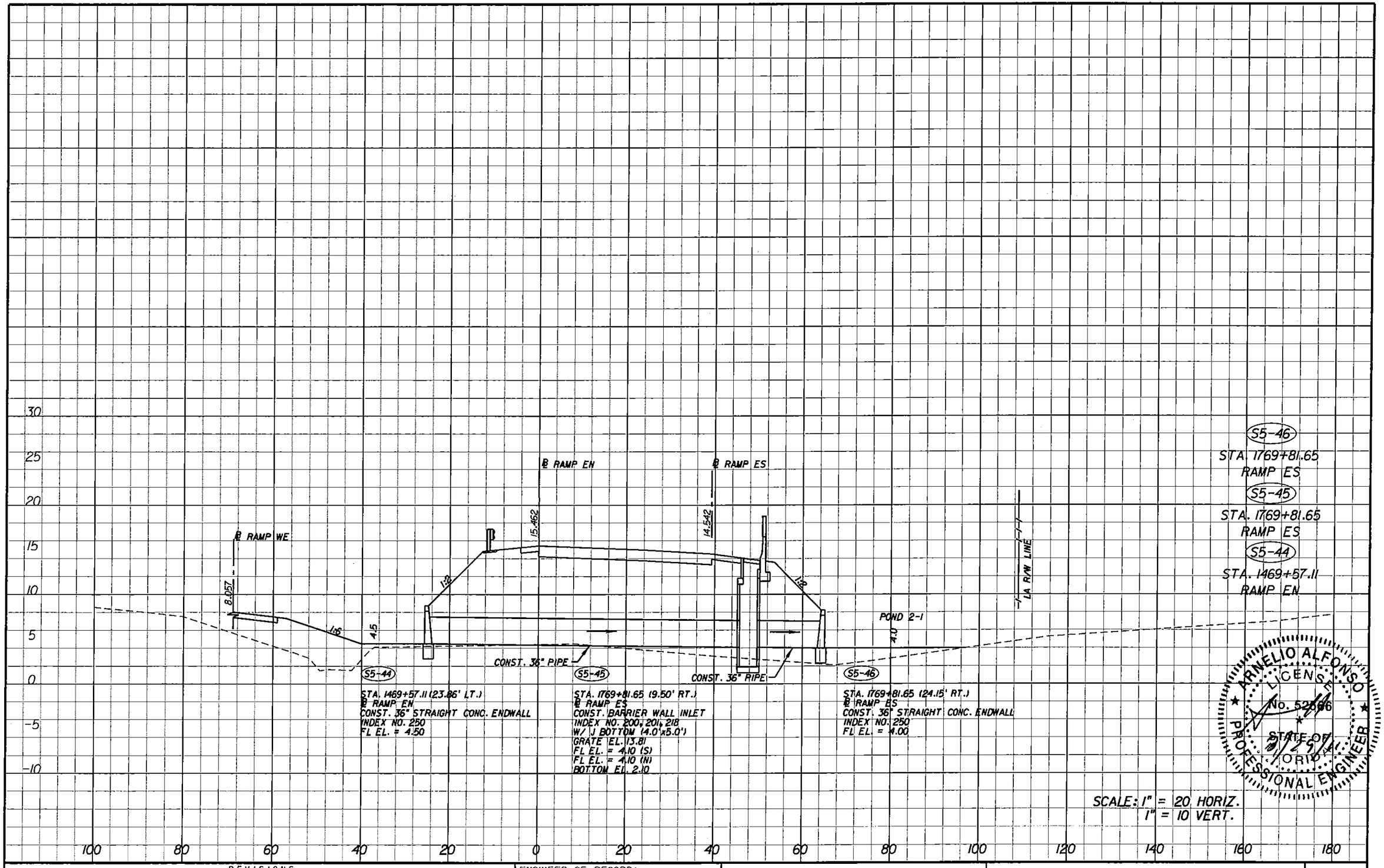
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 5-71

malfonso 9/16/2011 10:48:34 AM P:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite B5
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0005797
Arnelio Alfonso, P.E. No. 52566

ACT ENGINEERS

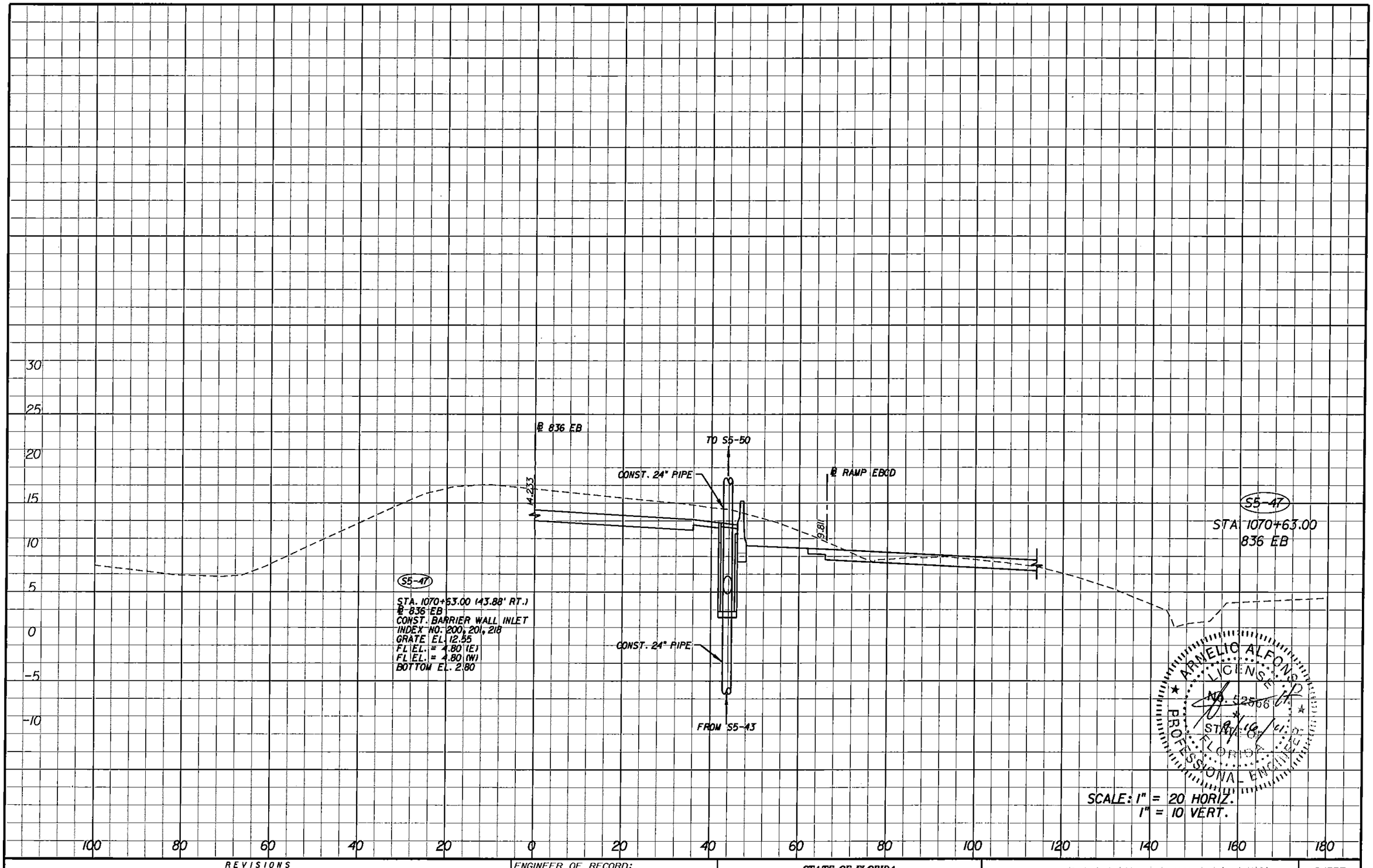
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-72



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 16
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007597
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

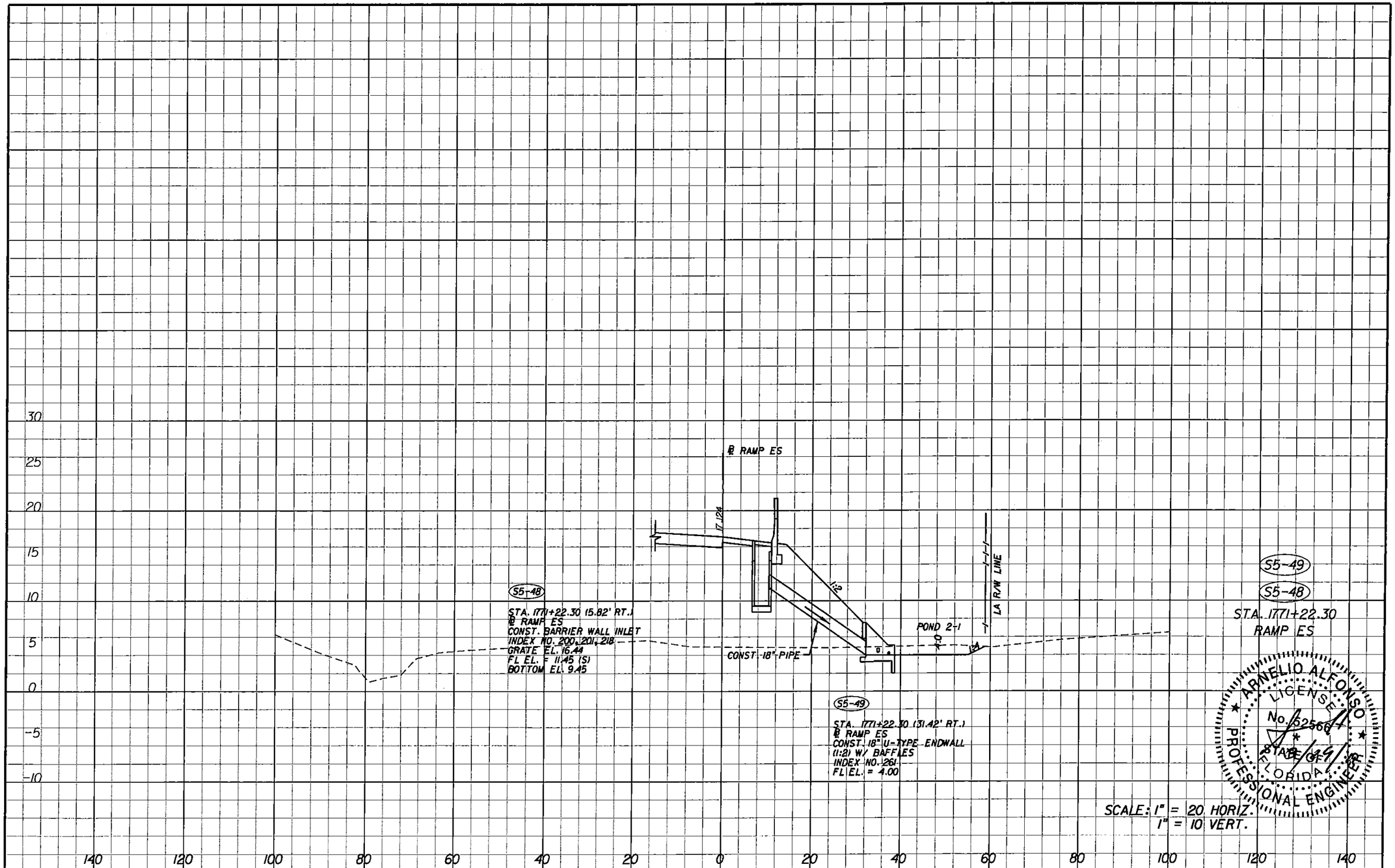
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-73

malfonso 9/16/2011 10:49:14 AM P:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



S5-49

S5-48

STA. 1771+22.30

RAMP ES

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

APCT ENGINEERS
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007951
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

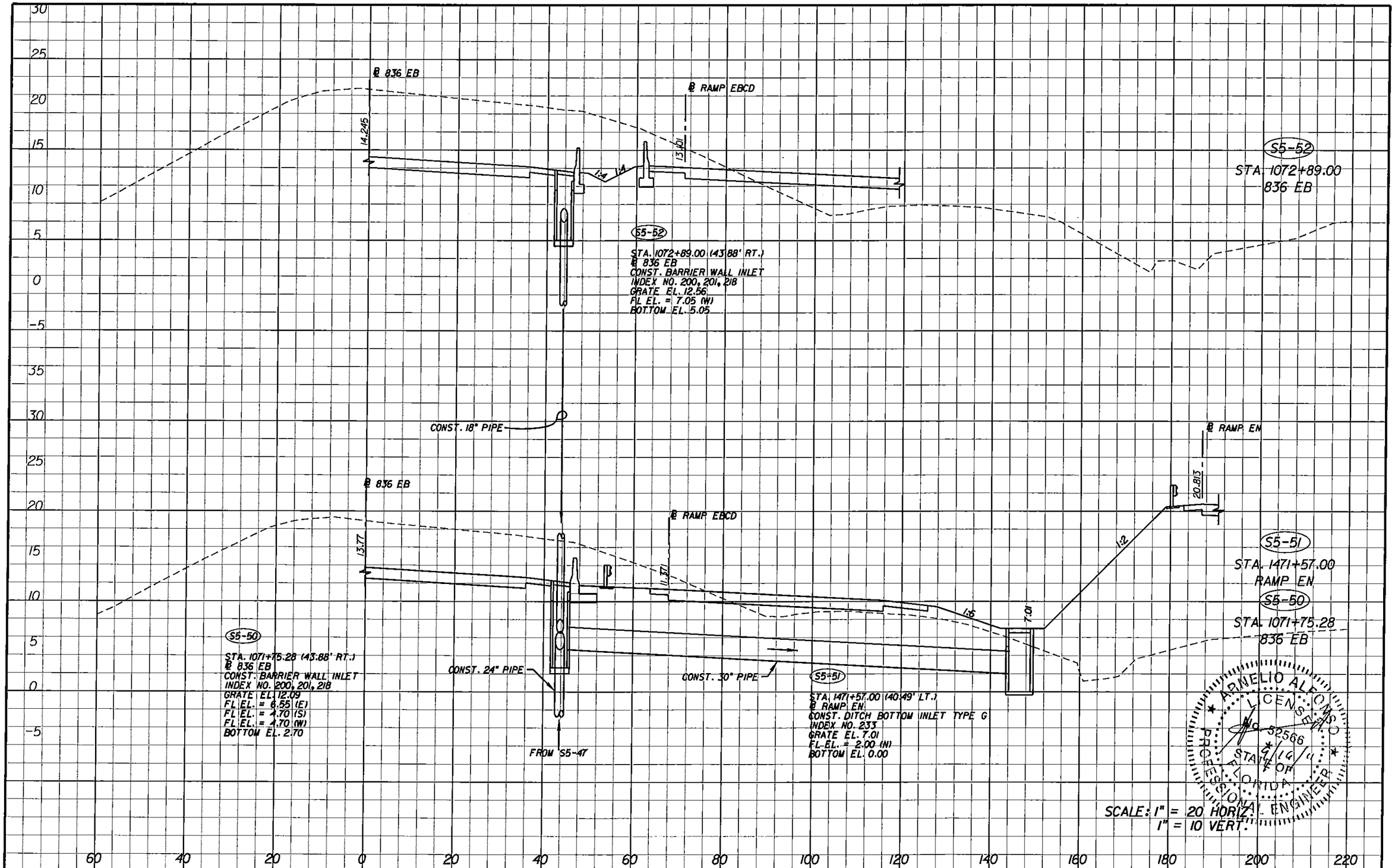
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-74

nsanchez 3/25/2011 10:06:05 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRYSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Doral, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

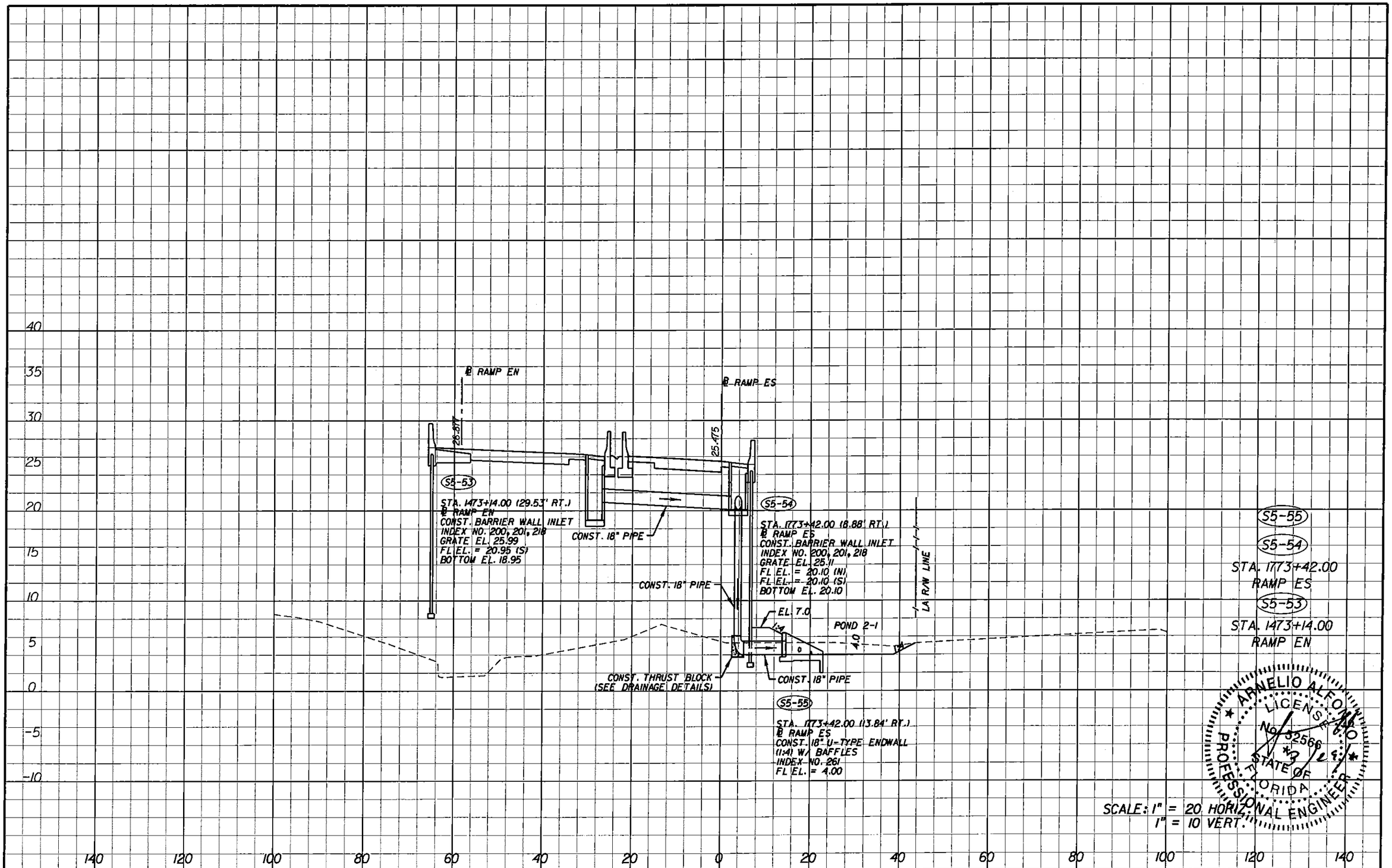
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-75

malfonso 9/16/2011 11:16:41 AM P:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSED
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-8594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

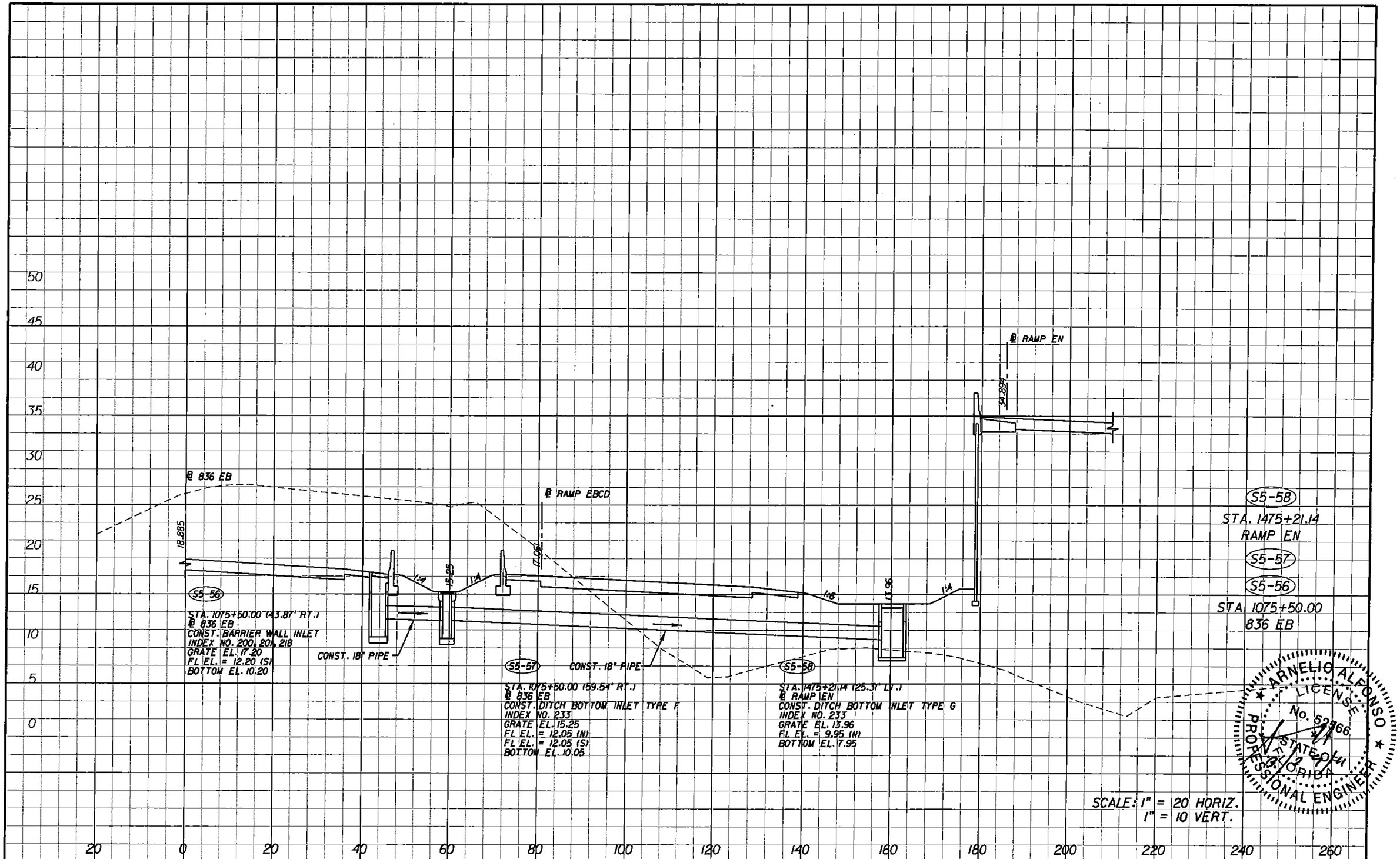
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-76

nsanchez 3/25/2011 10:08:44 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRYSTR001.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-8594
CA No. EB-0001791
Arnelio Alfonso, P.E. No. 52566

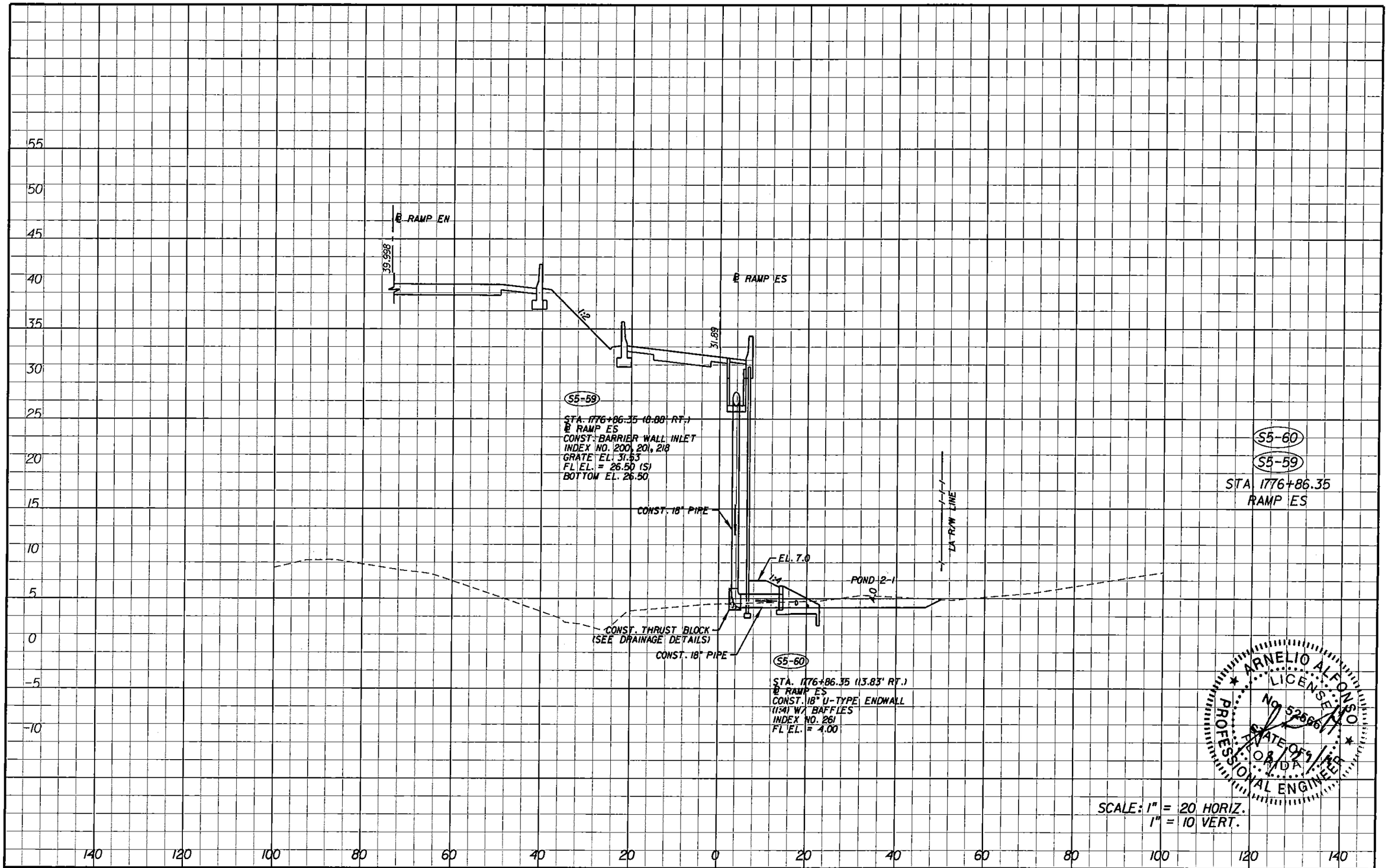
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

NOT RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-77

nsanchez 3/25/2011 10:09:56 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. 7, EB-0007797
Arnelio Alfonso, P.E. No. 52566

ENGINEERS

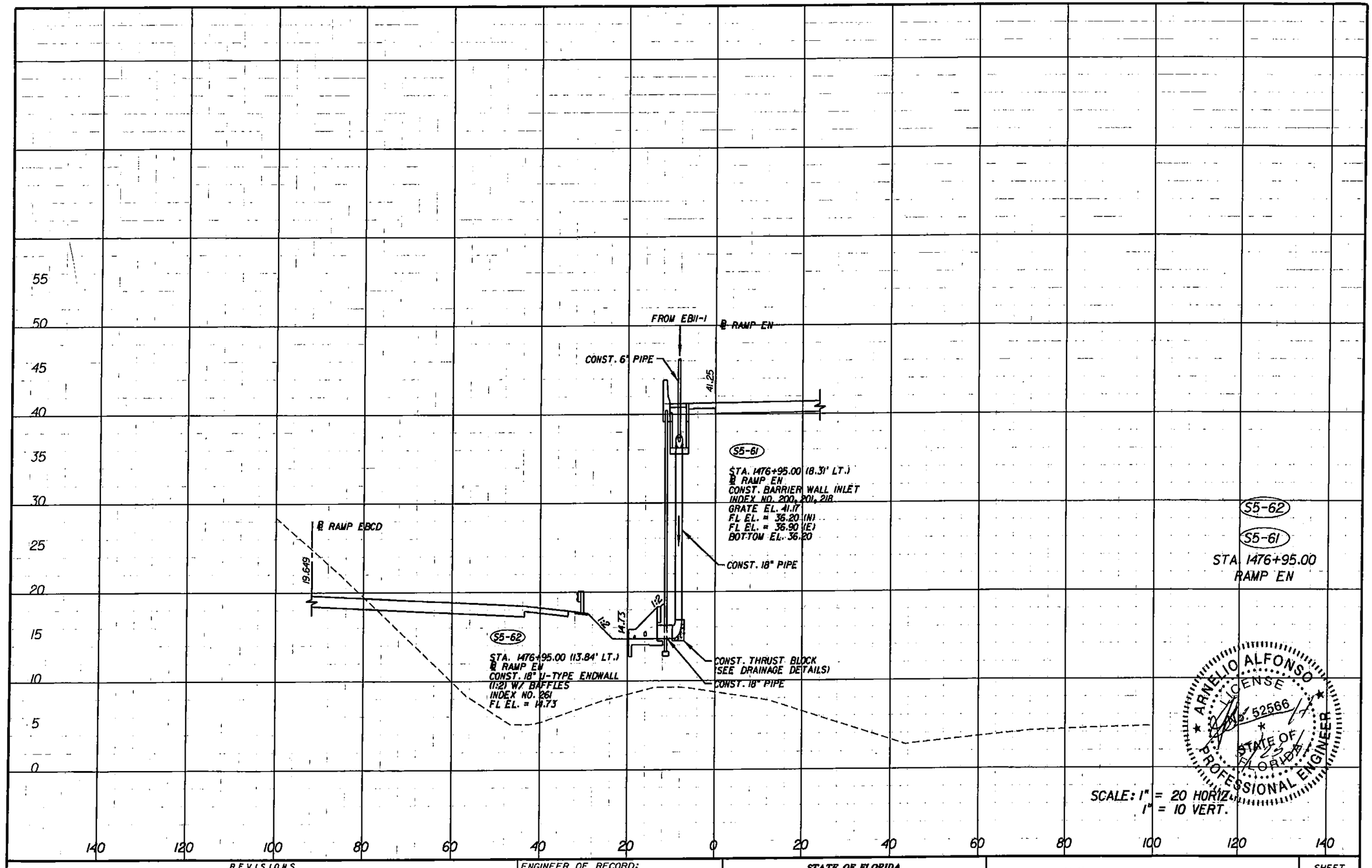
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-78

nsanchez 3/25/2011 10:11:01 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSR001.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
13305 N.W. 4l Street, Suite 105
Miami, FL 33178
(305) 592-7683 / fax: (305) 593-8594
EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

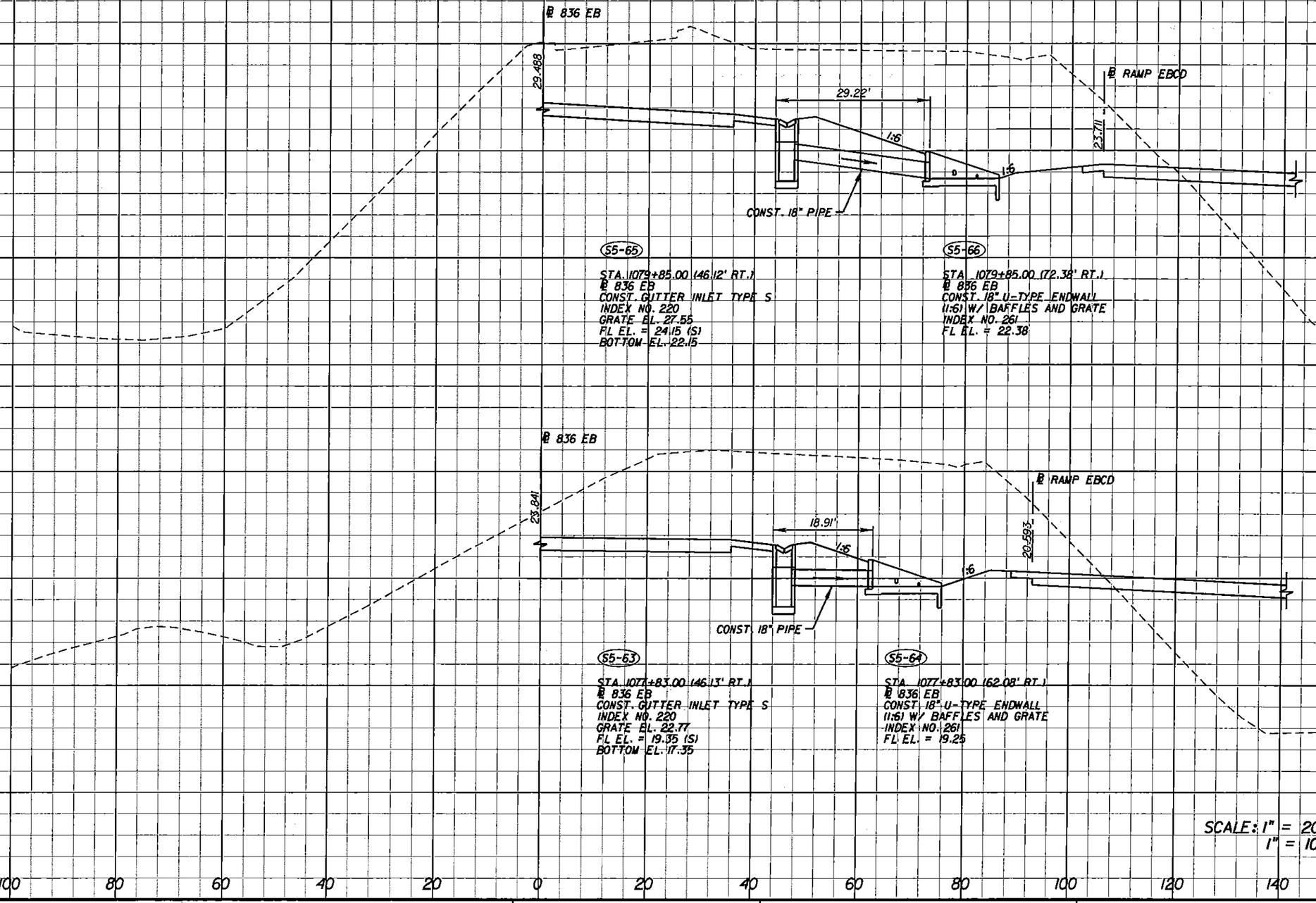
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-79

aalfonso 5/25/2011 2:05:00 PM P:\249581\5201-Section 5\Segment 5\Drainage\DRX5RD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0000787
Arnelio Alfonso, P.E. No. 52566

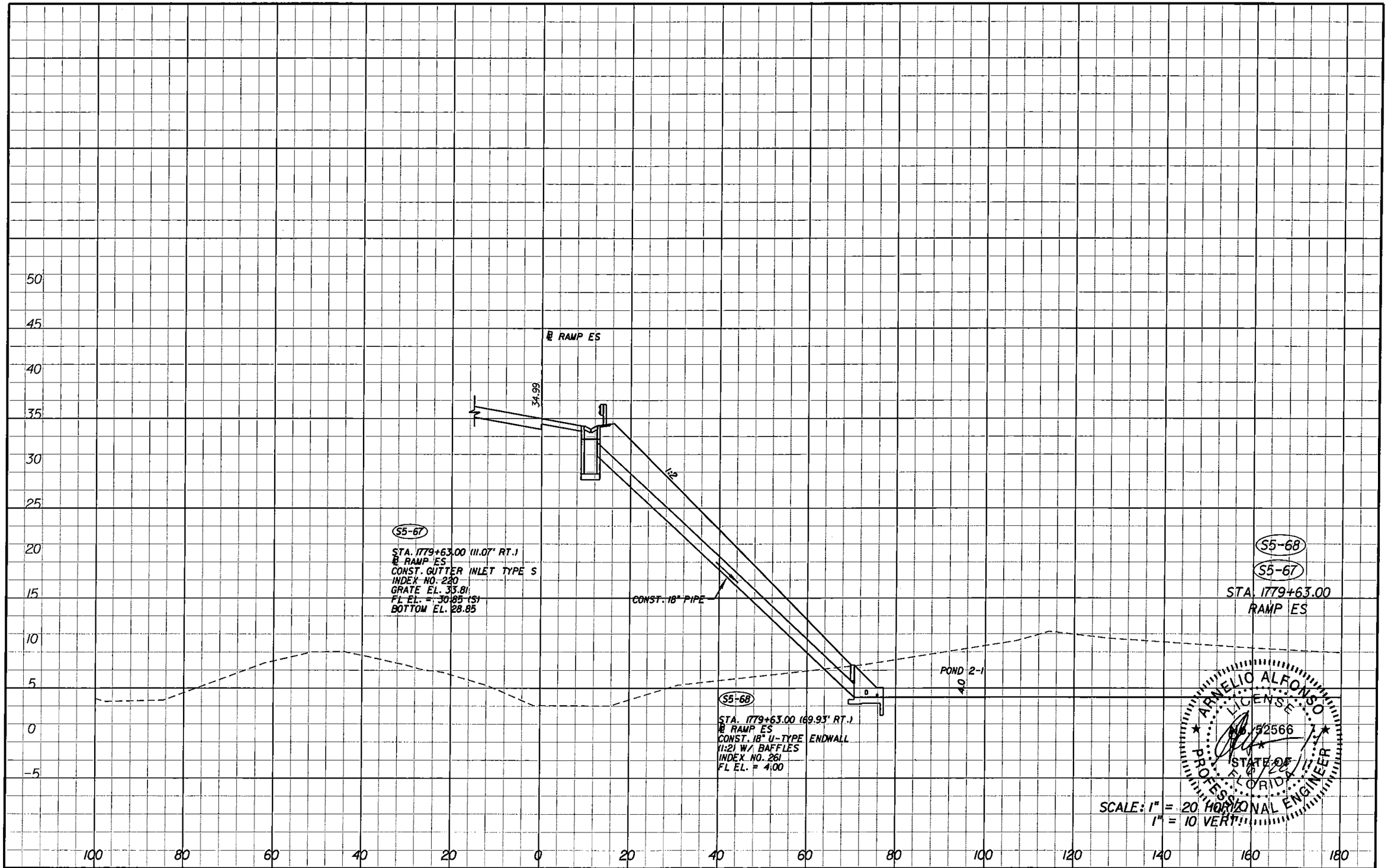
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 5-80

nsanchez 3/25/2011 10:44:05 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-8594
CA No. : EB-0007617
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

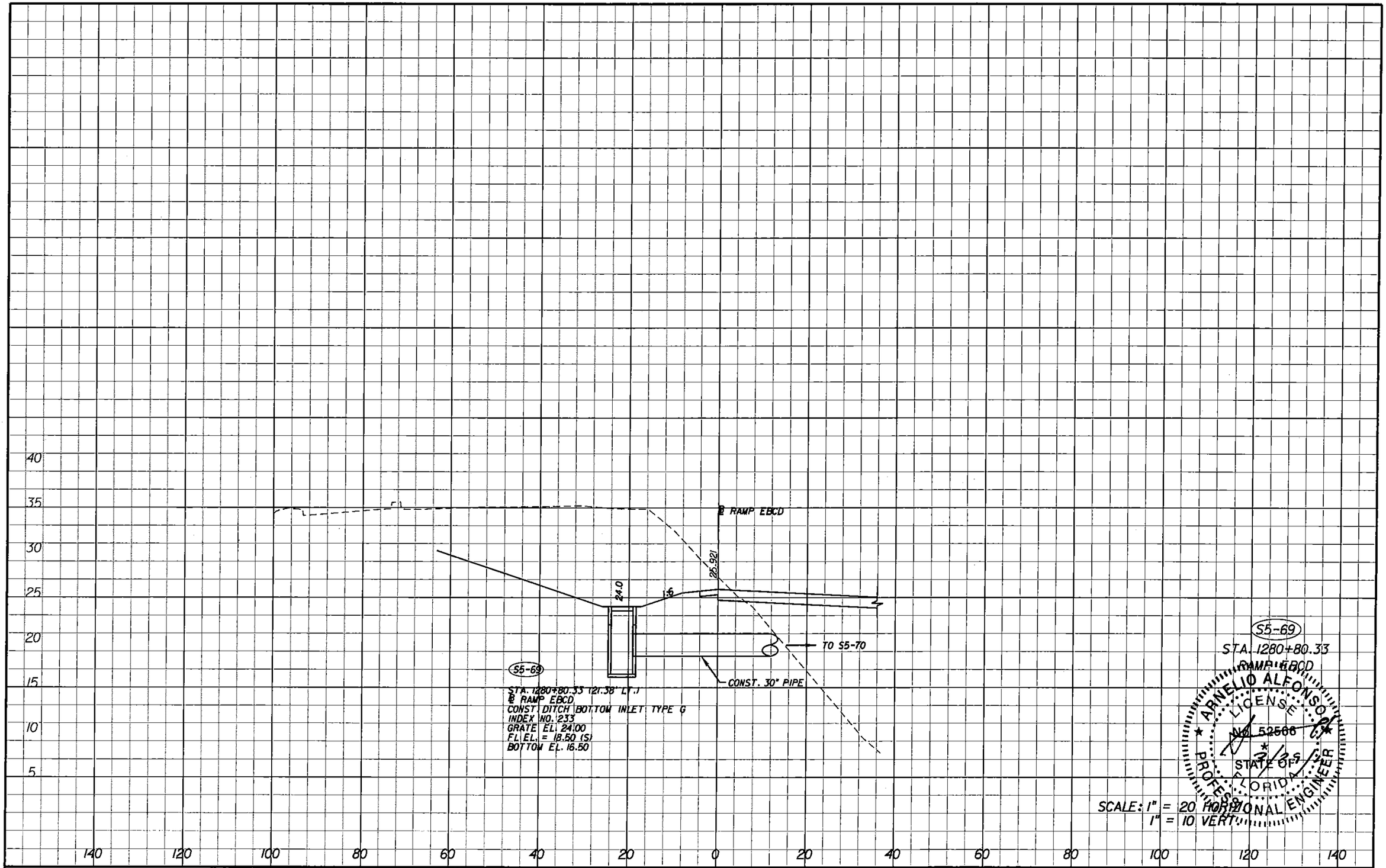
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-81

malfonso 6/28/2011 9:00:20 AM P:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

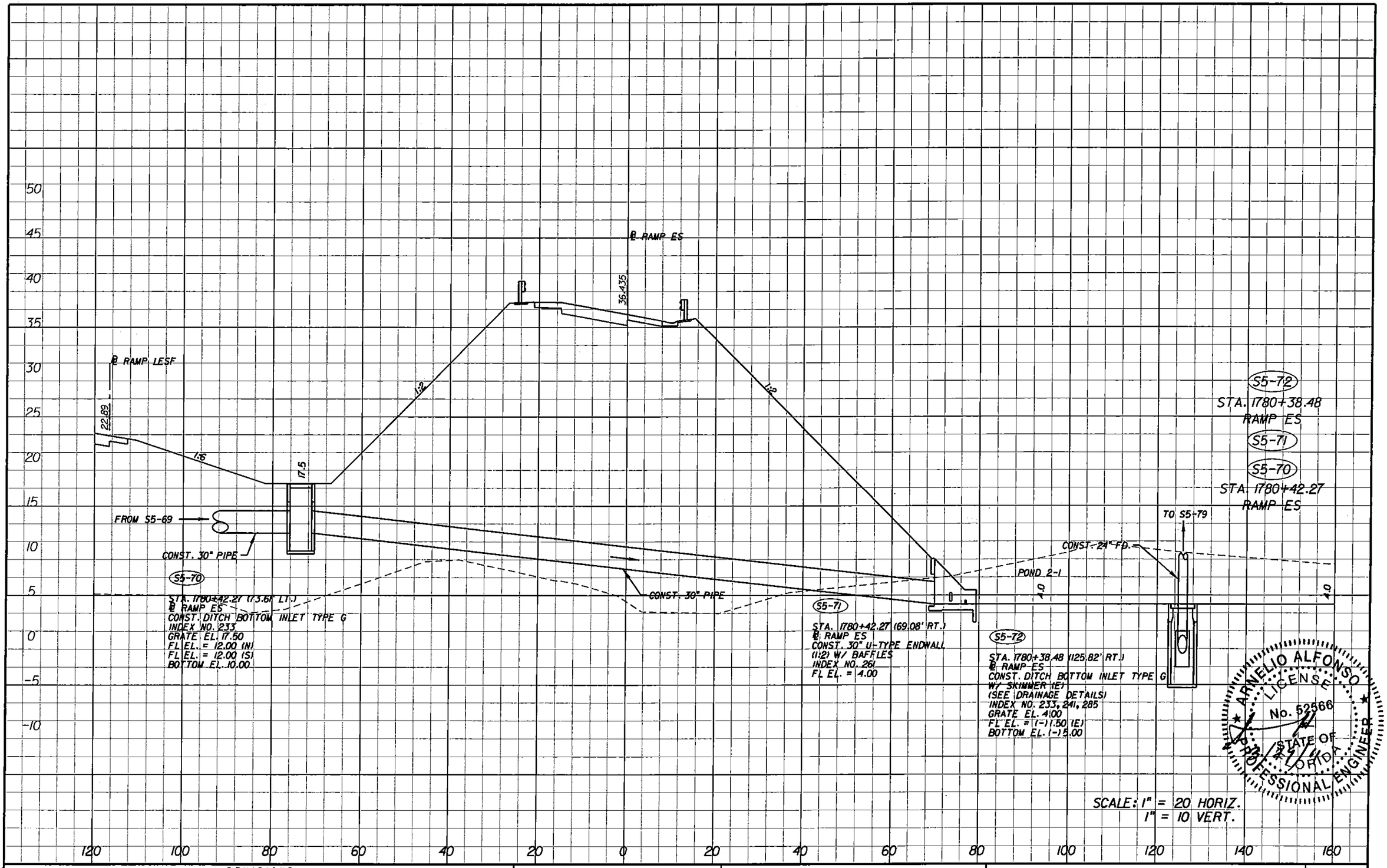
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-82

nsanchez 3/25/2011 10:27:35 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
13305 N.W. 4th Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007591
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

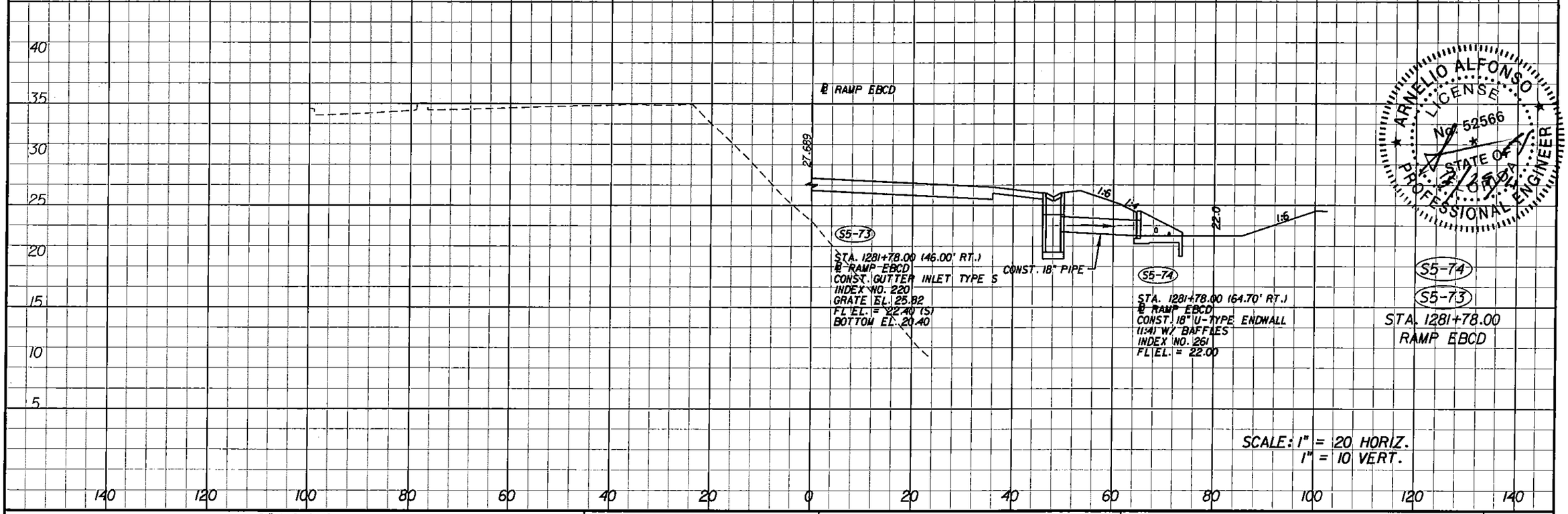
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-83

nsanchez 3/25/2011 10:29:04 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-6594
CA No. : EB-0009797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

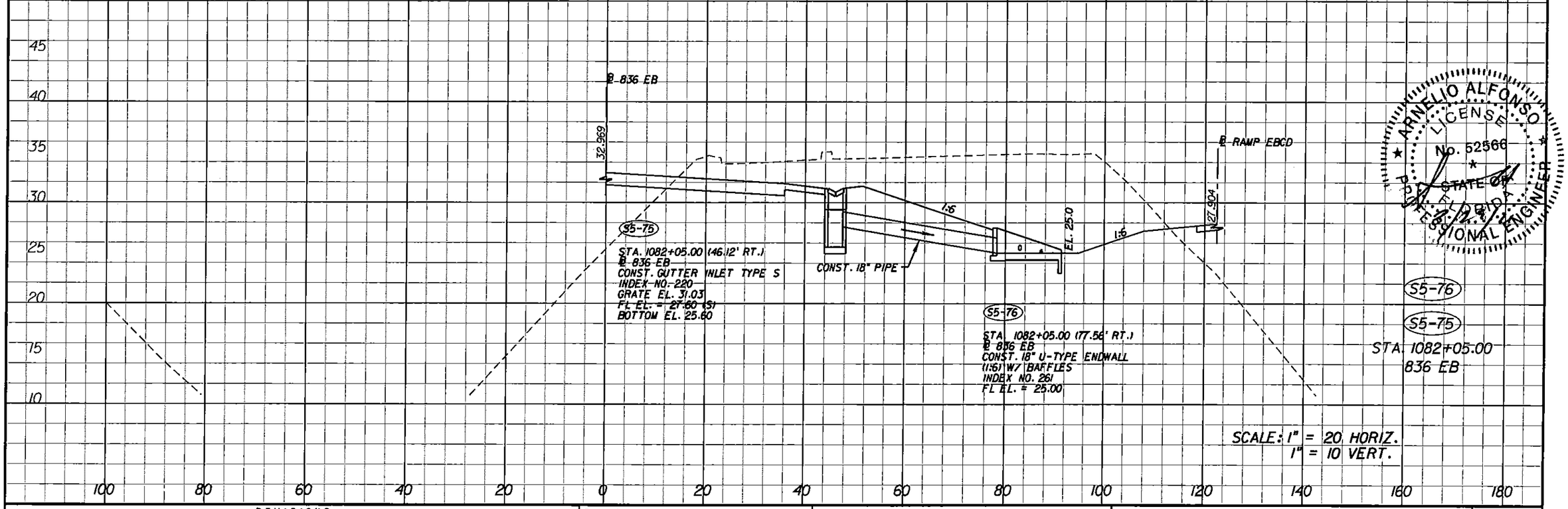
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-84

rsanchez 3/25/2011 10:30:50 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER 8/12/2011

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

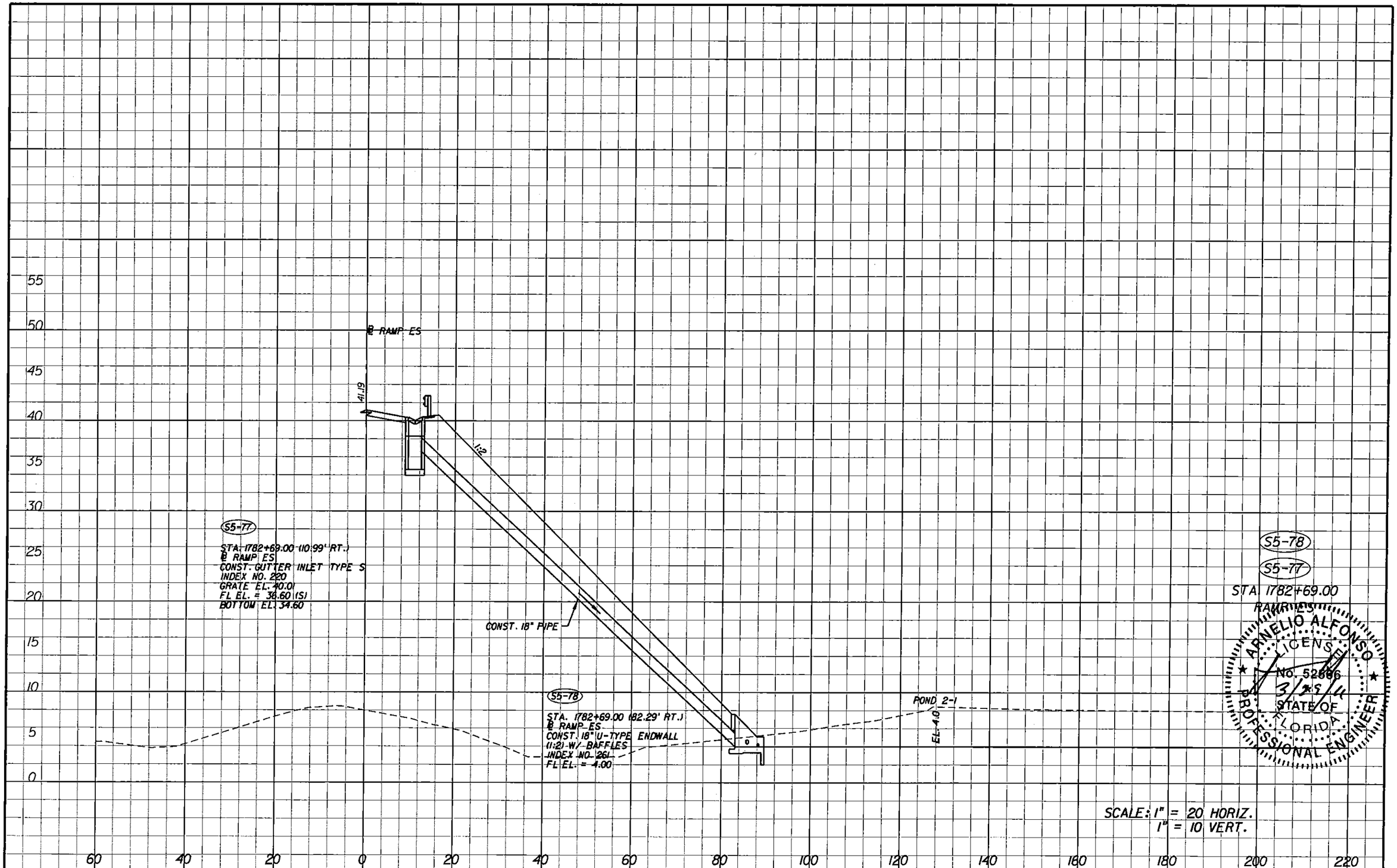
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Doral, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0001797
Arnello Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 5-85



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

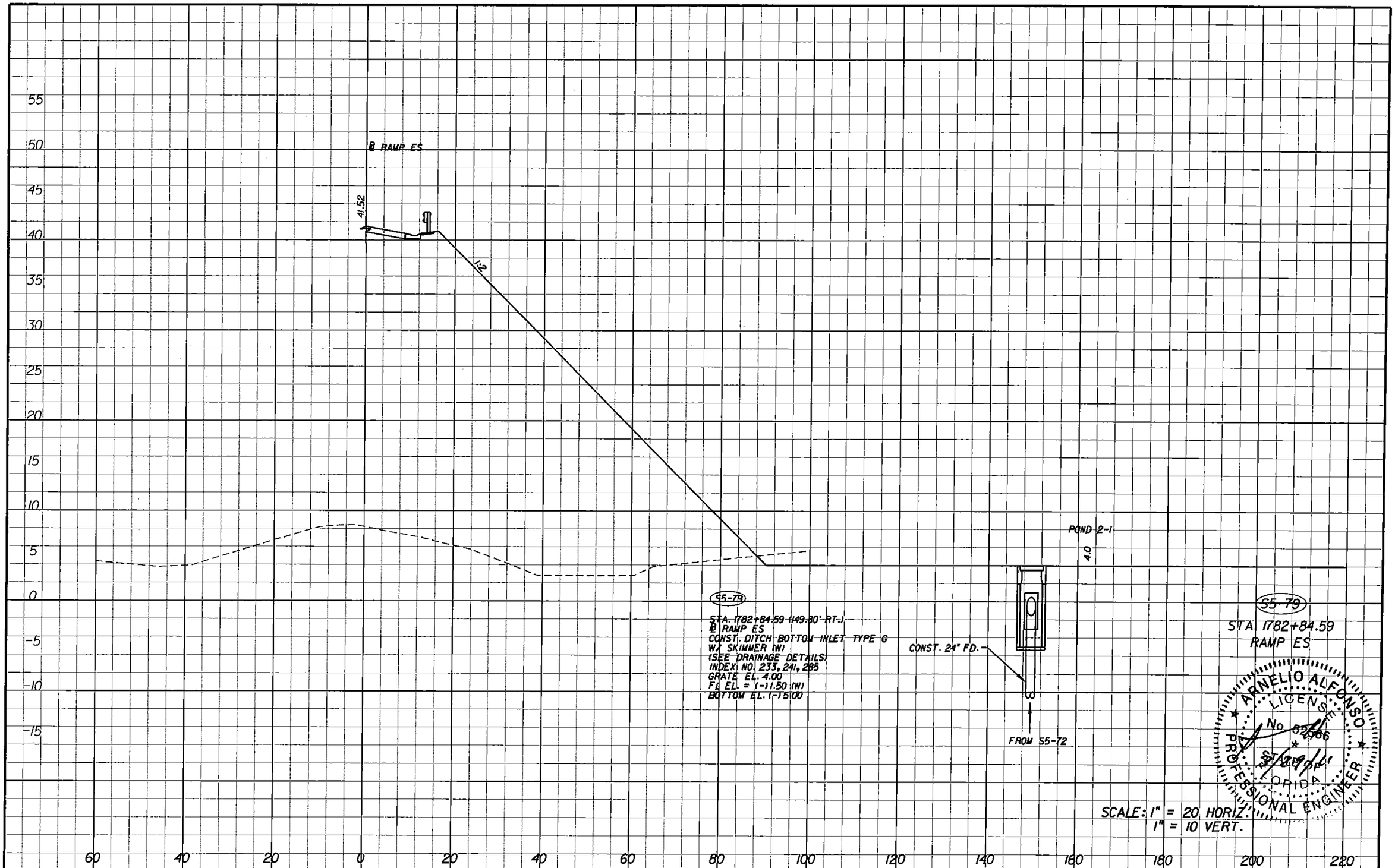
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-86

nsanchez 3/25/2011 10:34:33 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-8594
CA No. : EB-0001791
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

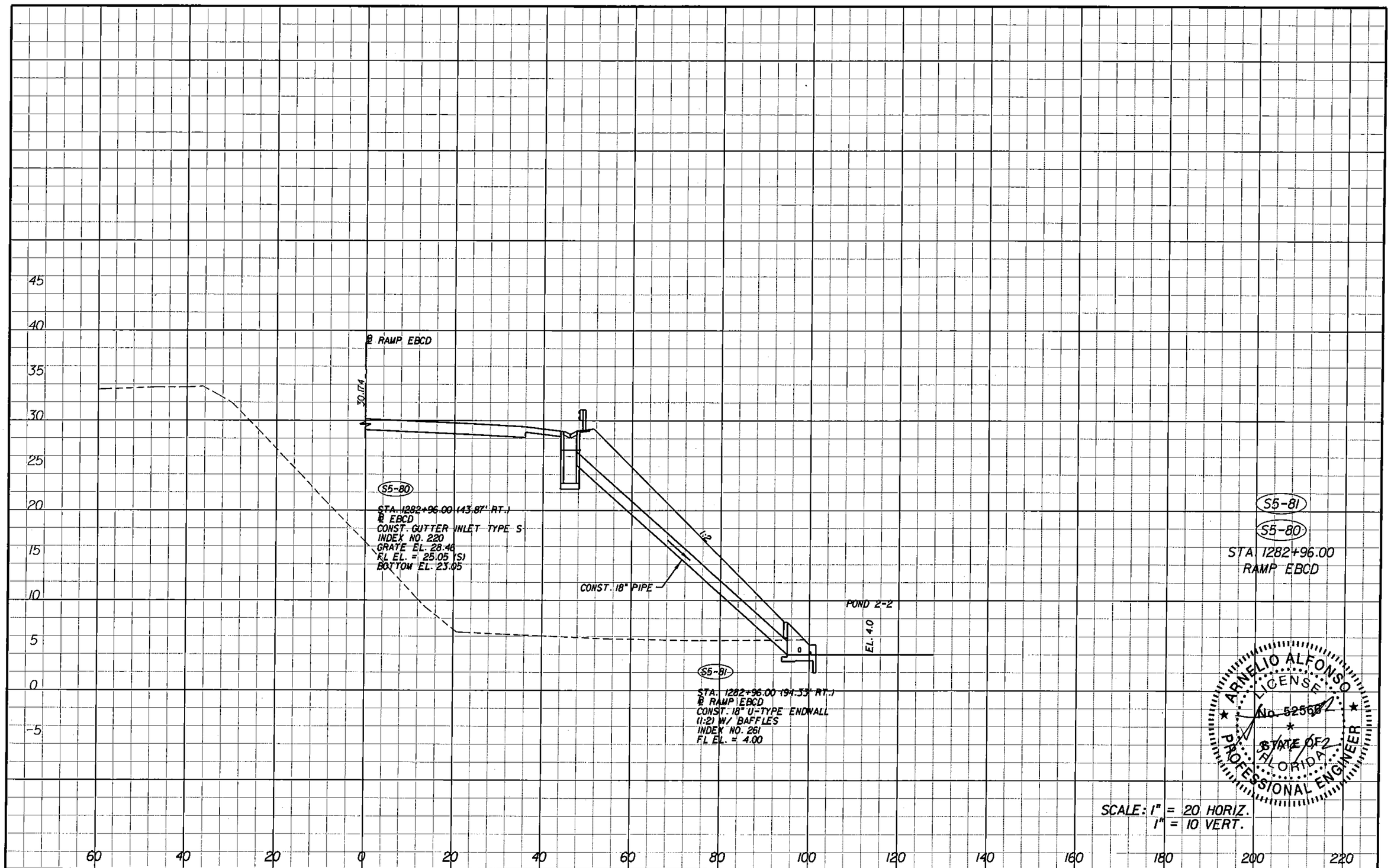
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 5-87

nsanchez 3/25/2011 10:37:24 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRX5RD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

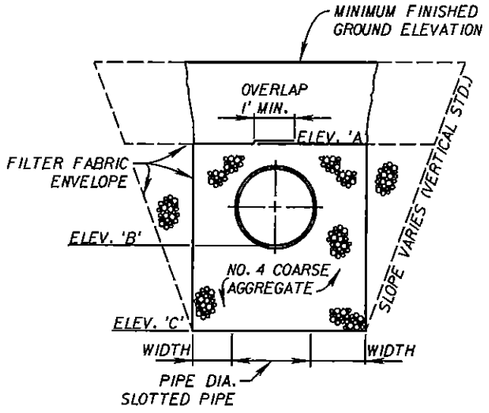
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

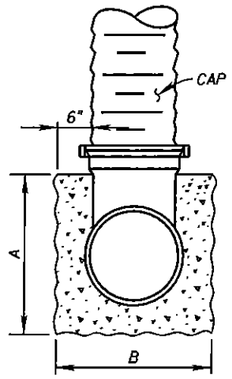
SHEET NO. 5-88

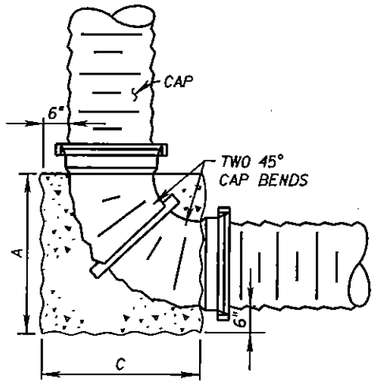
malfonso 3/15/2012 4:46:01 PM P:\249581\5201-Section 5\Segment 5\Drainage\DRXSRD01.DGN



ROUND PIPE SHOWN

STANDARD FRENCH DRAIN CROSS SECTION (ENLARGED)
N.T.S.





NOTE:
THRUST BLOCK IS TO BE CONSTRUCTED OF CLASS I CONCRETE. COST OF THRUST BLOCK AND CAP BENDS IS TO BE INCLUDED IN UNIT PRICE OF PIPE.

THRUST BLOCK DETAIL
N.T.S.

CONC. THRUST BLOCK SUMMARY TABLE

PIPE DIA.	A	B	C
18"	3'-0"	2'-6"	3'-0"

FRENCH DRAIN SECTION SUMMARY TABLE

FRENCH DRAIN SECTION	PIPE DIA.	ELEV. 'A'	ELEV. 'B'	ELEV. 'C'	WIDTH
S5-9 TO S5-12	24"	4.50	(-) 0.50	(-) 10.00	1.00'
S5-15 TO S5-19	24"	4.50	(-) 0.50	(-) 10.00	1.00'
S5-72 TO S5-79	24"	3.50	(-) 1.50	(-) 11.00	1.00'

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTE: (1) COST OF WEIR TO BE INCLUDED IN COST OF MANHOLE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

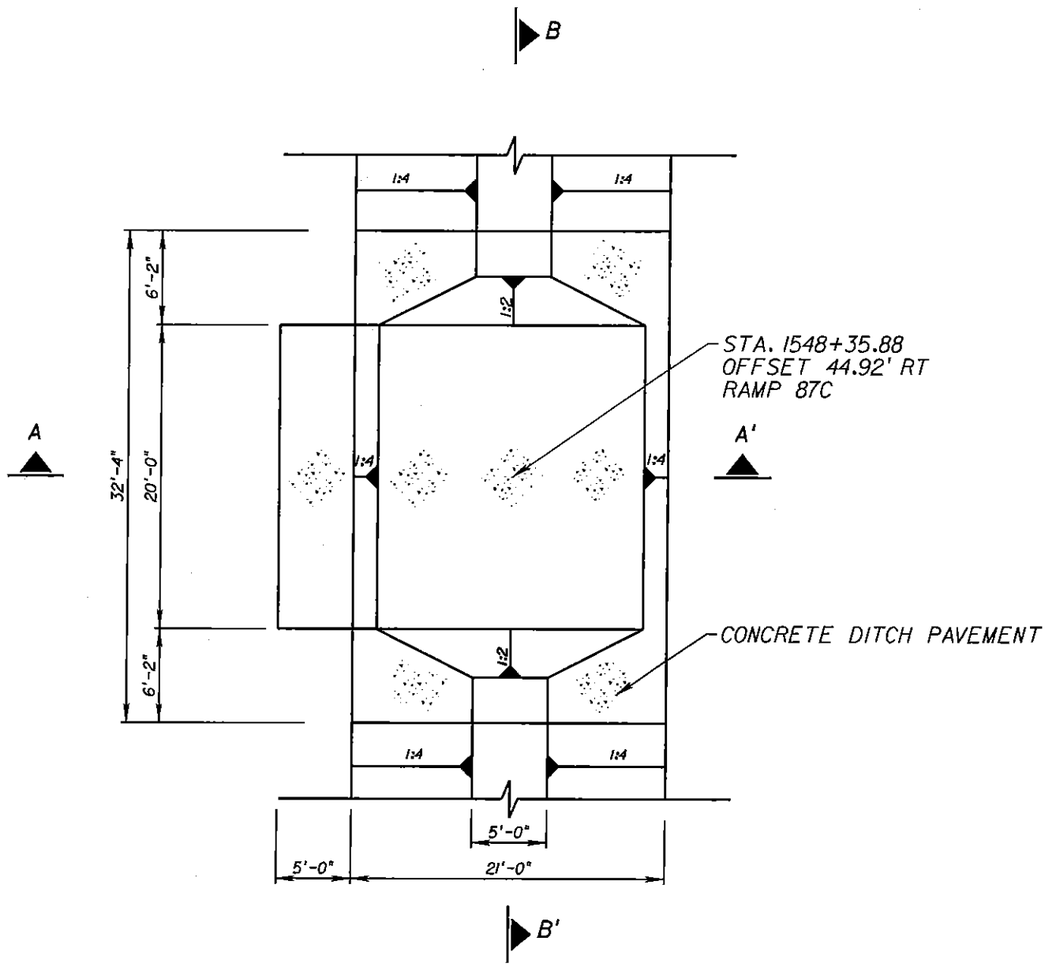
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

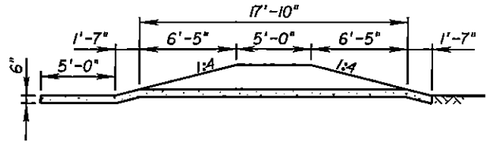
DRAINAGE DETAILS

SHEET NO. 5-89

nsanchez 3/29/2010 10:45:36 AM p:\249581\5201-Section 5\Segment 5\Drainage\DRDTRD00.dgn

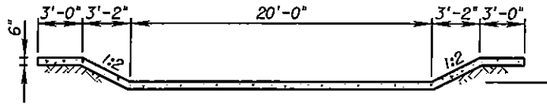


PLAN



TOP OF BERM 7.00
WEIR EL. 5.40 POND BOTTOM EL. 5.00

SECTION A-A'



TOP OF BERM 7.00
WEIR EL. 5.40

SECTION B-B'

OUTFALL STRUCTURE S5-4 (SPILLWAY DETAIL)

SCALE: 1"=10'

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0001791
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE DETAILS

SHEET NO. 5-90

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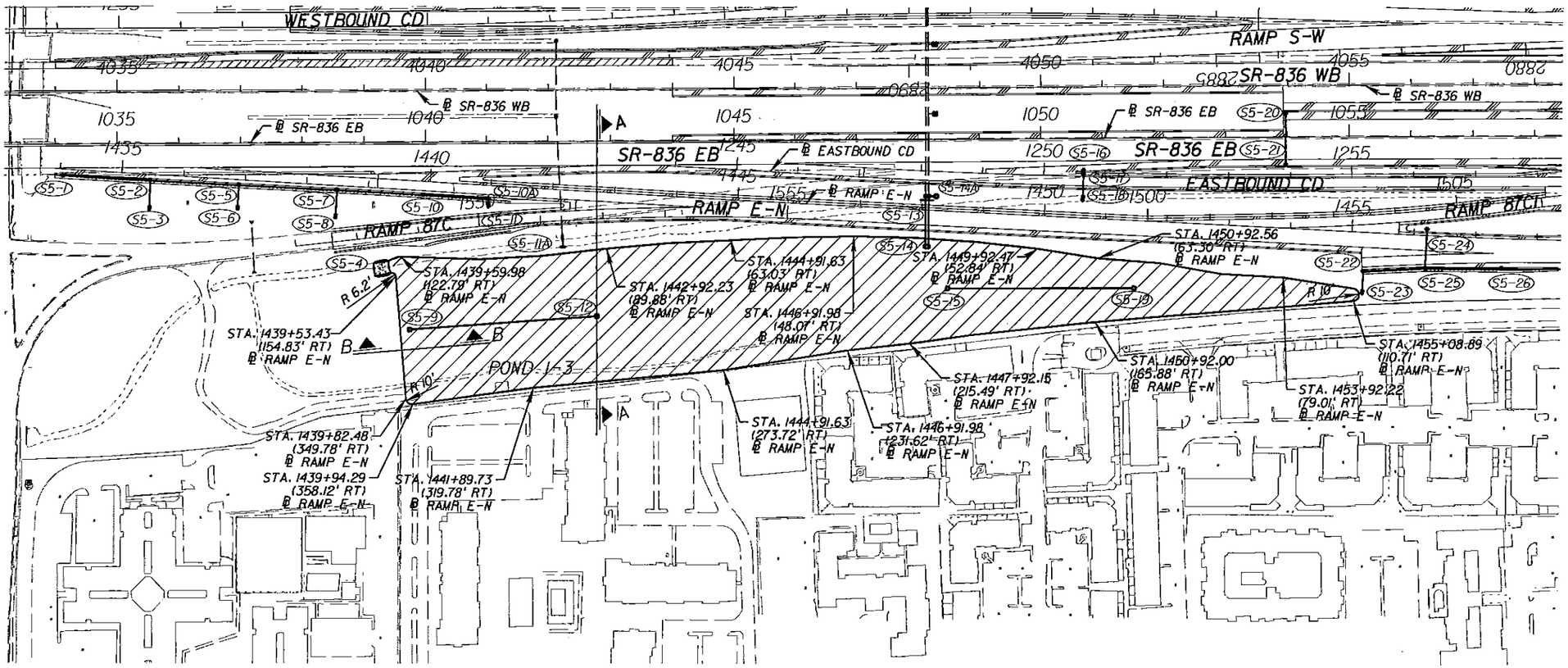
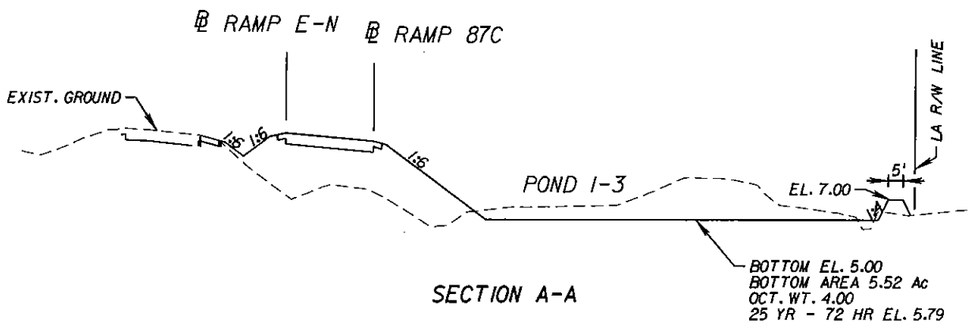
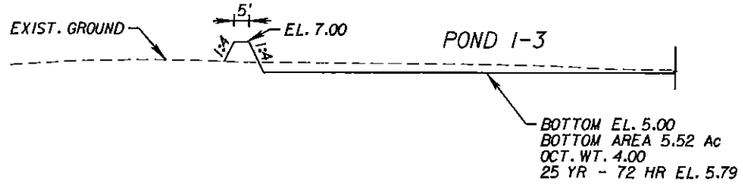




SECTION A-A

℄ SR-836 EB
STA. 1042+78.16
(N.T.S.)



SECTION B-B

℄ SR-836 EB
STA. 1439+81.52
(N.T.S.)

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
ENGINEERS
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

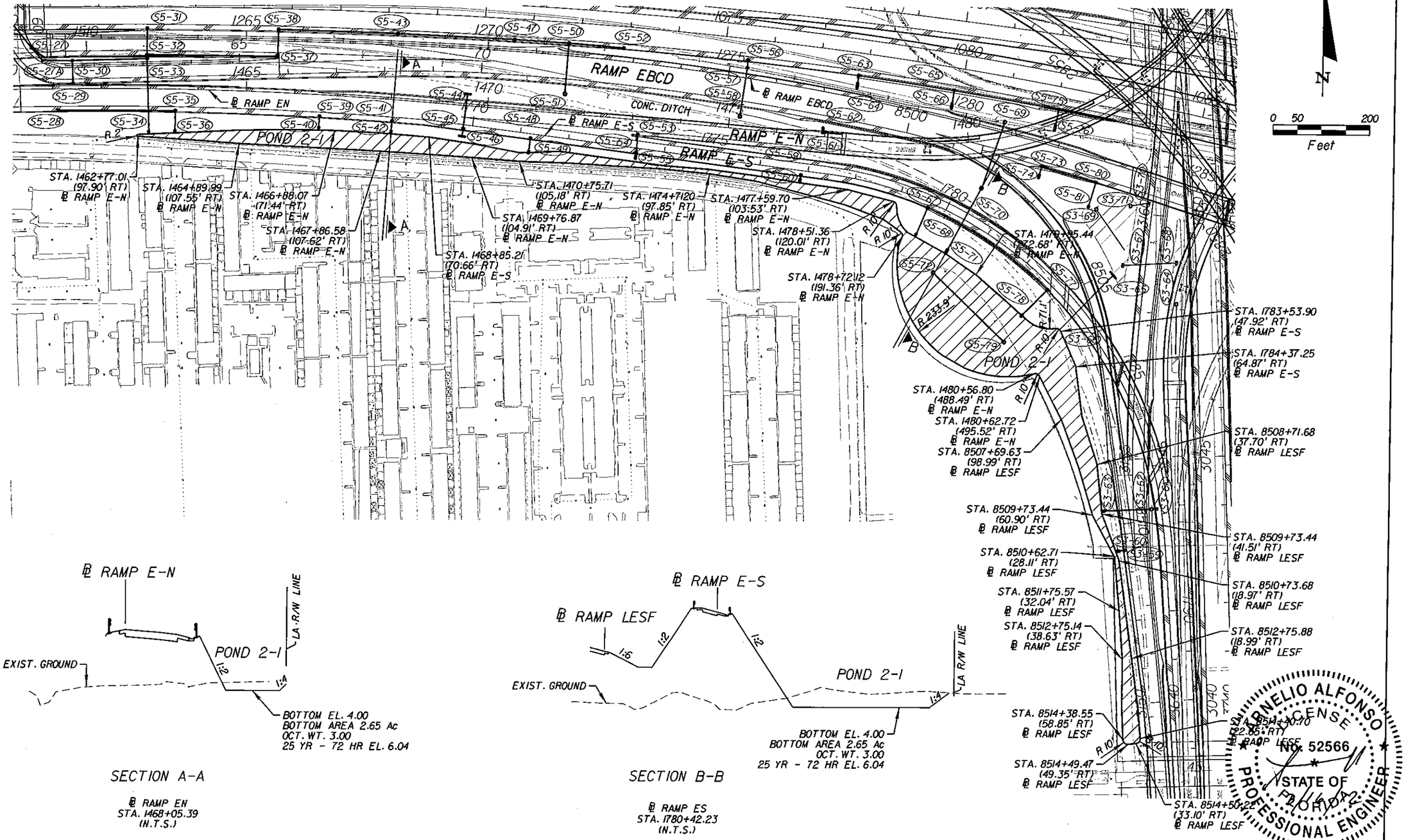
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

RETENTION POND DETAILS
POND 1-3

SHEET NO. 5-91

nsanchez 3/25/2011 10:53:42 AM p:\249581\5201-Section 5\Segment 5\Drainage\PDPLRD05-01.dgn



SECTION A-A

℄ RAMP EN
STA. 1468+05.39
(N.T.S.)

SECTION B-B

℄ RAMP ES
STA. 1780+42.23
(N.T.S.)

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-2283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

RETENTION POND DETAILS
POND 2-1

SHEET NO. 5-92

malfonso 3/16/2012 9:46:03 AM P:\249581\5201-Section 5\Segment 5\Drainage\PDPLRD05-02.dgn

137 RFC

#137 RFC
FINAL
May 9/11

COMPONENTS OF CONTRACT PLANS SET (SEGMENT 6)

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS
INTELLIGENT TRANSPORTATION SYSTEMS (ITS) PLANS
LIGHTING PLANS
LANDSCAPE PLANS
STRUCTURE PLANS

SUBMITTAL NO.
S06RDW-RFC

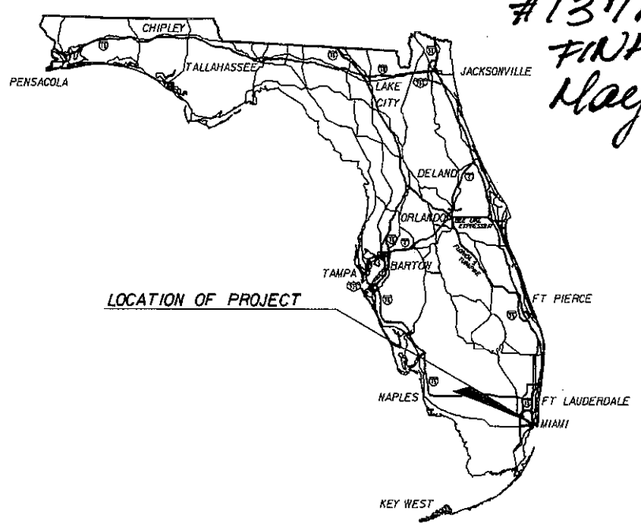
A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 249581-1-52-01
(FEDERAL FUNDS)
MIAMI-DADE COUNTY (87260)
STATE ROAD NO. 826 (PALMETTO EXPRESSWAY)
SR-826/SR-836 INTERCHANGE
SECTION 5

SEGMENT 6



INDEX OF ROADWAY PLANS

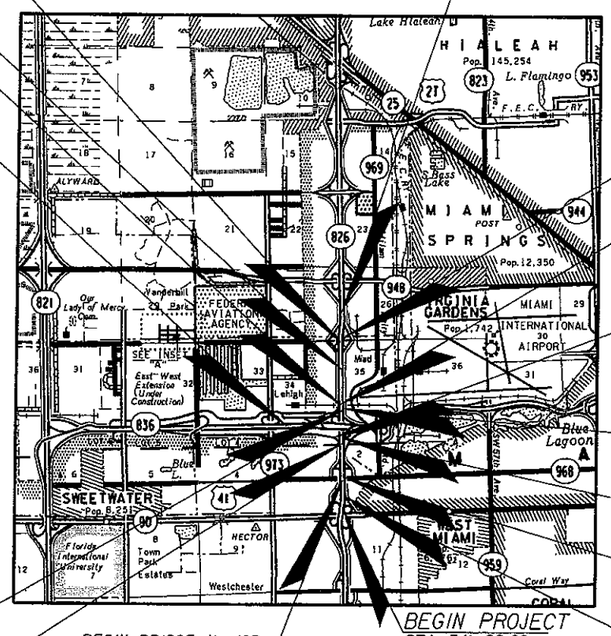
SHEET NO.		SHEET DESCRIPTION
6-1		KEYSHEET
6-2	- 6-7	TYPICAL SECTIONS
6-8		TYPICAL SECTION DETAILS
6-9	- 6-10	SUMMARY OF QUANTITIES
6-11	- 6-13	SUMMARY OF DRAINAGE STRUCTURES
6-14		OPTIONAL MATERIALS TABULATION
6-15		GENERAL NOTES
CTL-1	- CTL-4	PROJECT NETWORK CONTROL
CACD		COORDINATE AND CURVE DATA
CASD		COORDINATE AND SPIRAL DATA
6-16	- 6-19	ROADWAY PLANS
6-20	- 6-37	PROFILES
6-38	- 6-44	RAMP TERMINAL DETAILS
6-45	- 6-48	DRAINAGE PLANS
6-49	- 6-81	DRAINAGE STRUCTURES
6-82		DRAINAGE DETAILS
6-83	- 6-86	RETENTION PONDS DETAILS
6-87	- 6-88	CROSS SECTION PATTERN SHEET
6-89	- 6-134	CROSS SECTIONS
6-135		ROADWAY SOIL SURVEY
UA6-1	- UA6-4	UTILITY ADJUSTMENTS SHEETS

EQUATION
STA. 2097+81.66 @ S.R. 826 NB BACK=
STA. 171+94.87 ℄ SR-826 AHEAD

BEGIN BRIDGE
STA. 185+03.34
℄ SR-826

BEGIN BRIDGE No. 29B
STA. 2064+60.54
@ SR-826 NB

BEGIN SEGMENT 6
BEGIN CONSTRUCTION
STA. 4034+00.00
@ SR-836 WB



END PROJECT
STA. 208+50.00
℄ SR-826

END BRIDGE
STA. 186+40.34
℄ SR-826

END BRIDGE No. 29B
STA. 2065+77.60
@ SR-826 NB

END SEGMENT 6
STA. 4083+35.00
@ S.R.-836 WB

END BRIDGE No. 30B
STA. 2059+76.96
@ SR-826 NB

END BRIDGE No. 43
STA. 2038+87.55
@ SR-826 NB

END BRIDGE No. 16B
STA. 2013+47.49
@ SR-826 NB

EQUATION
STA. 2000+00.00 @ S.R. 826 N.B. AHEAD=
STA. 353+00.64 ℄ SR-826 BACK

BEGIN BRIDGE No. 30B
STA. 2058+37.31
@ SR-826 NB

BEGIN BRIDGE No. 43
STA. 2037+64.55
@ SR-826 NB

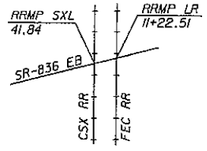
BEGIN BRIDGE No. 16B
STA. 2011+77.13
@ SR-826 NB

BEGIN PROJECT
STA. 341+22.00
℄ SR-826
M.P. 6.064

PROJECT LENGTH IS BASED ON @ S.R. 826 NB & ℄ OF CONSTRUCTION

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2008,
AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2007,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 7-1-09
For Design Standards Modifications click on "Design Standards" at the following web site:
http://www.dot.state.fl.us/rddesign/



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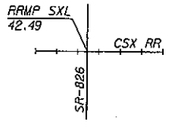
CSXT RR CROSSING No. 628534F



CSX RR CROSSING No. 628537B

LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	13,928.36	2.638
BRIDGES	687.07	0.130
NET LENGTH OF PROJECT	14,615.43	2.768
EXCEPTIONS	0.00	0.00
GROSS LENGTH OF PROJECT	14,615.43	2.768

FDOT PROJECT MANAGER: ALI TOGHIANI, P.E.

KEY SHEET REVISIONS

DATE	DESCRIPTION

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

JOSE MUNOZ, P.E.
BCC ENGINEERING
7300 N KENDALL DRIVE,
SUITE 400
MIAMI, FL 33156
PH: (305) 670-2350

PLANS PREPARED BY:

bcc engineering
7300 N Kendall Drive, Suite 400
Miami, Florida 33156
Phone: (305) 670-2350
Fax: (305) 670-2351

Certificate of Authorization No. 7184
Contract No. E-8F61 .
Vendor Identification No. 65-0540466

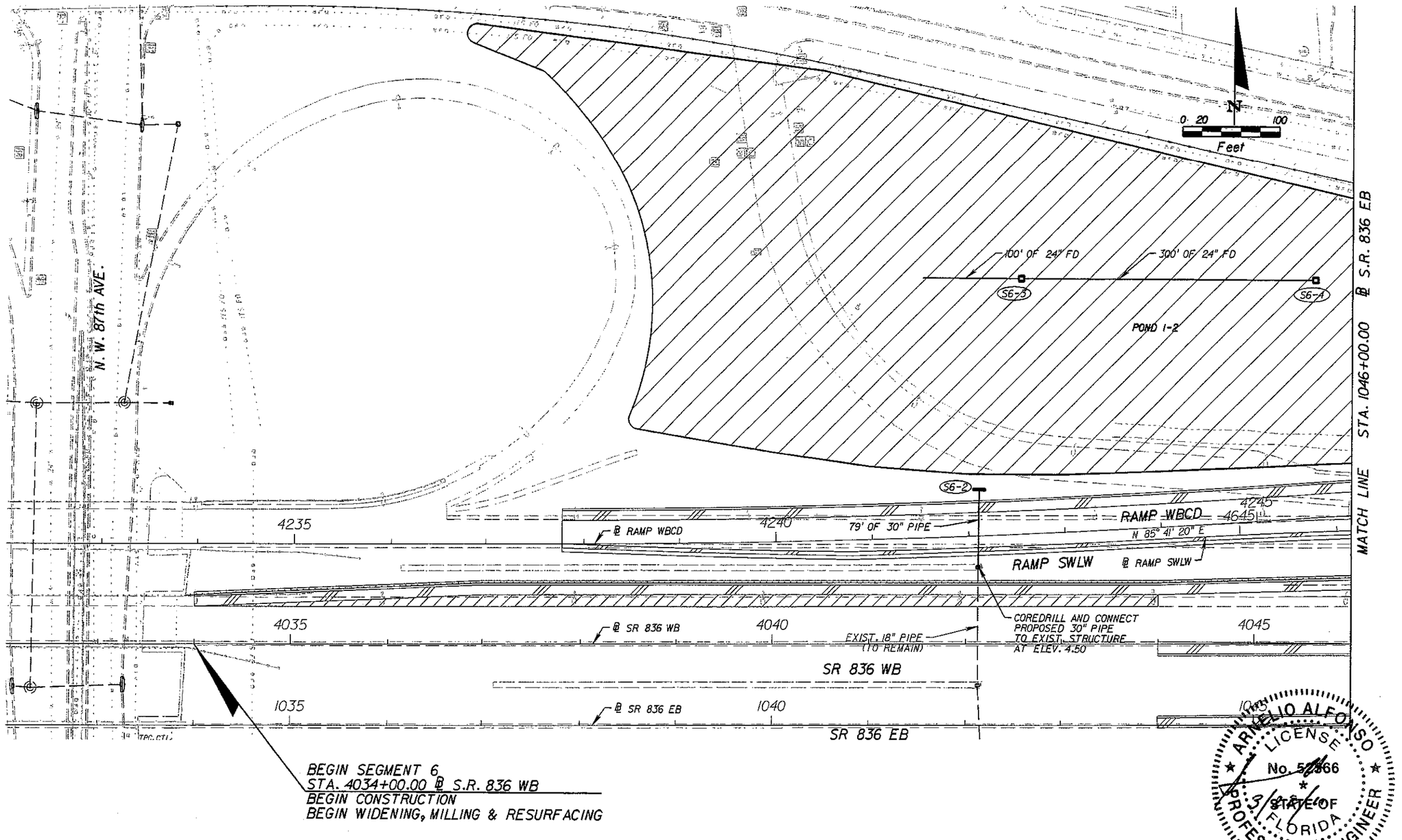
NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

JOSE ANTONIO MUNOZ
LICENSE
No. 58714
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/11

ROADWAY PLANS ENGINEER OF RECORD: JOSE MUNOZ . PE.
P.E. NO.: 58714

RELEASED FOR CONSTRUCTION

FISCAL YEAR	SHEET NO.
09	6-1



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
3/10/2011

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 503-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

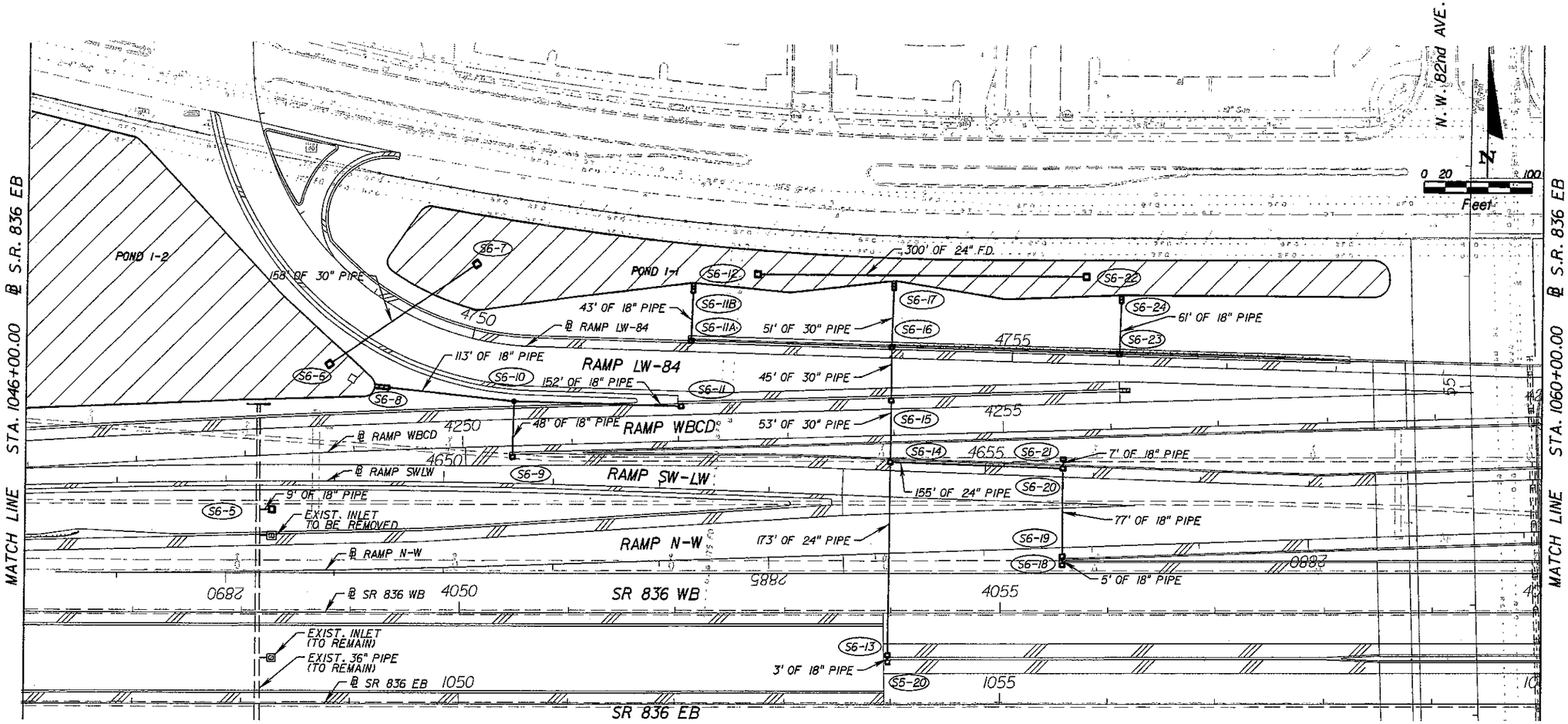
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE PLANS

SHEET NO. 6-45

malfonso 3/10/2011 9:12:21 AM P:\249581\5201-Section 5\Segment 6\drainage\DRPLAN06-01.dgn



ARNELIO ALFONSO
LICENSE
No 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

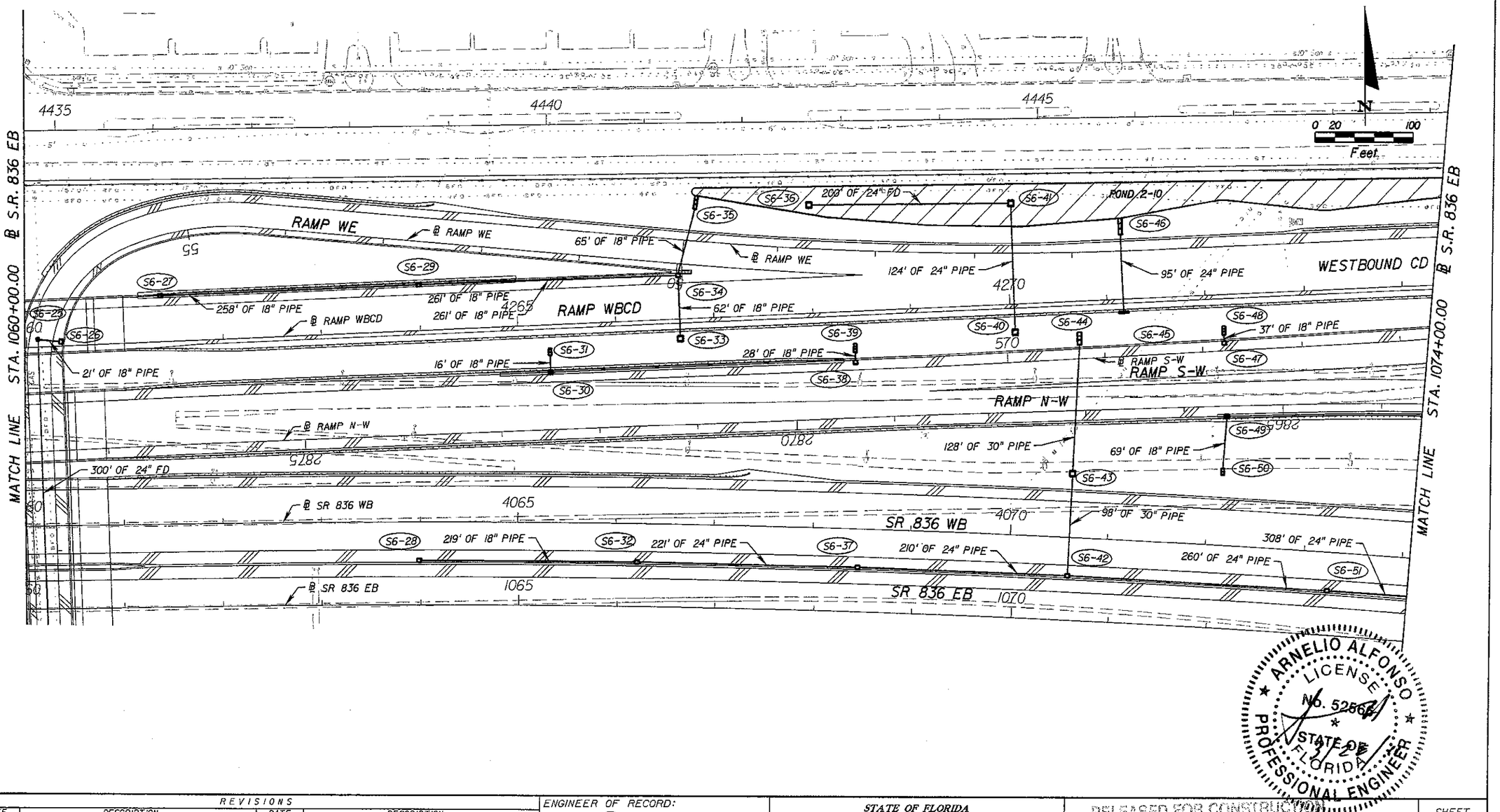
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE PLANS

SHEET NO. 6-46

malfonso 3/9/2011 2:30:22 PM P:\249581\5201-Section 5\Segment 6\drainage\DRPLAN06-02.dgn



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

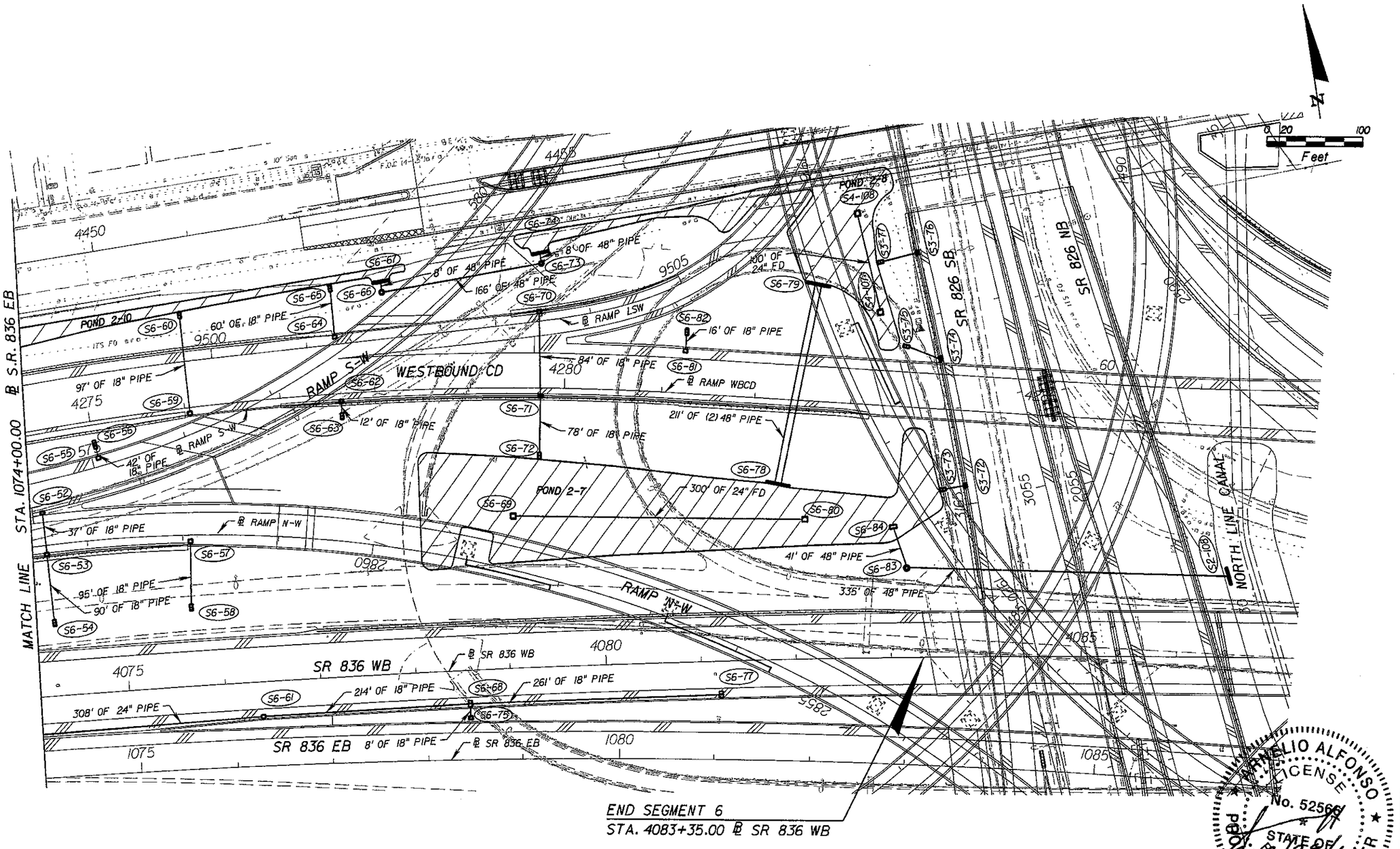
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE PLANS

SHEET NO. 6-47

malfonso 3/9/2011 2:31:12 PM P:\249581\5201-Section 5\Segment 6\drainage\DRPLAN06-03.dgn


N
0 20 100
Feet
MATCH LINE STA. 1074+00.00
℄ S.R. 836 EB
4450
4450
9505
9500
4275
4280
4080
4075
1075
1080
4085
1085
3055
2055
2855
0982
POND 2-10
POND 2-7
POND 2-8
S4-108
S4-109
S2-108
60' OF 18" PIPE
8' OF 48" PIPE
8' OF 48" PIPE
166' OF 48" PIPE
100' OF 24" FD
16' OF 18" PIPE
84' OF 18" PIPE
℄ RAMP LSW
℄ RAMP WBCD
211' OF (2) 48" PIPE
78' OF 18" PIPE
300' OF 24" FD
41' OF 48" PIPE
335' OF 48" PIPE
97' OF 18" PIPE
42' OF 18" PIPE
℄ RAMP S-W
12' OF 18" PIPE
WESTBOUND CD
RAMP S-W
37' OF 18" PIPE
℄ RAMP N-W
95' OF 18" PIPE
90' OF 18" PIPE
RAMP N-W
SR 826 SB
SR 826 NB
NORTH LINE CANAL
308' OF 24" PIPE
214' OF 18" PIPE
261' OF 18" PIPE
SR 836 WB
℄ SR 836 WB
SR 836 EB
8' OF 18" PIPE
℄ SR 836 EB
S6-52
S6-53
S6-54
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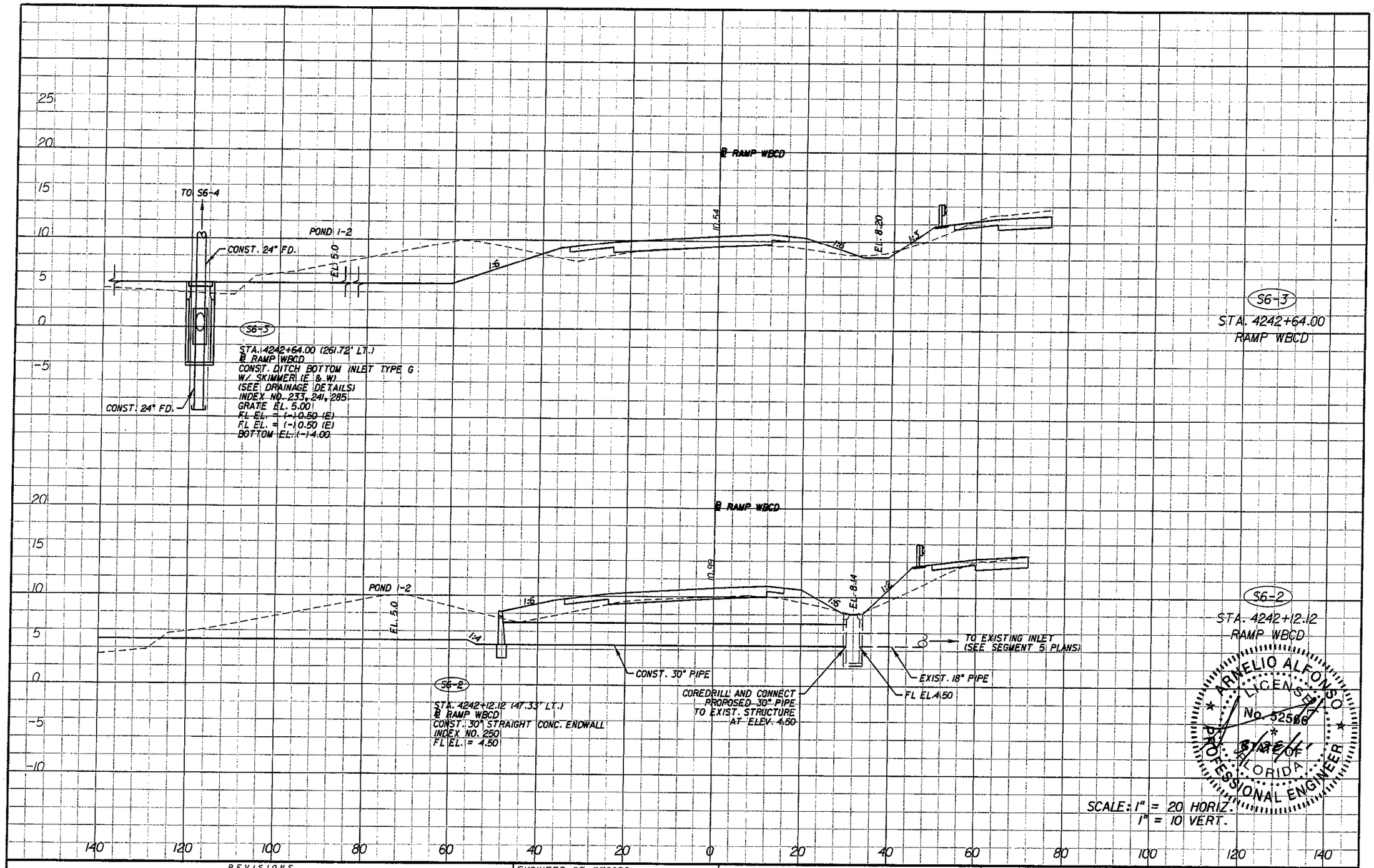
S3-81
S3-82



ARMELIO ALFONSO
LICENSED
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007791
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

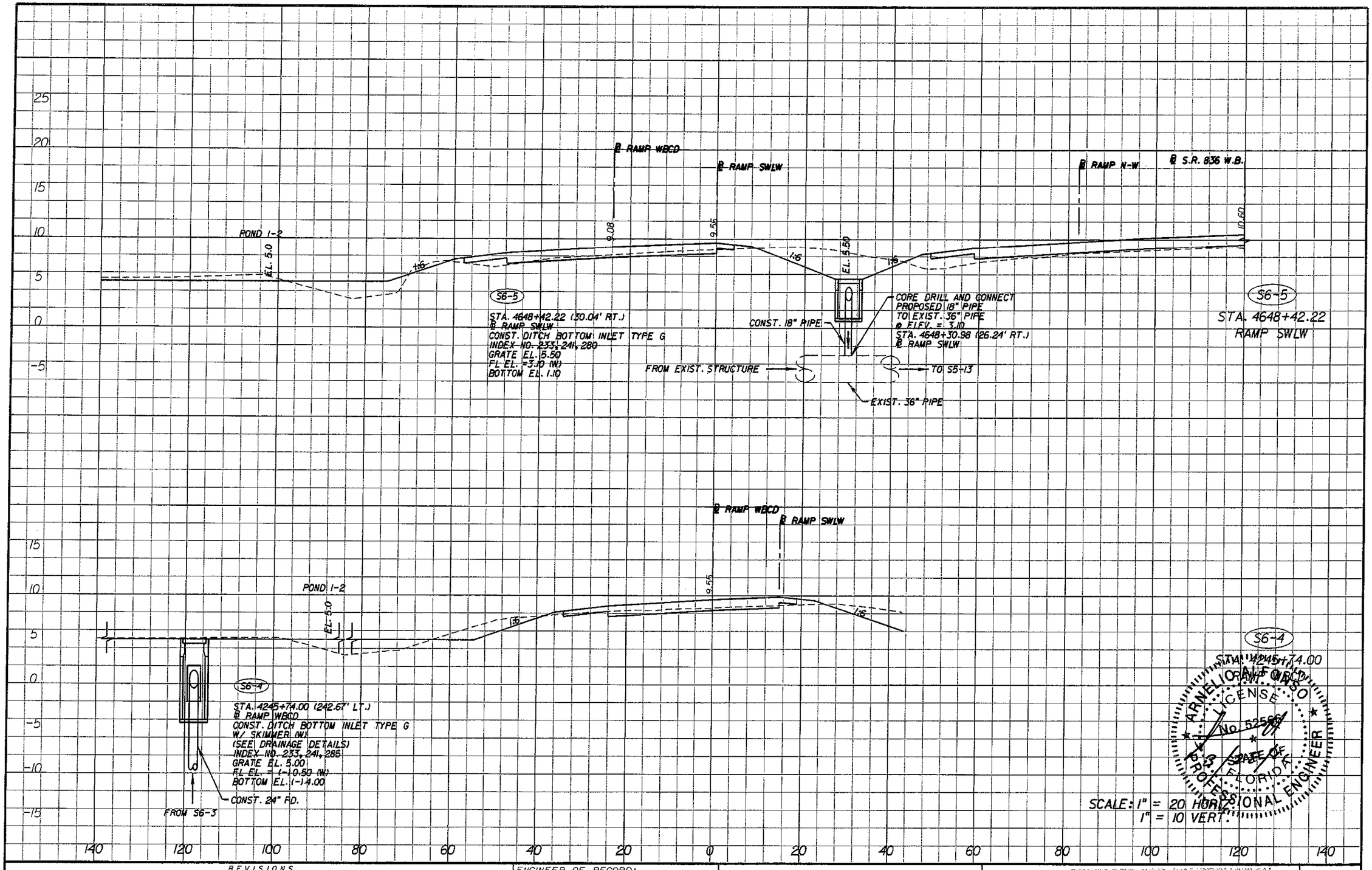
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-49

malfonso 3/10/2011 10:08:52 AM P:\249581\5201-Section 5\Segment 6\drainage\DRYSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7993 / fax: (305) 593-1594
CA No.: EB-0007197
Arnetto Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

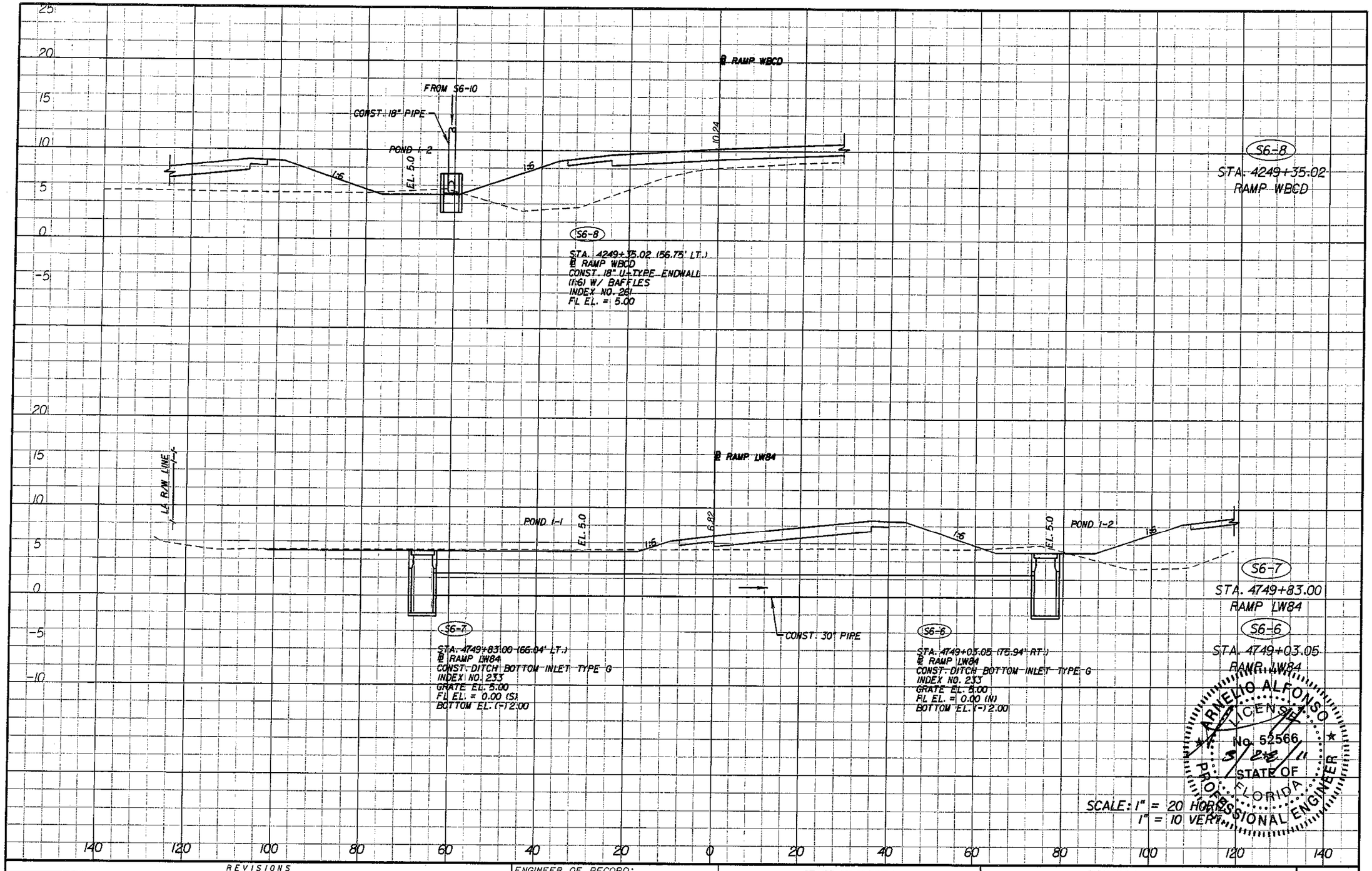
RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-50

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

malfonso 10/22/2010 9:38:10 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / Fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

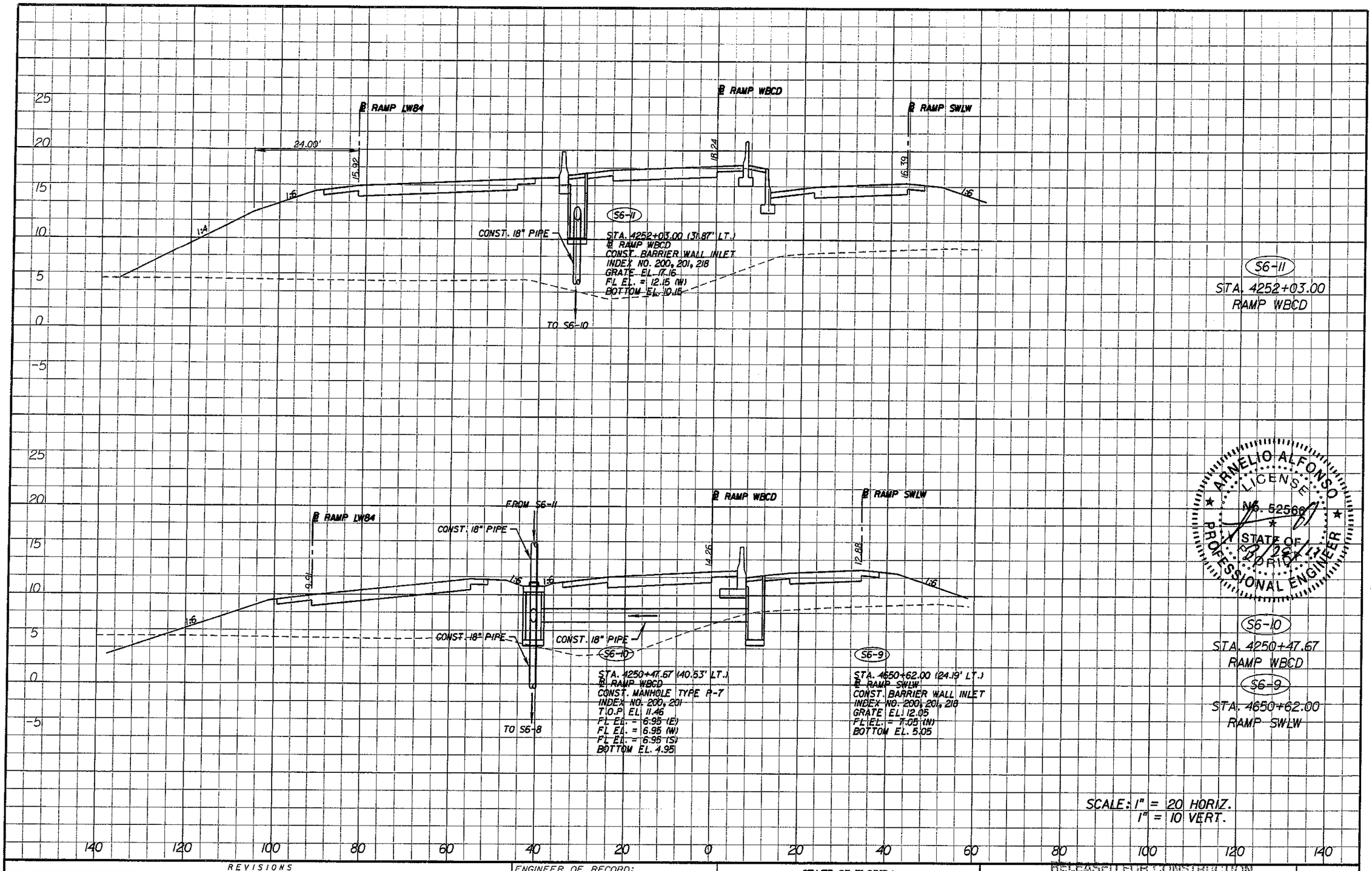
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-51

malfonso 3/10/2011 9:17:15 AM P:\249581\5201-SECTION 5\SEGMENT 6\DRAINAGE\DRXSRD01.DGN



S6-11
STA. 4252+03.00
RAMP WBCD

ARNELIO ALFONSO
LICENSE
NO. 52568
STATE OF FLORIDA
PROFESSIONAL ENGINEER

S6-10
STA. 4250+47.67
RAMP WBCD

S6-9
STA. 4650+62.00
RAMP SWLW

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

RELEASED FOR CONSTRUCTION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. 1 EB-0001757
Arnelio Alfonso, P.E. No. 52568

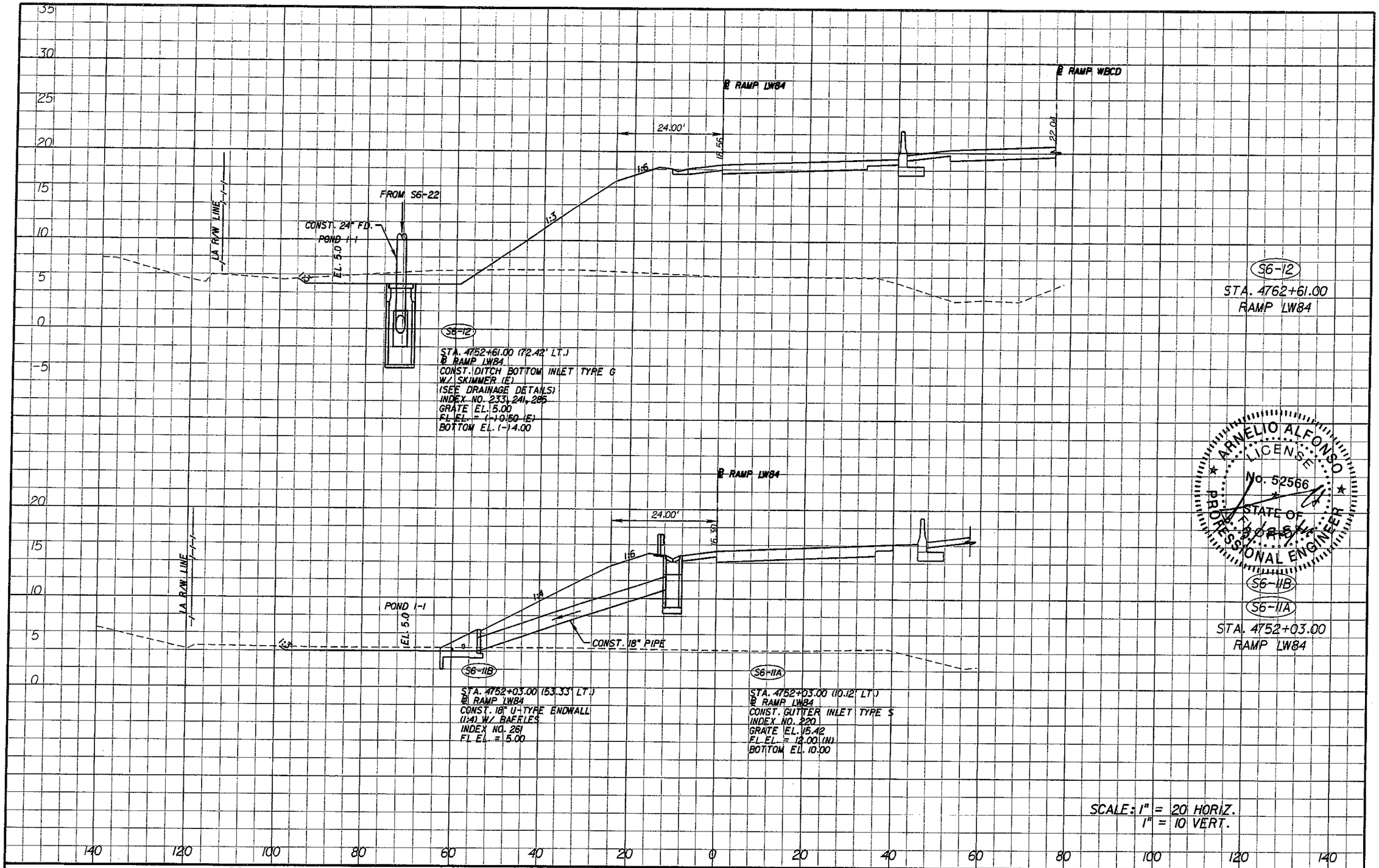
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 6-52

malfonso 10/22/2010 9:39:47 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSR001.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

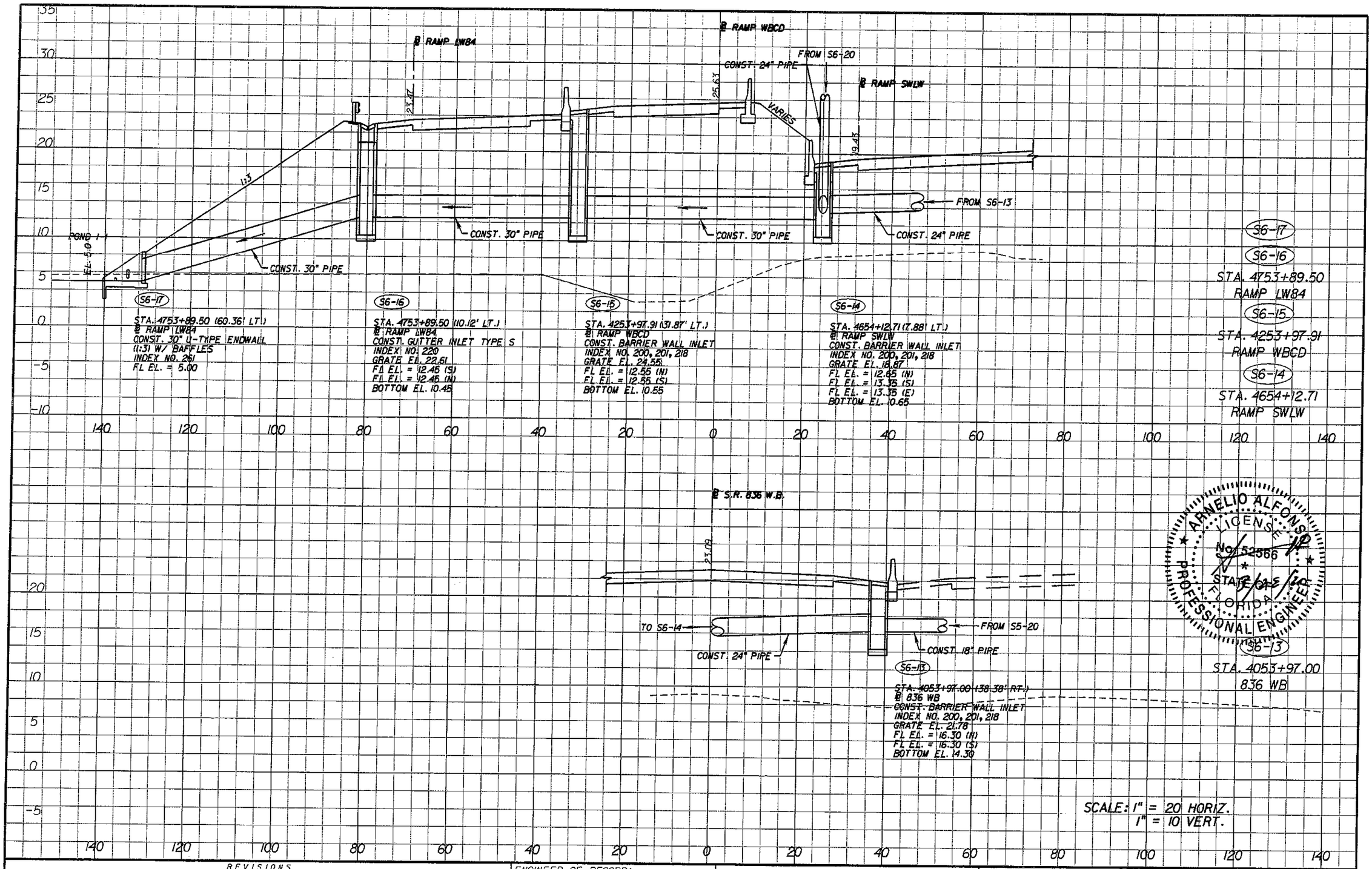
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-53

malfonso 10/22/2010 9:39:54 AM P:\249581\5201-Section 5\Segment 6\drainage\DRNSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

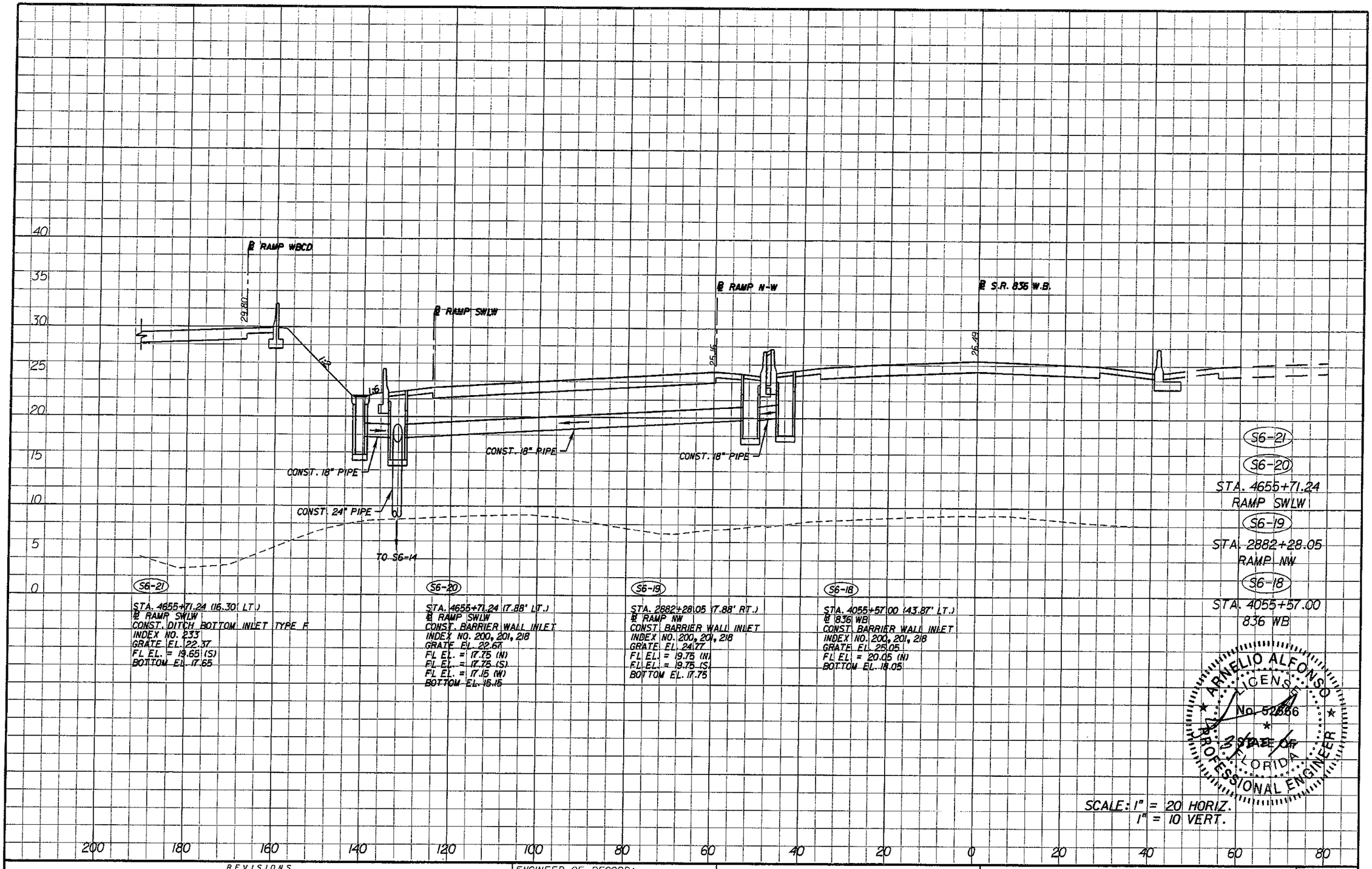
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-54

malfonso 10/22/2010 9:40:13 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



S6-21

STA. 4655+71.24 (16.30' LT.)
℄ RAMP SWLW
CONST. DITCH BOTTOM INLET TYPE F
INDEX NO. 233
GRATE EL. 22.37
FL EL. = 19.65 (S)
BOTTOM EL. 17.65

S6-20

STA. 4655+71.24 (17.88' LT.)
℄ RAMP SWLW
CONST. BARRIER WALL INLET
INDEX NO. 200, 201, 218
GRATE EL. 22.67
FL EL. = 17.75 (N)
FL EL. = 17.75 (S)
FL EL. = 17.15 (W)
BOTTOM EL. 15.15

S6-19

STA. 2882+28.05 (7.88' RT.)
℄ RAMP NW
CONST. BARRIER WALL INLET
INDEX NO. 200, 201, 218
GRATE EL. 24.77
FL EL. = 19.75 (N)
FL EL. = 19.75 (S)
BOTTOM EL. 17.75

S6-18

STA. 4055+57.00 (43.87' LT.)
℄ 836 WB
CONST. BARRIER WALL INLET
INDEX NO. 200, 201, 218
GRATE EL. 25.05
FL EL. = 20.05 (N)
BOTTOM EL. 18.05

S6-21
S6-20
STA. 4655+71.24
RAMP SWLW

S6-19
STA. 2882+28.05
RAMP NW

S6-18
STA. 4055+57.00
836 WB

ARNELIO ALFONSO
LICENSED
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7683 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

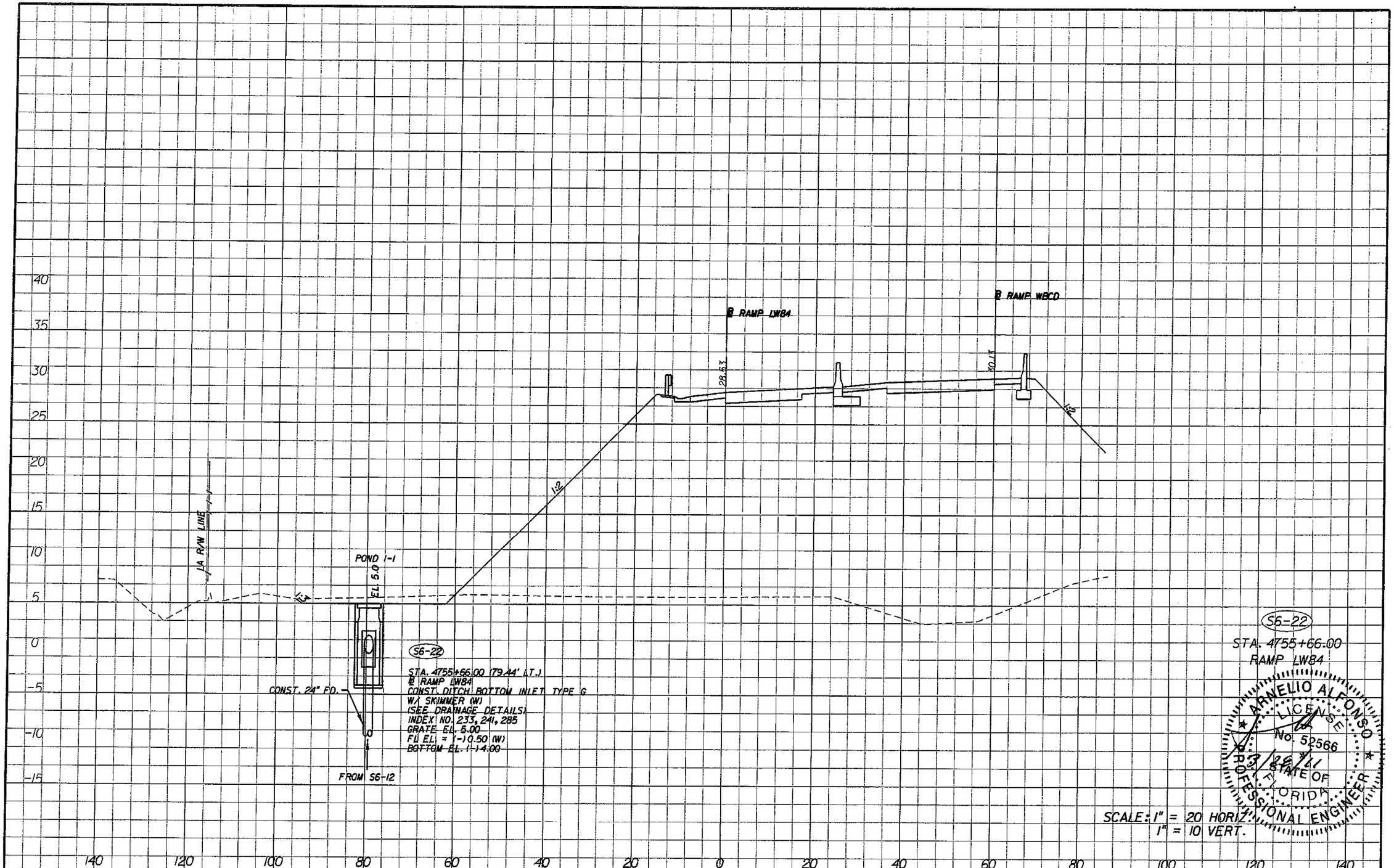
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-55

malfonso 10/22/2010 9:40:23 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



S6-22
STA. 4755+66.00
RAMP LW84

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0027811
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

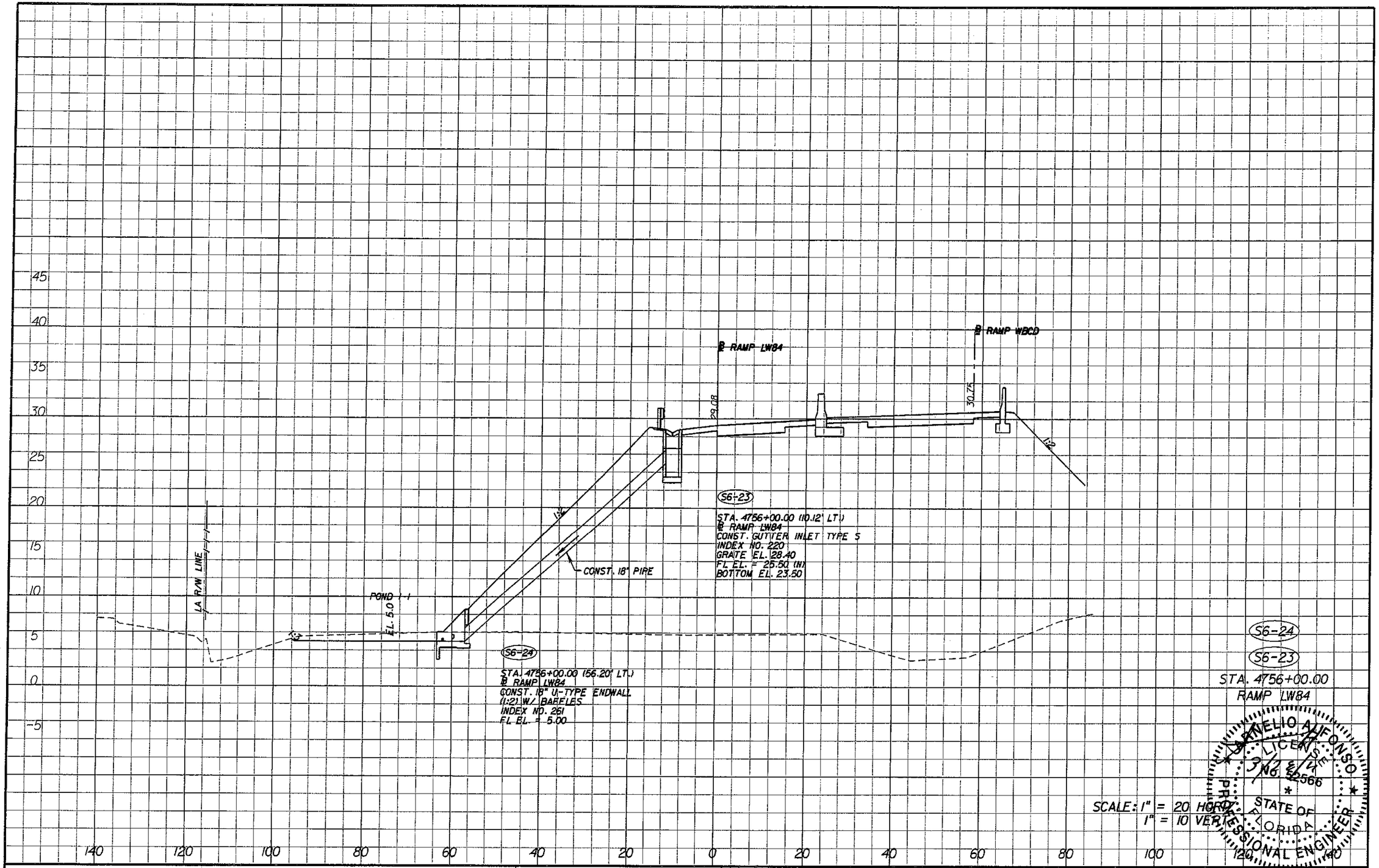
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-56

malfonso 10/22/2010 9:40:36 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



ARNELIO ALFONSO JR. LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
8305 N.W. 27 Street, suite 115
Miami, FL 33178
(305) 598-1883 / fax: (305) 593-1594
CA No.: EB-0007737
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

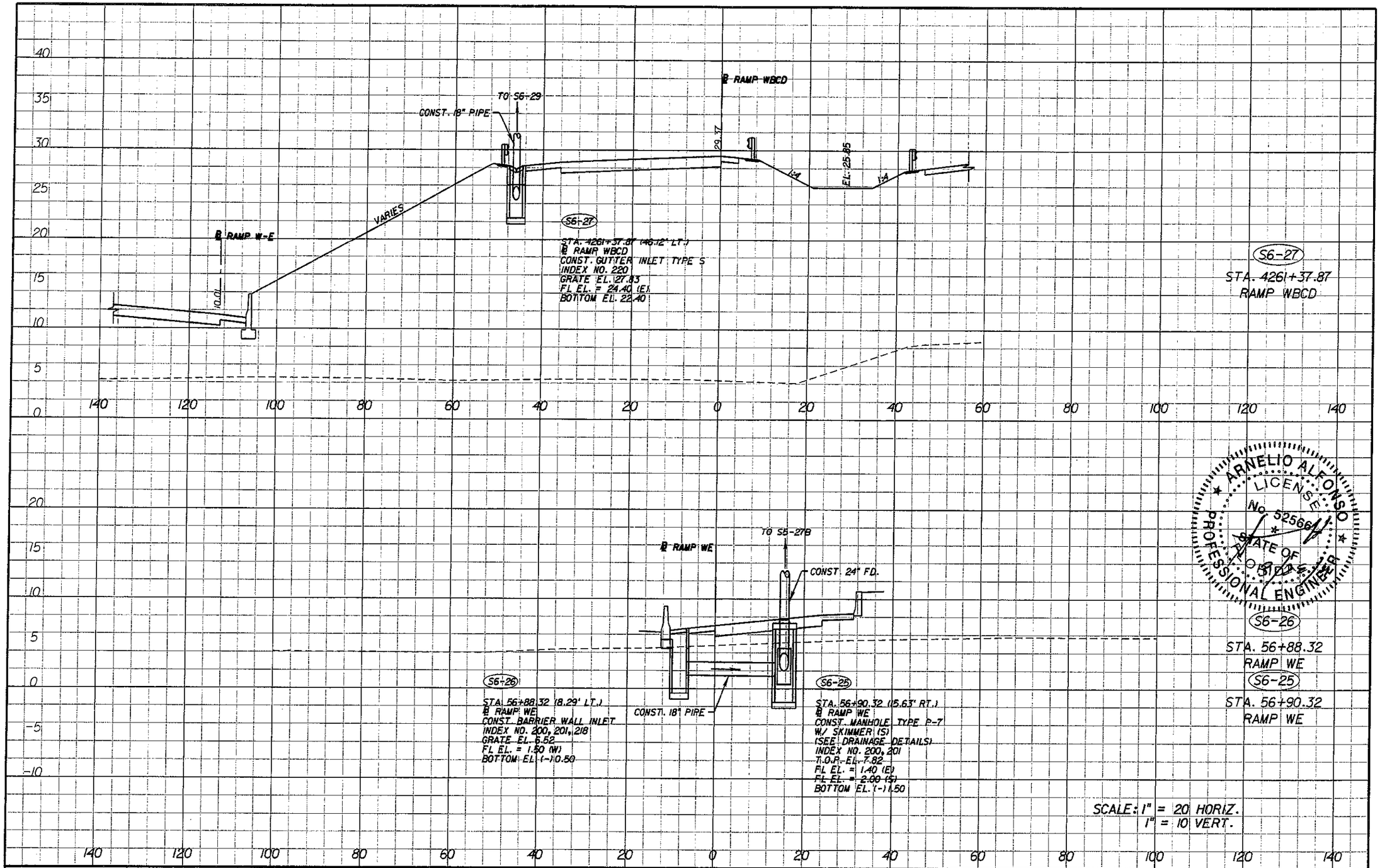
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-57

malfonso 10/22/2010 9:40:49 AM P:\249581\5201-Section 5\Segment 6\drainage\DR\SRD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
ENGINEERS
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7683 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

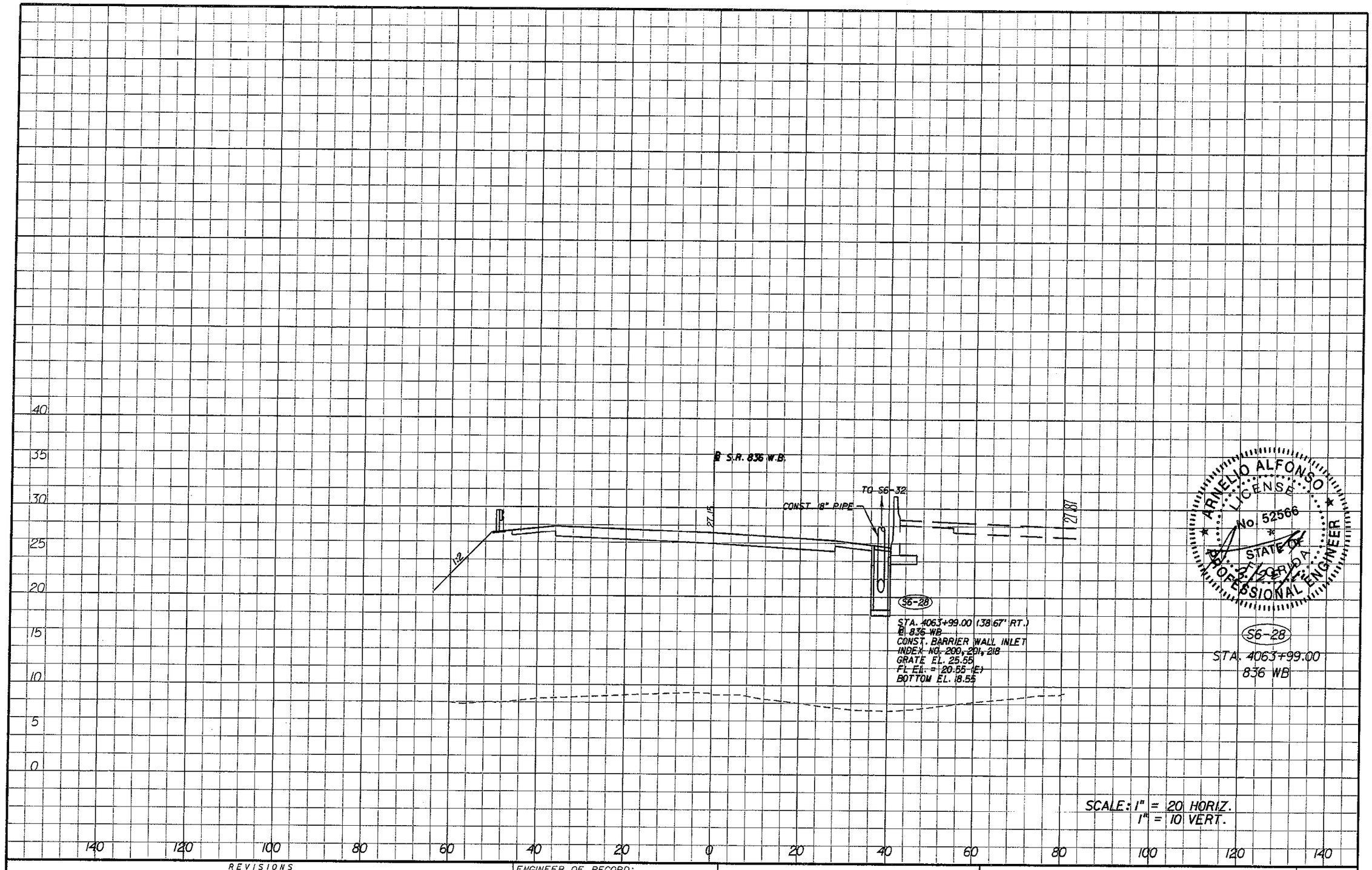
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-58

malfonso 3/9/2011 2:36:16 PM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

S6-28
STA. 4063+99.00
836 WB

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7883 / Fax: (305) 593-1594
CA No.: EB-0007157
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

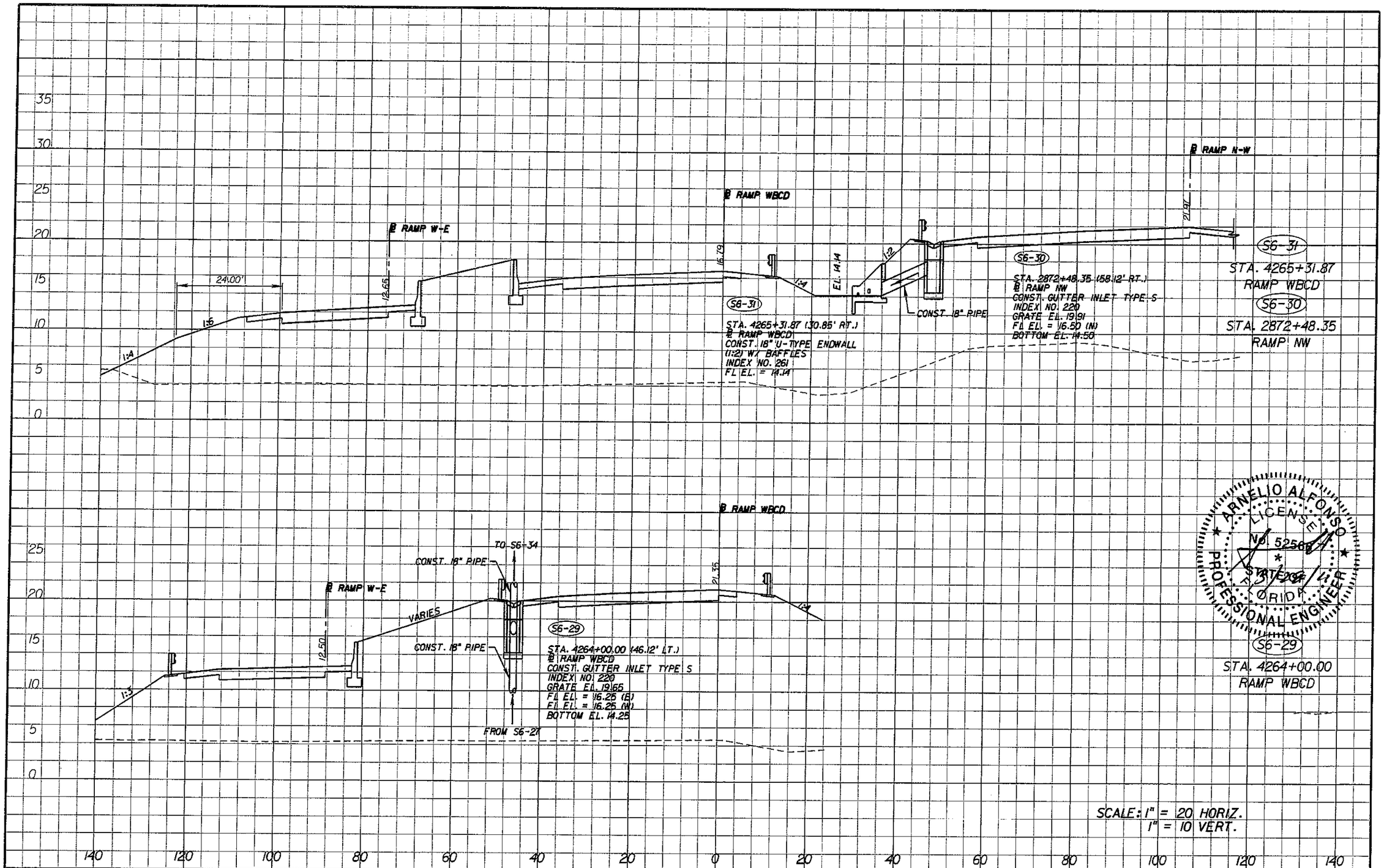
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-59

malfonso 10/22/2010 9:41:13 AM P:\249581\1520I-Section 5\Segment 6\drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

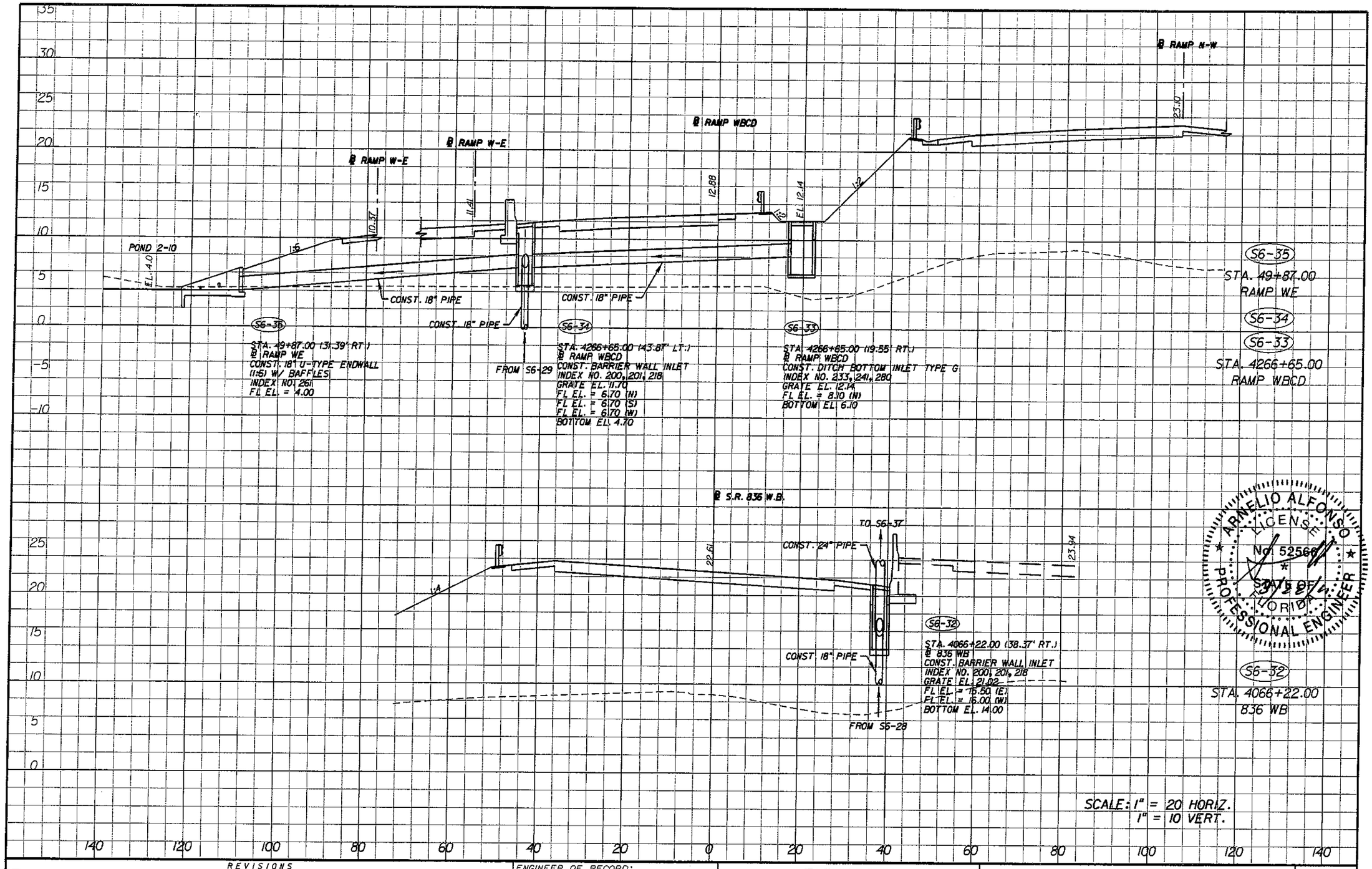
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-60

malfonso 10/22/2010 9:41:27 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

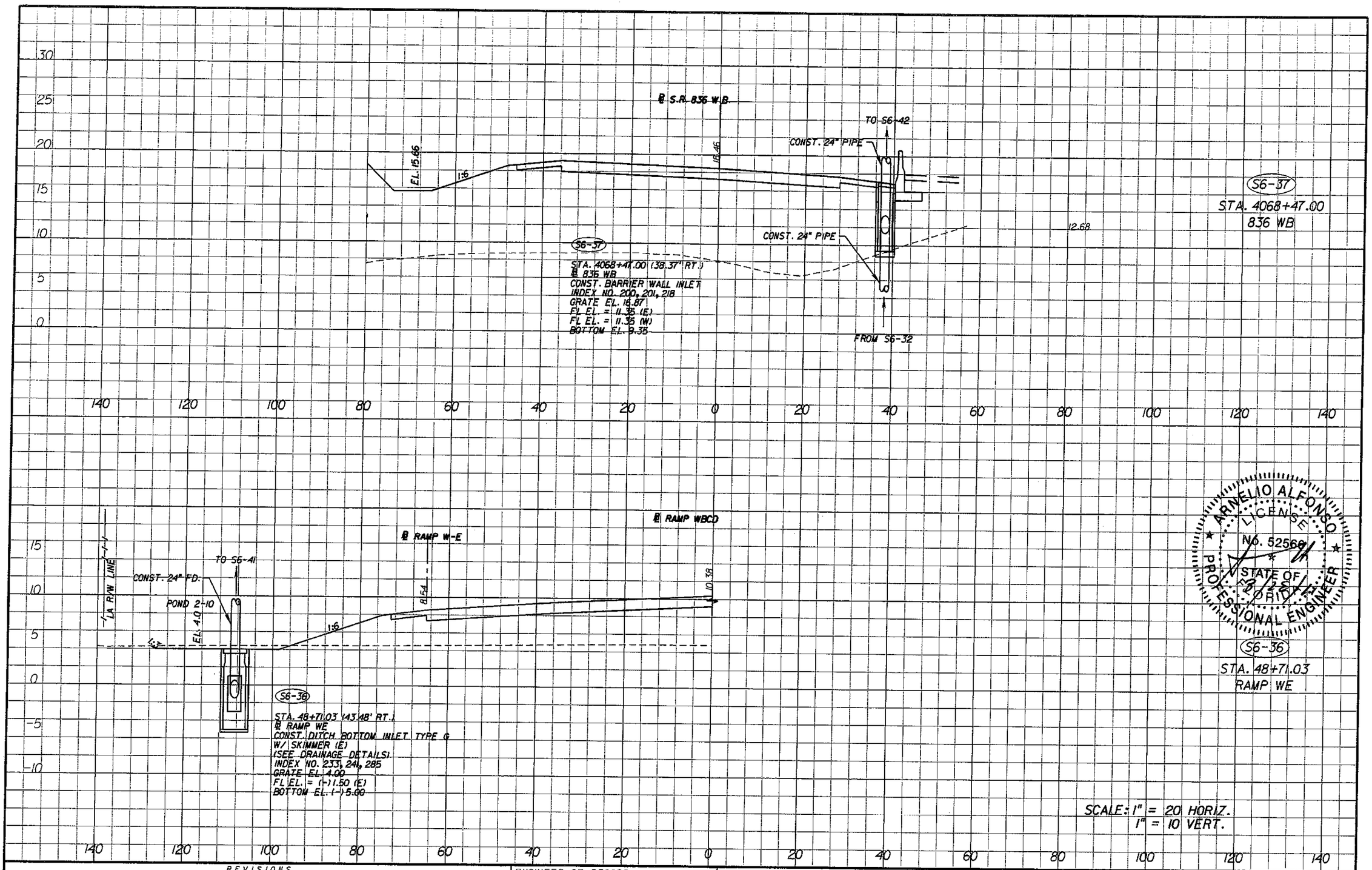
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-61

malfonso 10/26/2010 10:09:12 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

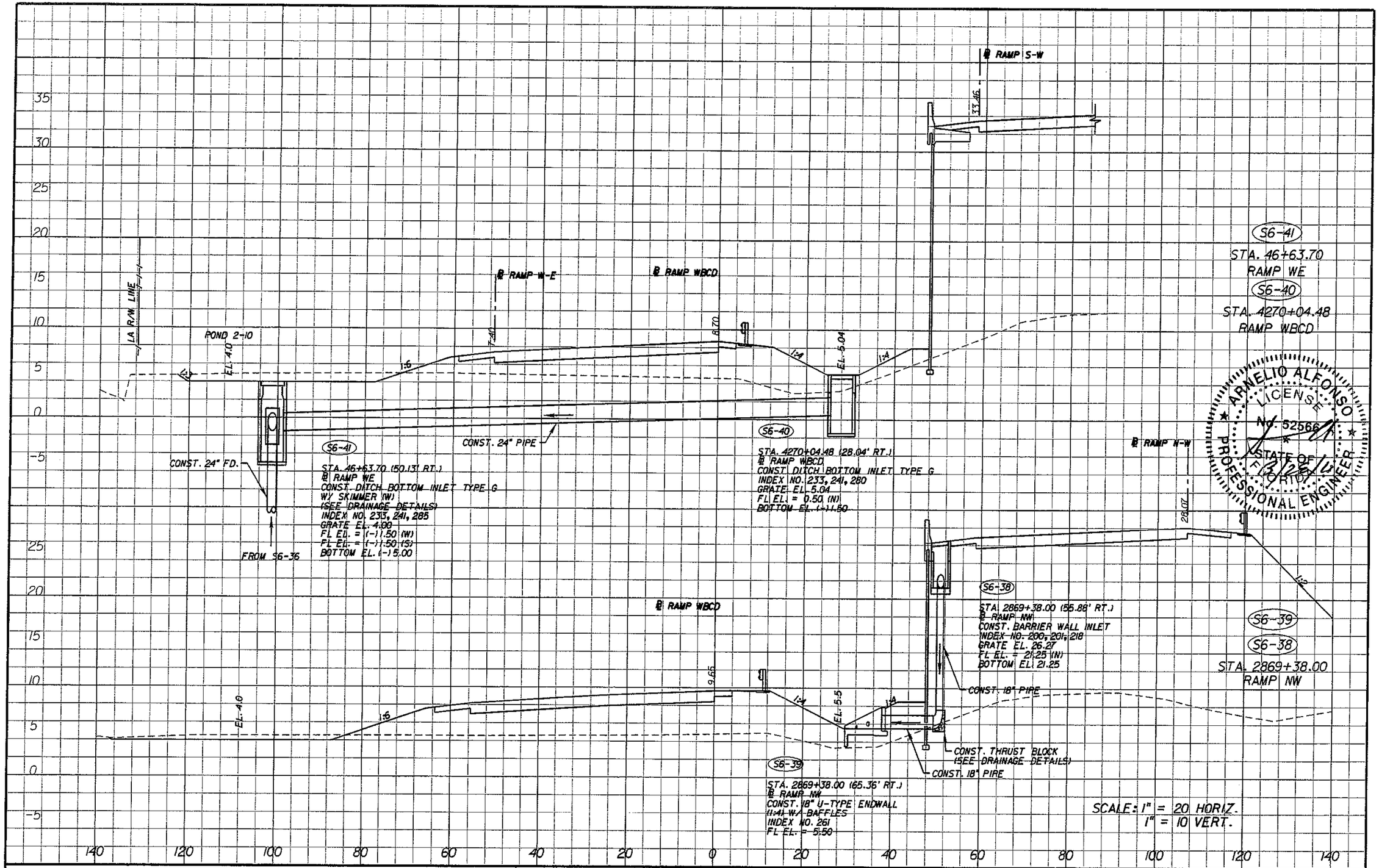
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-62

malfonso 10/22/2010 9:41:58 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSR001.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7683 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

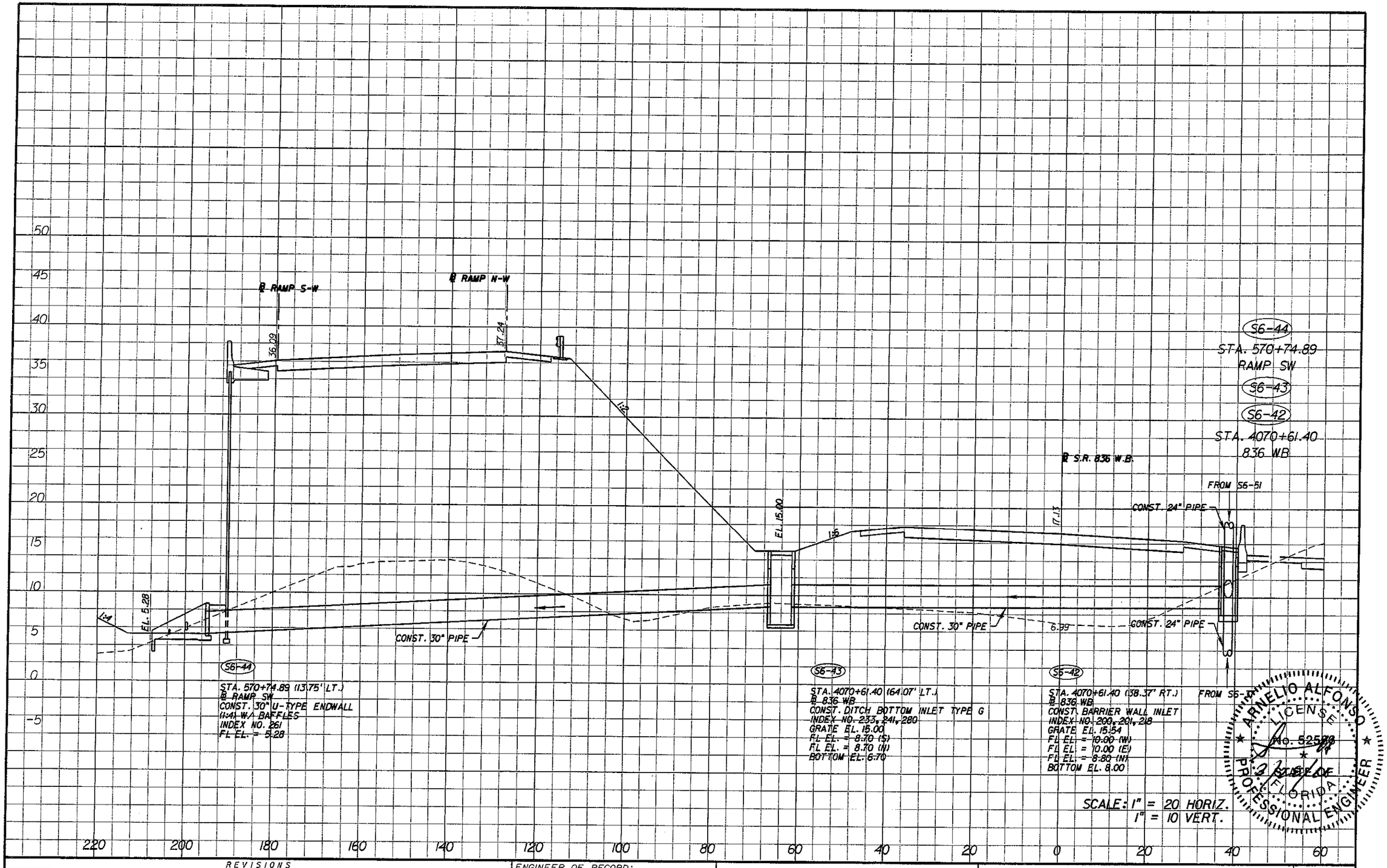
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-63

malfonso 10/22/2010 9:42:11 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



S6-44
STA. 570+74.89 (113.75' LT.)
℄ RAMP SW
CONST. 30" U-TYPE ENDWALL
(1:4) W.A. BAFFLES
INDEX NO. 261
FL EL. = 5.28

S6-43
STA. 4070+61.40 (164.07' LT.)
℄ 836 WB
CONST. DITCH BOTTOM INLET TYPE G
INDEX NO. 233, 241, 280
GRATE EL. 15.00
FL EL. = 8.70 (S)
FL EL. = 8.70 (N)
BOTTOM EL. 6.70

S6-42
STA. 4070+61.40 (38.37' RT.)
℄ 836 WB
CONST. BARRIER WALL INLET
INDEX NO. 200, 201, 218
GRATE EL. 15.54
FL EL. = 10.00 (W)
FL EL. = 10.00 (E)
FL EL. = 8.80 (N)
BOTTOM EL. 8.00

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

ARNELIO ALFONSO LICENSE NO. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

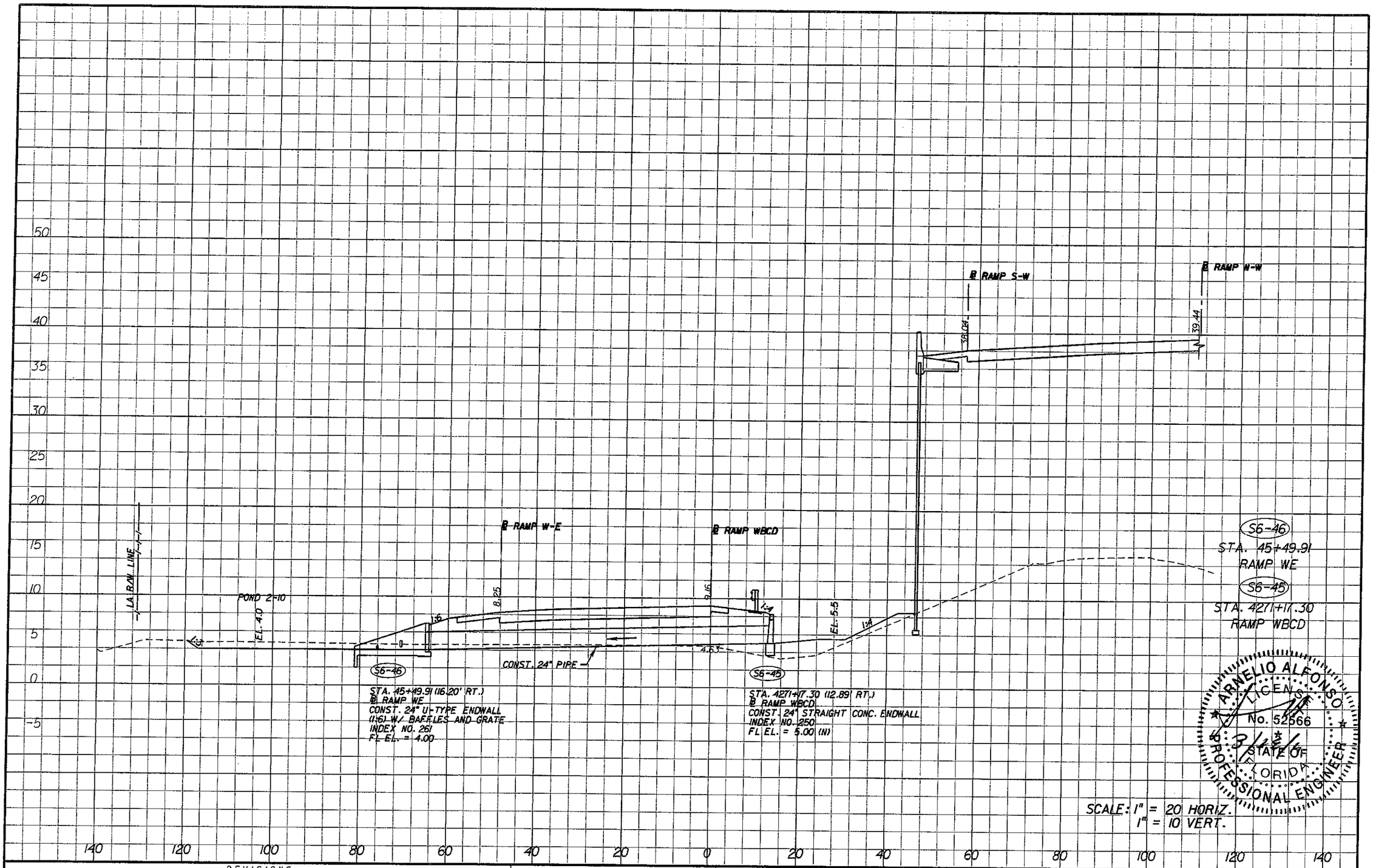
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-64

malfonso 10/22/2010 9:42:25 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSR001.DGN



ARMELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. - EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

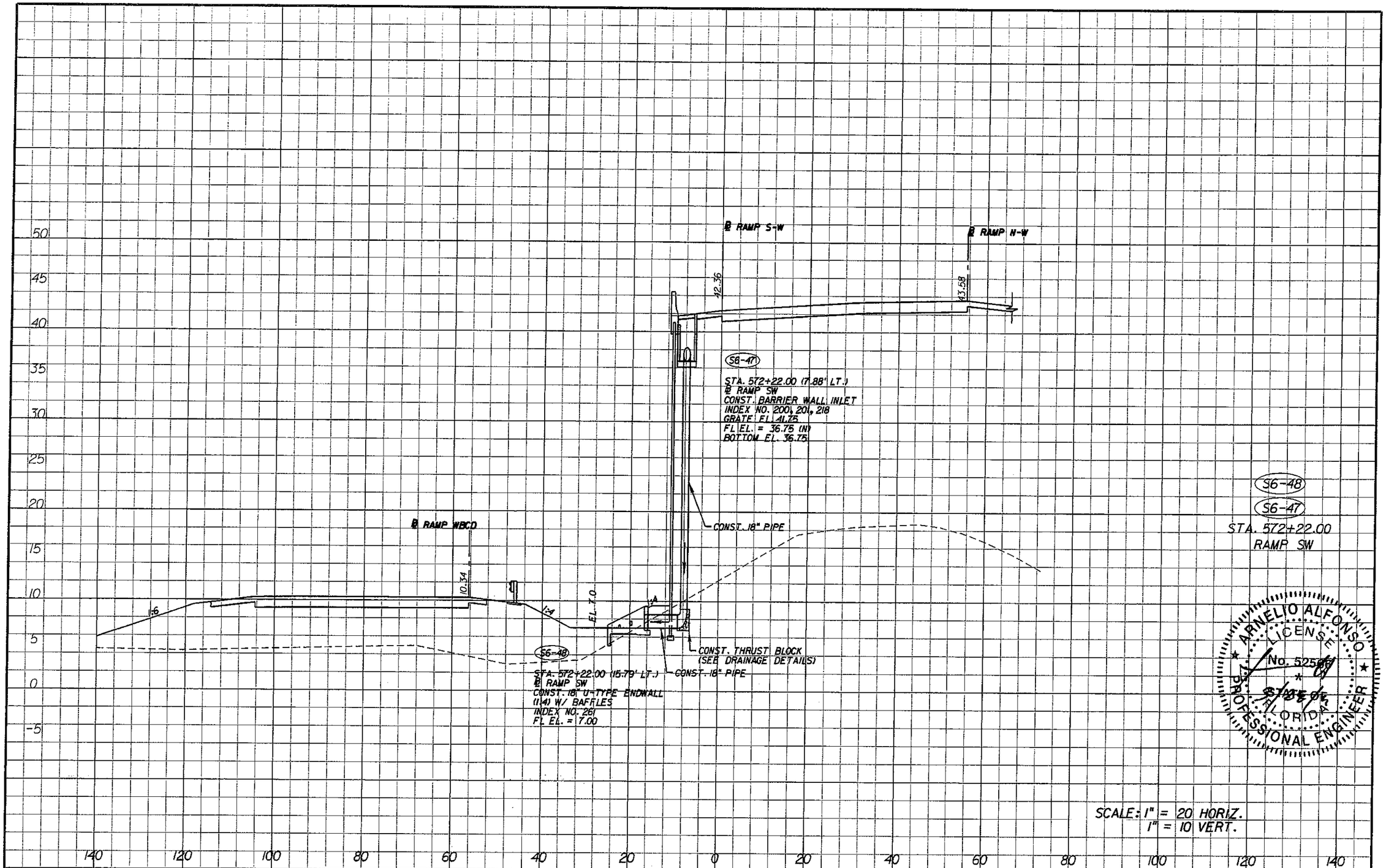
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-65

malfonso 10/22/2010 9:42:38 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



S6-48

S6-47

STA. 572+22.00
RAMP SW

ARNELIO ALFONSO
LICENSED
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7683 / fax: (305) 593-1594
CA No.: EB-0027797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

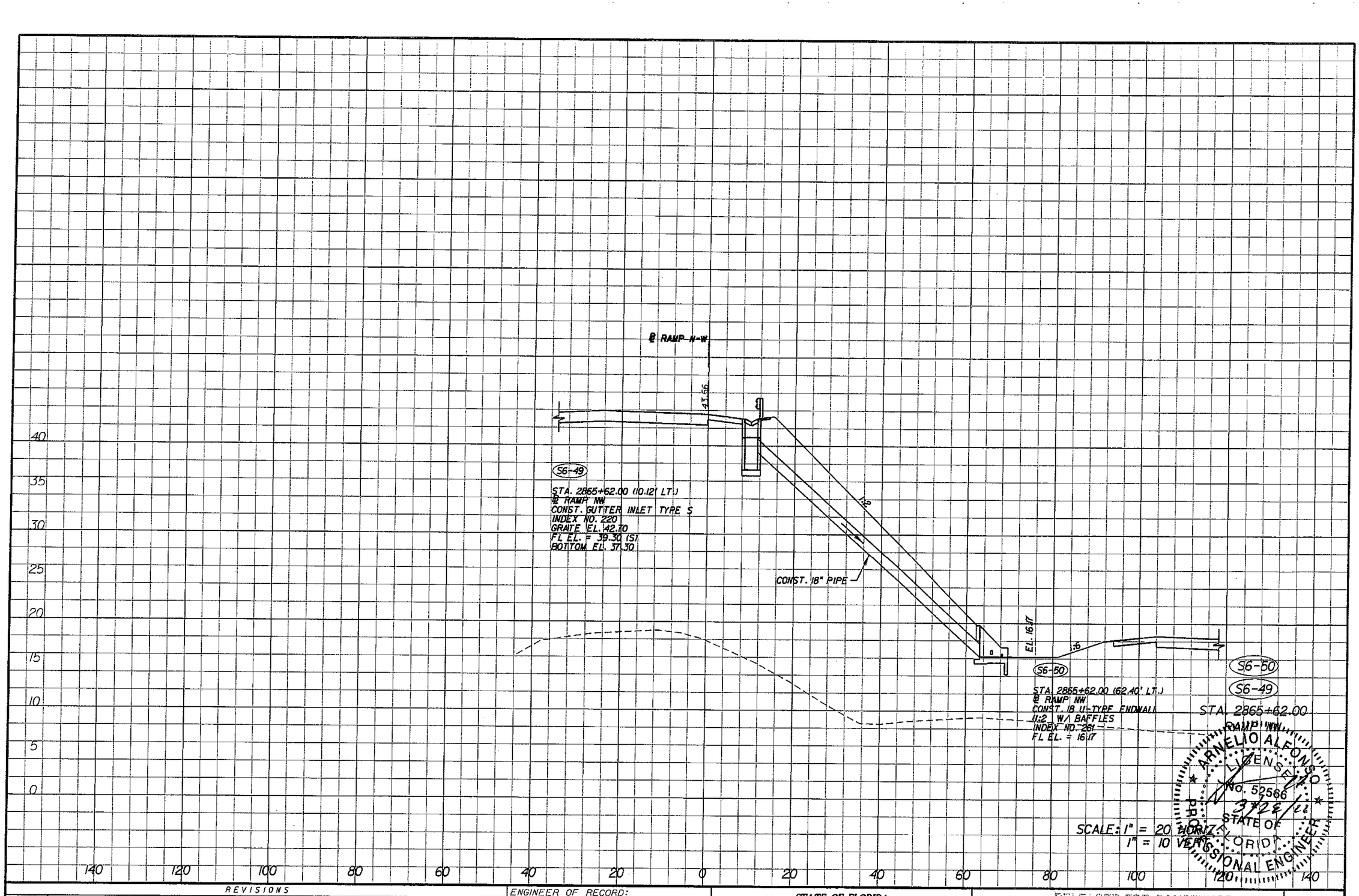
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-66

malfonso 10/22/2010 9:42:50 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSED No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER 9/22/10

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P CONSULTING ENGINEERS

A&P Consulting Transportation Engineers Corporation
10205 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0001797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

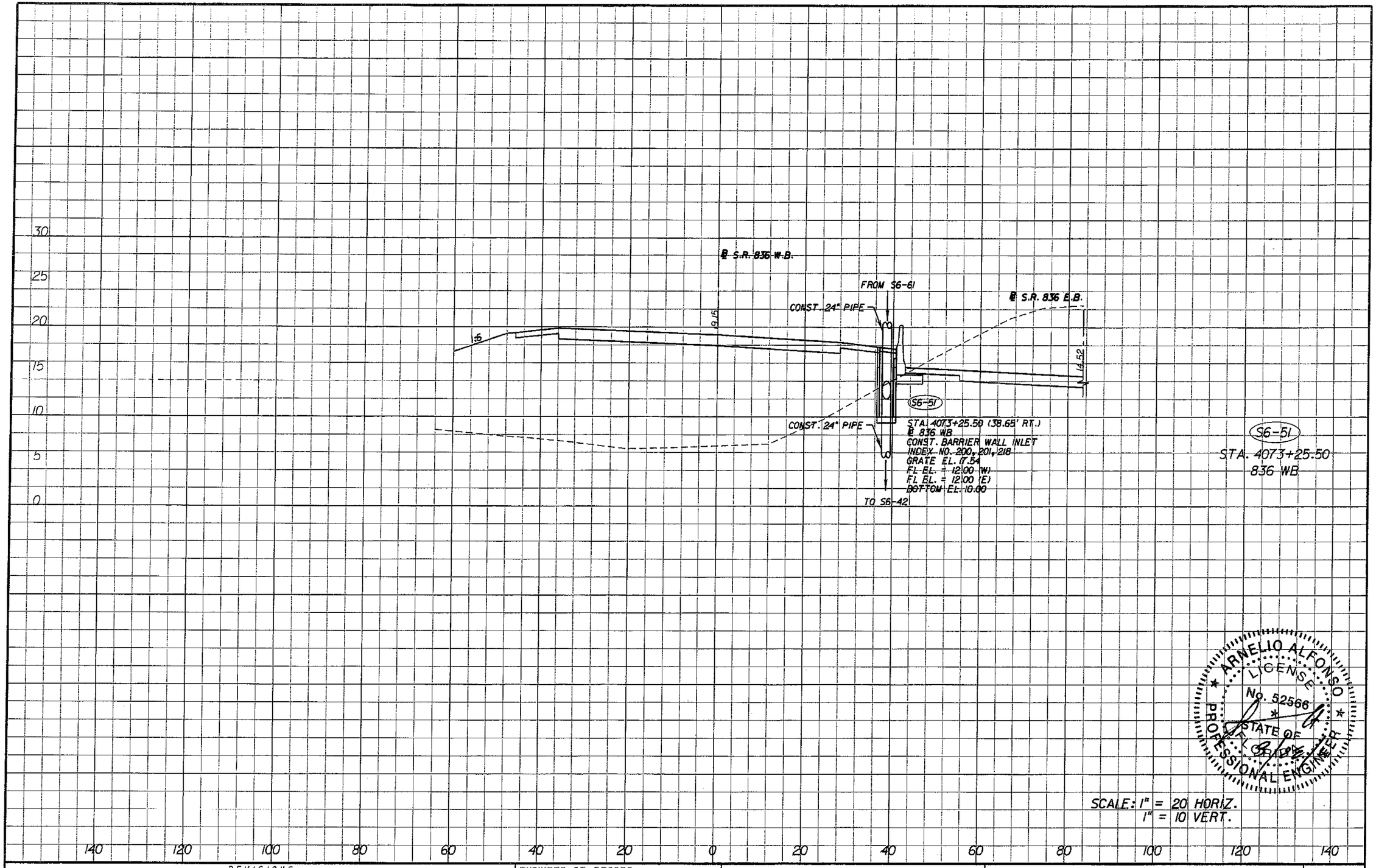
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-67

malfonso 10/22/2010 9:43:08 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSR001.DGN



S6-51
STA. 407+25.50
836 WB

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

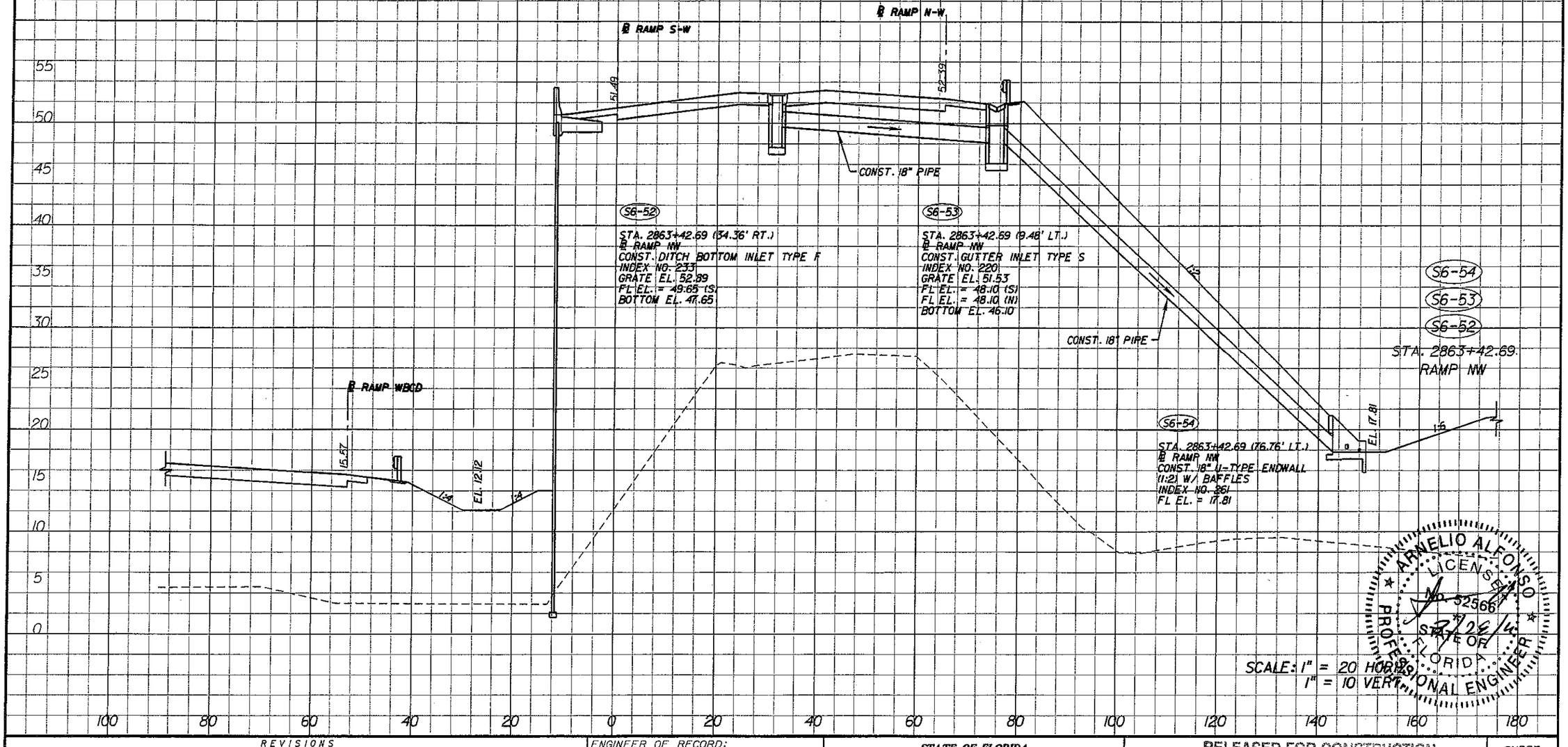
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-68

malfonso 10/22/2010 9:43:29 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSED
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

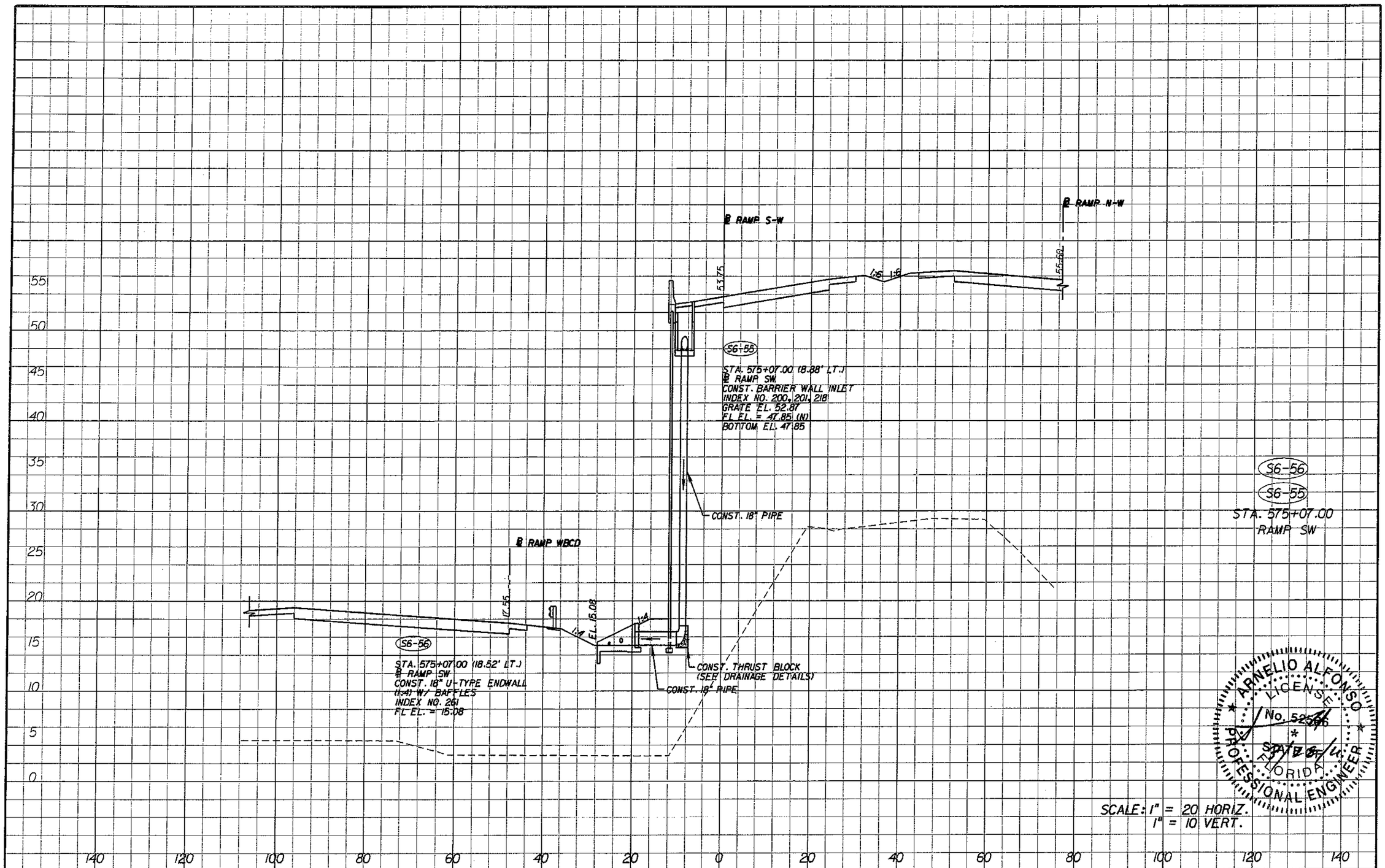
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-69

malfonso 10/22/2010 9:43:42 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSED
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0001797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

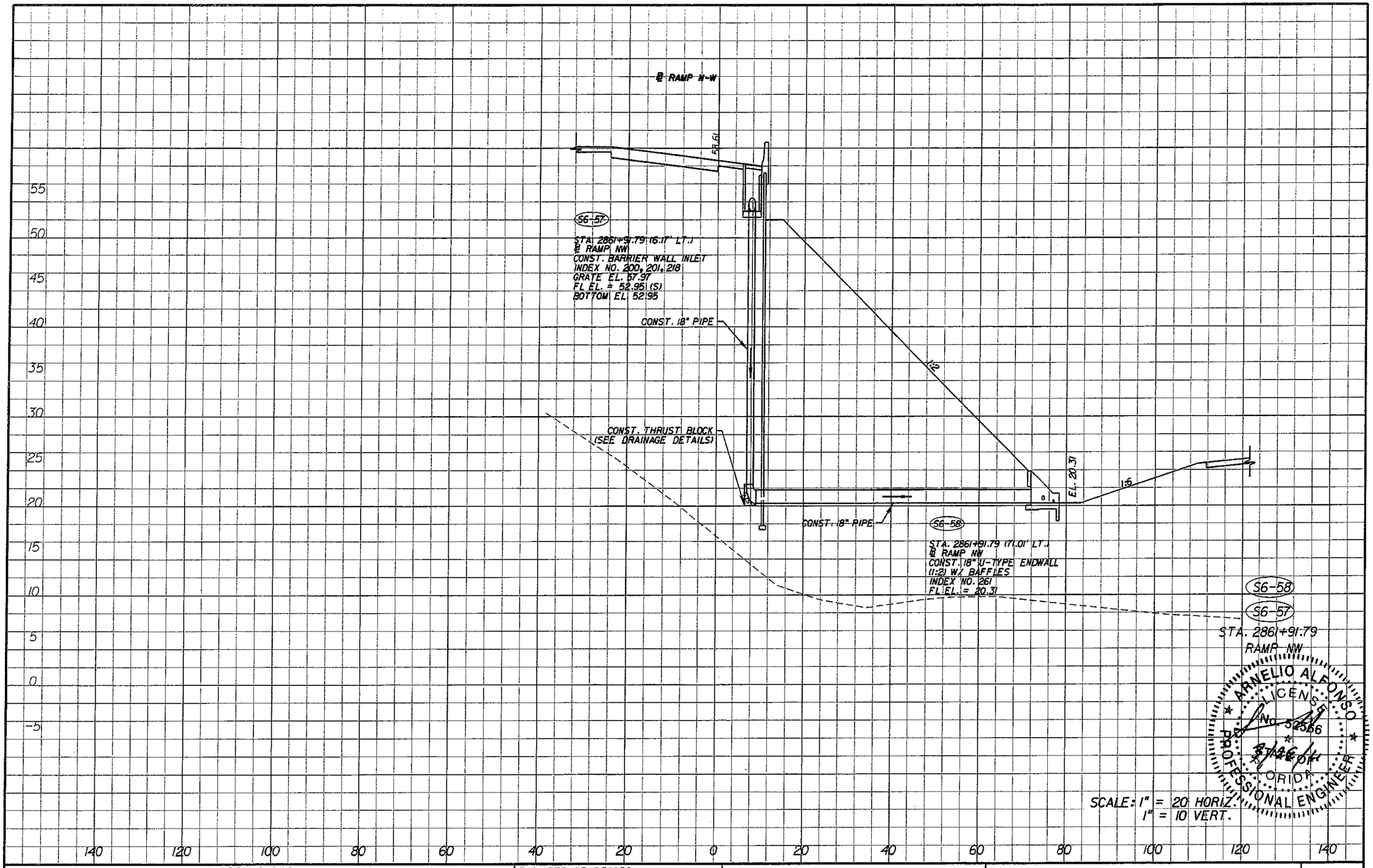
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-70

malfonso 10/22/2010 9:44:05 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7083 / fax: (305) 593-1594
CA. No. EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

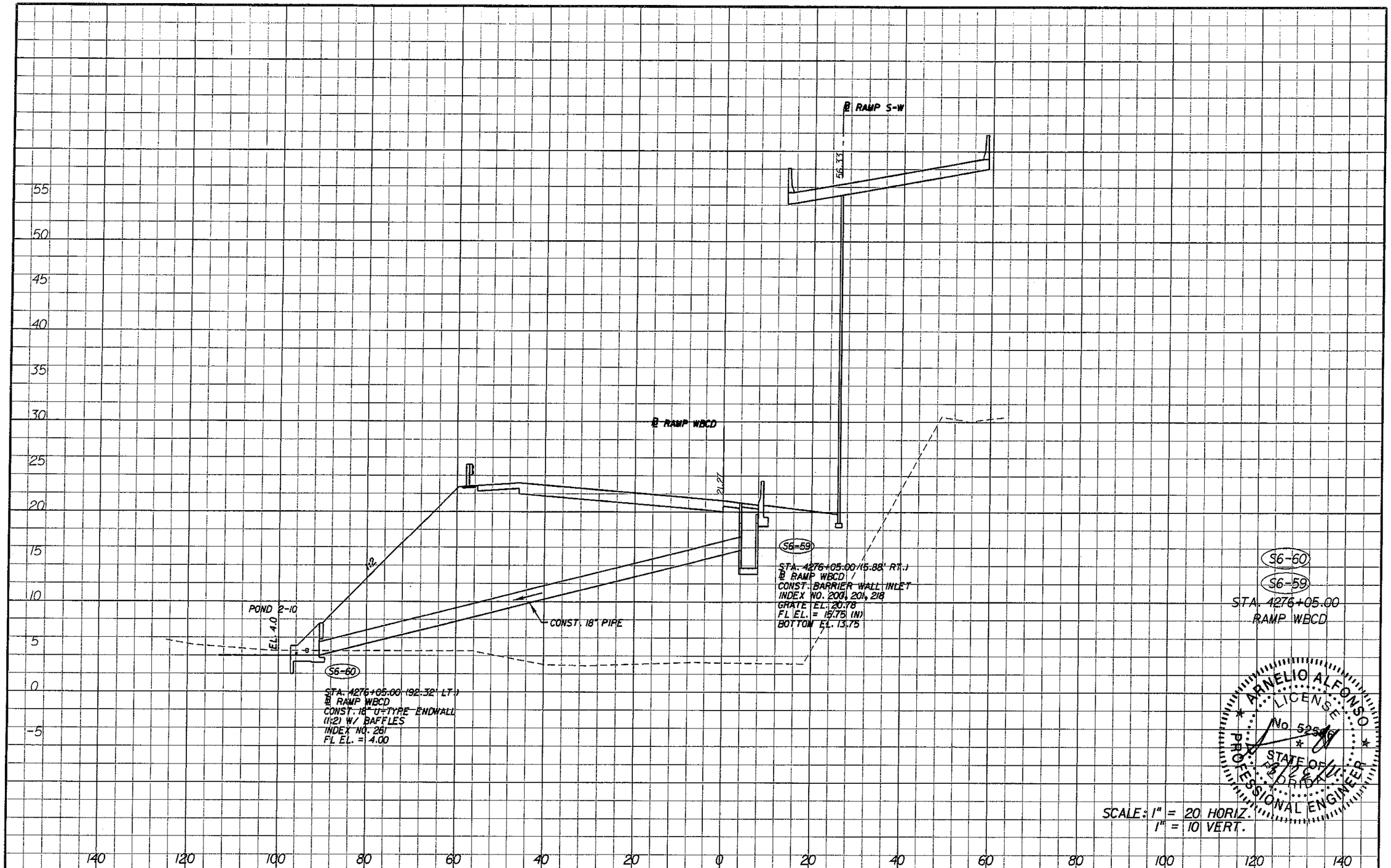
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-71

malfonso 10/22/2010 9:44:11 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0001797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

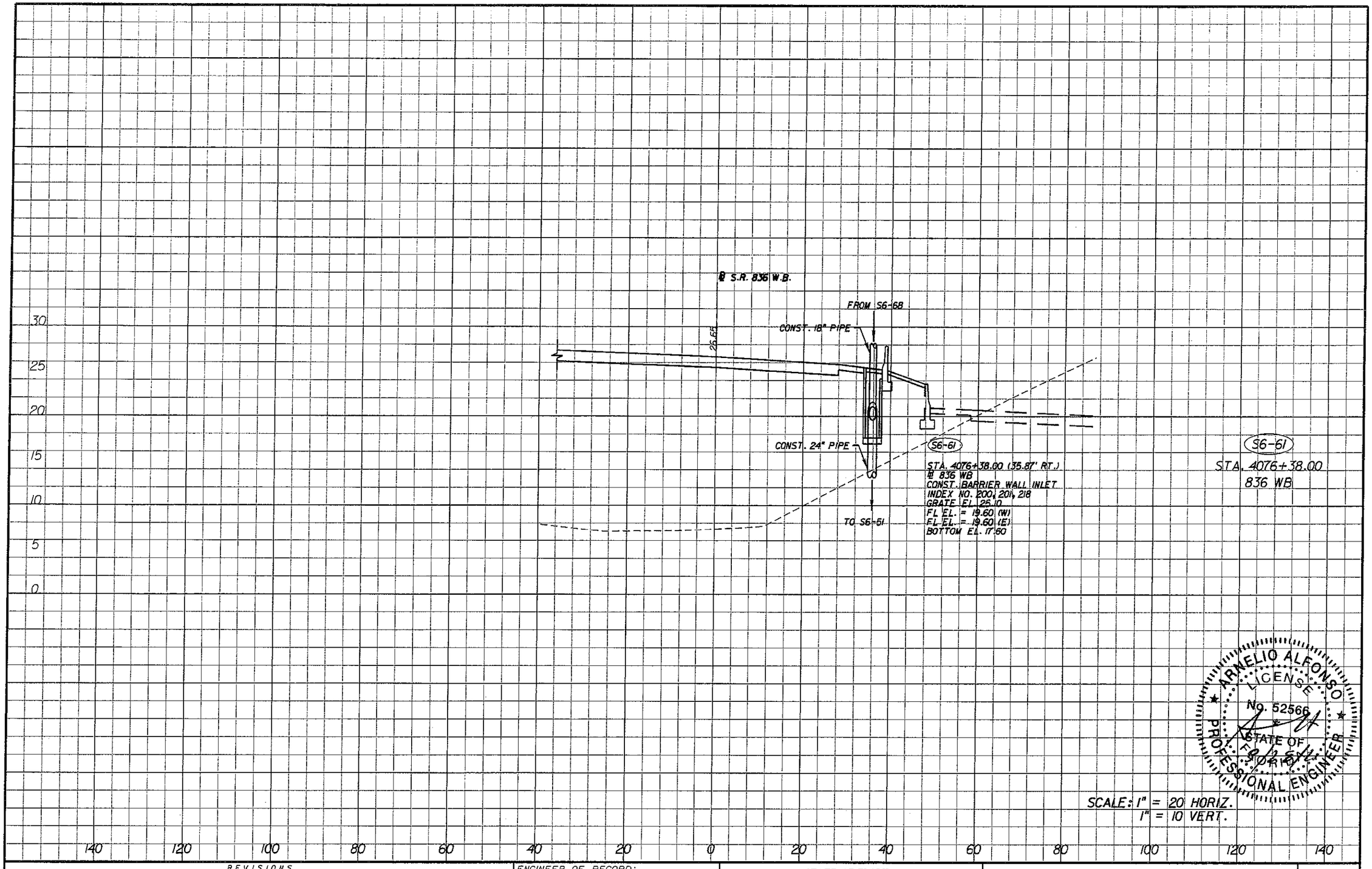
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-72

malfonso 10/22/2010 9:44:26 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSR001.DGN



S6-61
STA. 4076+38.00
836 WB

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 593-7683 / fax: (305) 593-1594
CA No.: EB-0007791
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

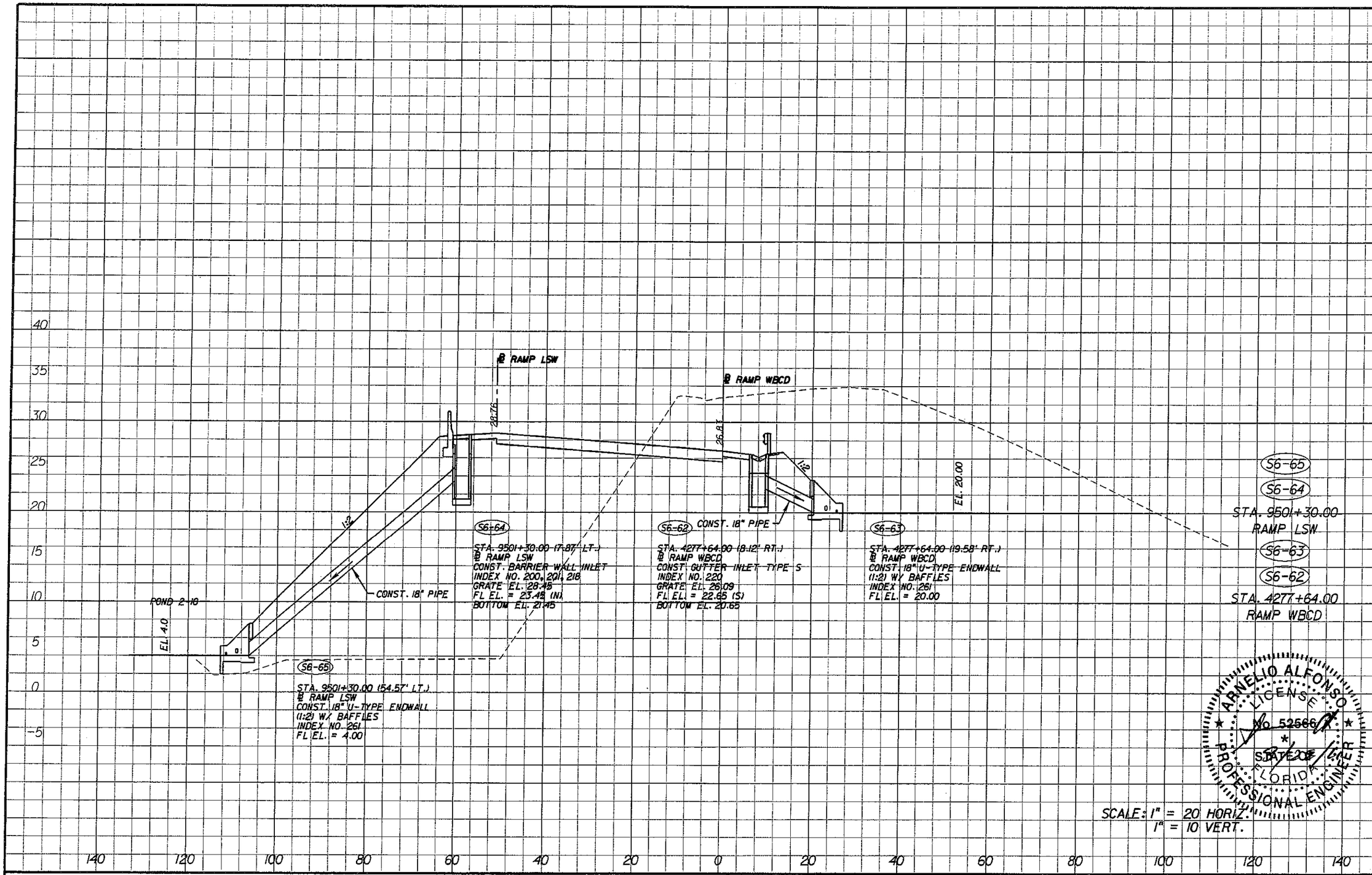
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO.
6-73

malfonso 10/22/2010 9:44:45 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

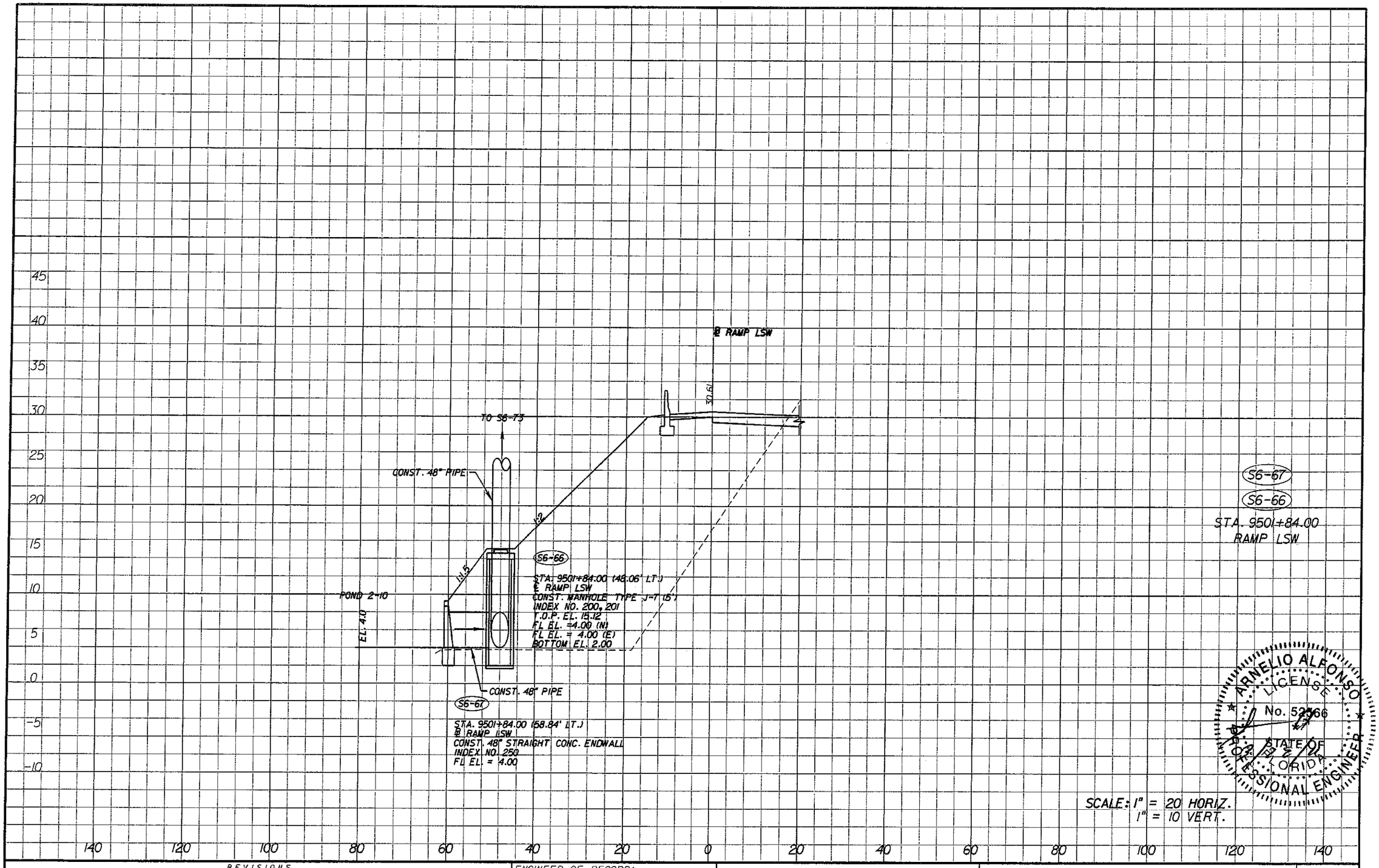
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-74

malfonso 10/22/2010 9:45:11 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
8305 N.W. 41 Street, suite 115
Miami, FL 33166
(305) 592-7883 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

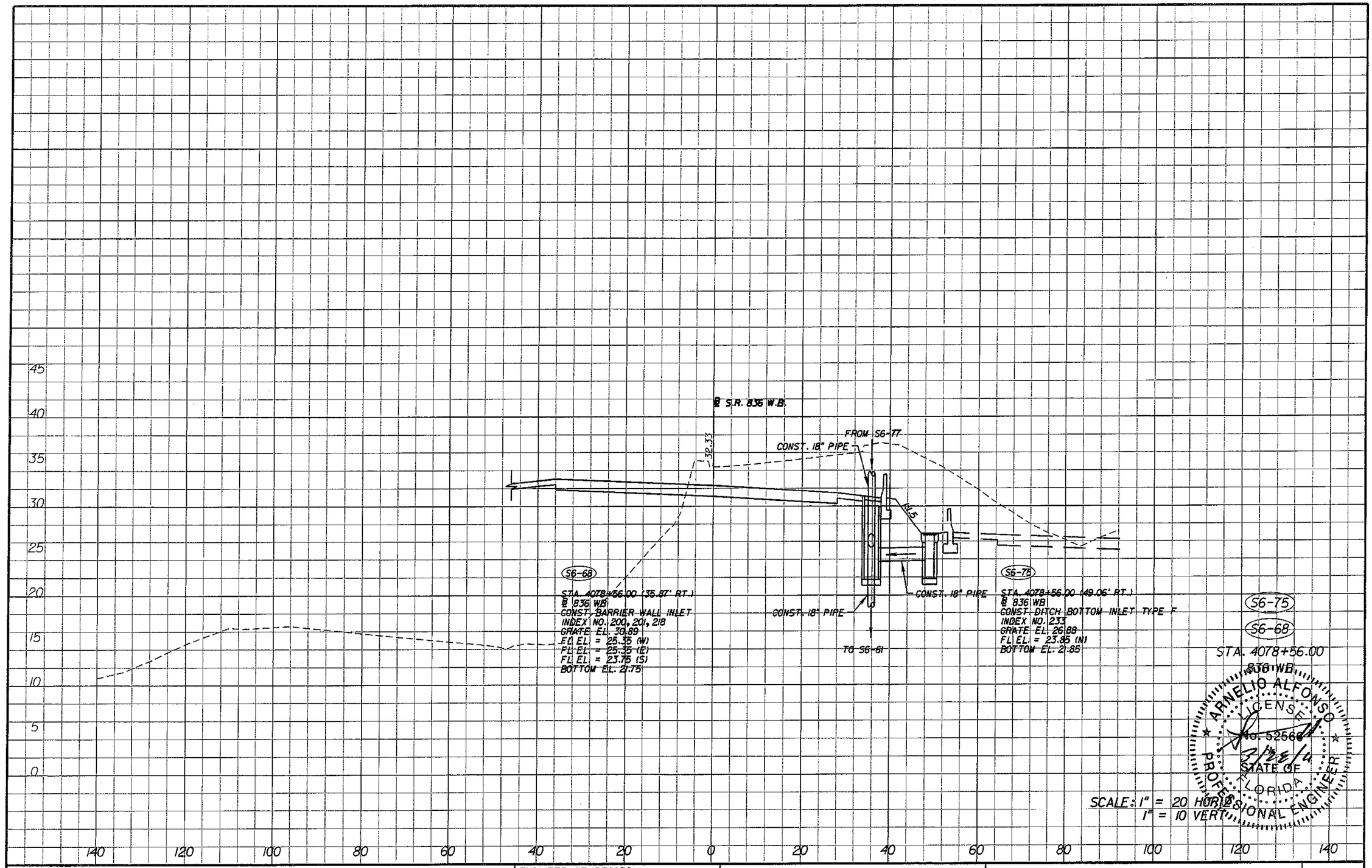
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-75

alfonso 10/22/2010 9:45:23 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007787
Arnelio Alfonso, P.E. No. 52566

ENGINEERS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

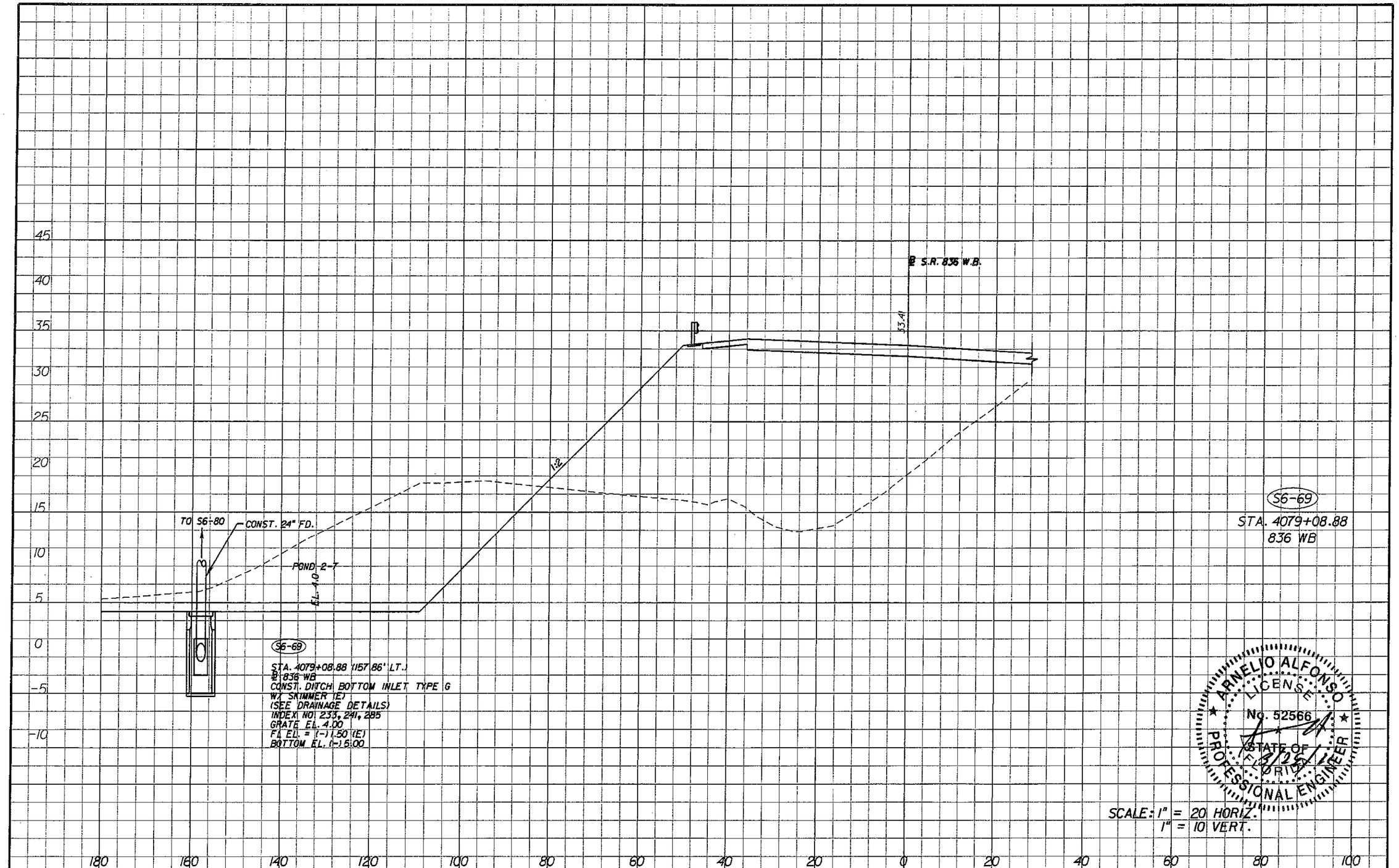
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-76

matfonso 10/22/2010 9:45:35 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSR001.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

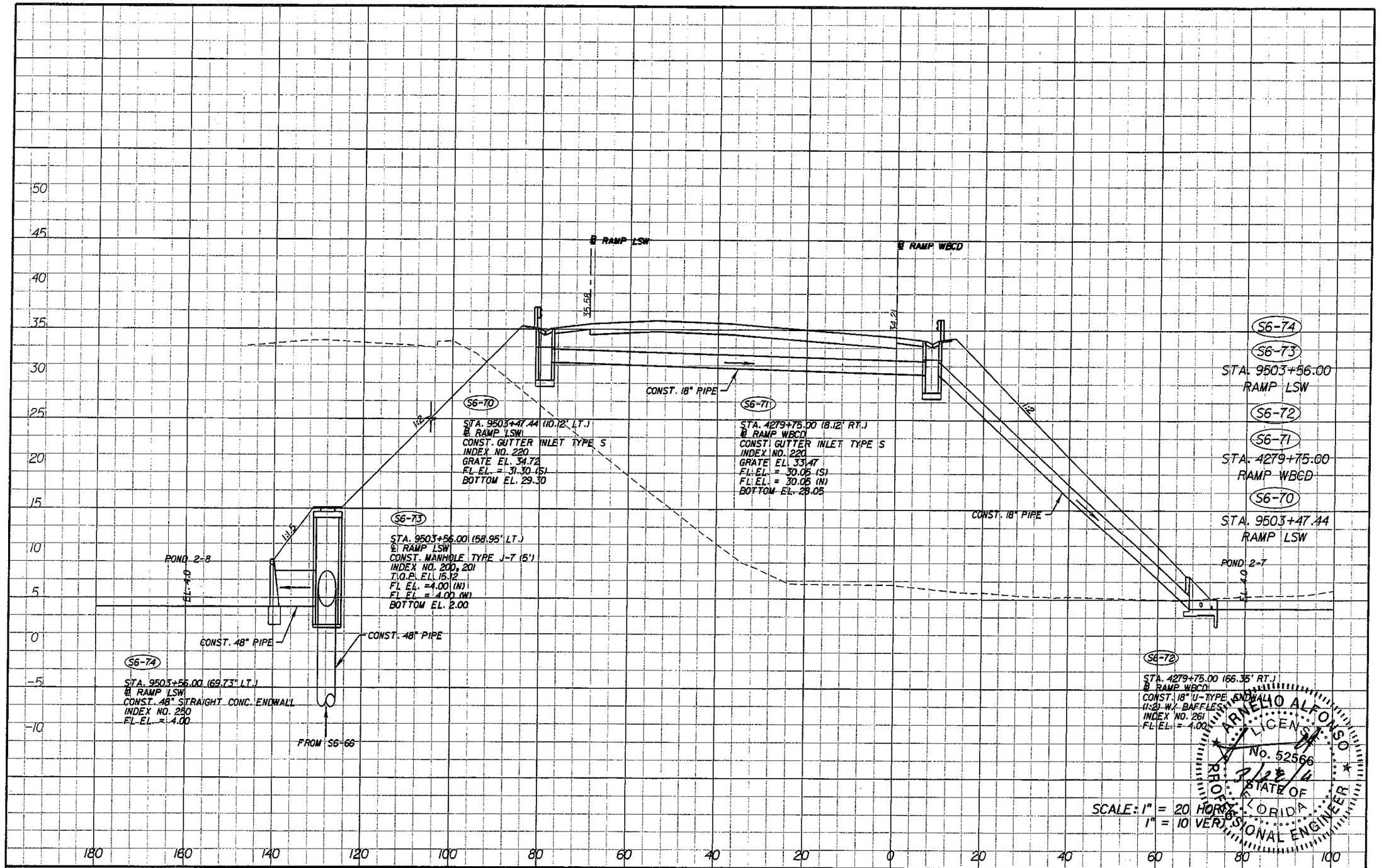
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-77



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7883 / fax: (305) 593-1594
CA No. : EB-0001797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

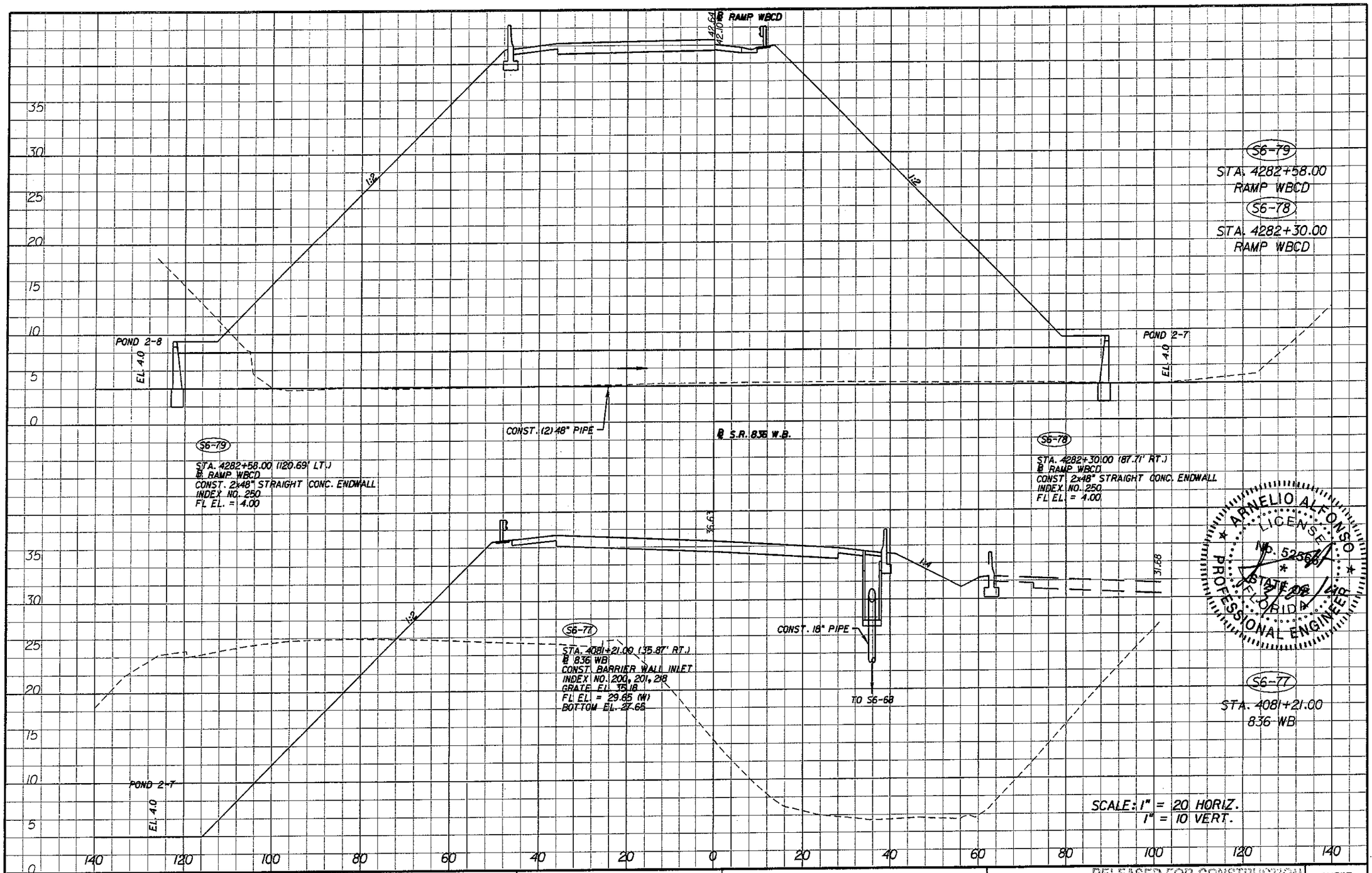
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-78

malfonso 3/7/2011 4:27:12 PM P:\249581\5201-Section 5\Segment 6\Drainage\DRNSRD01.DGN



SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10925 N.W. 41 Street, suite #5
Miami, FL 33178
(305) 592-7983 / fax: (305) 593-1594
CA No. : EB-0000797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

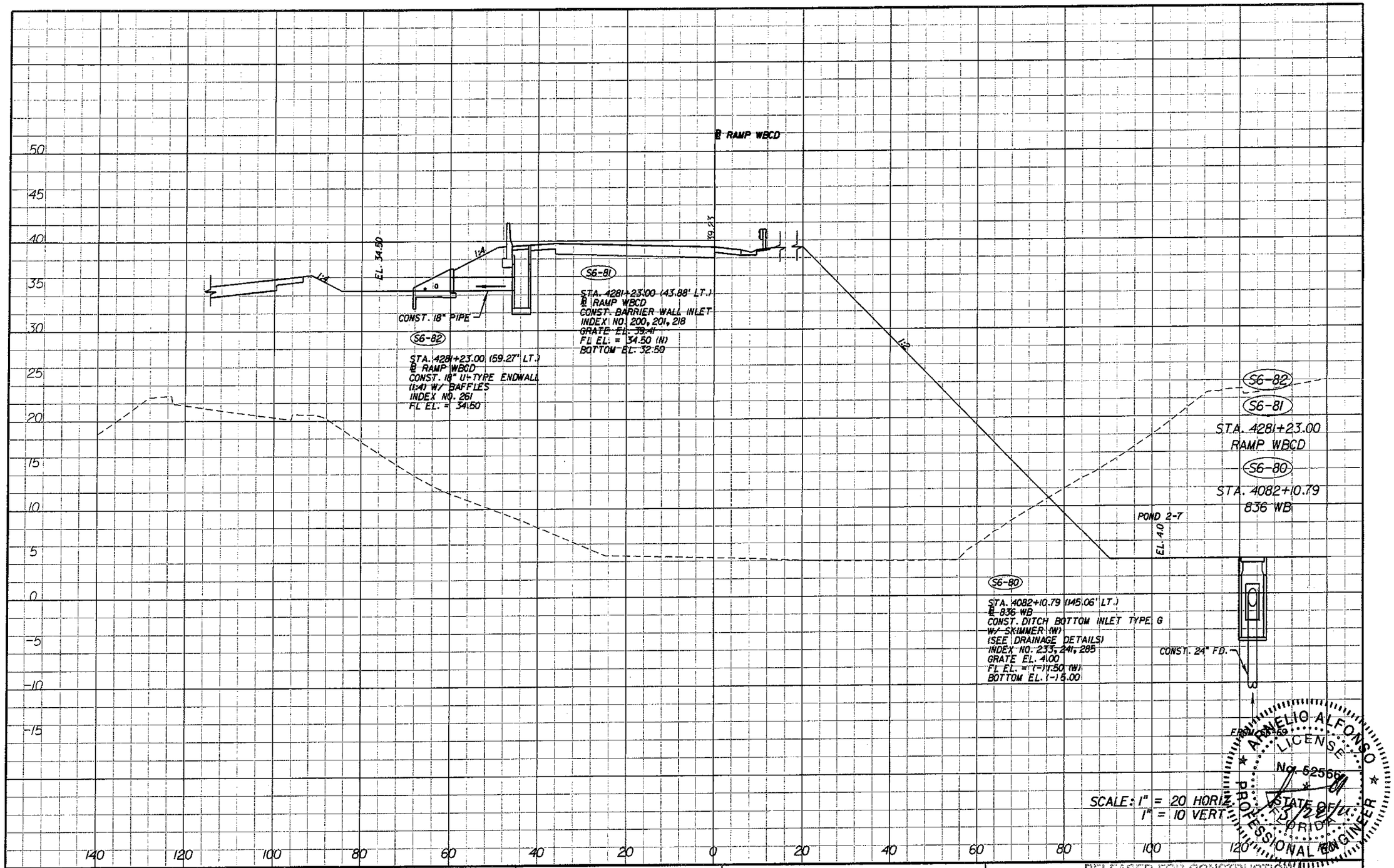
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-79

malfonso 3/28/2011 9:40:36 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER
EXPIRES: 2-28-13
3/22/11

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7285 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

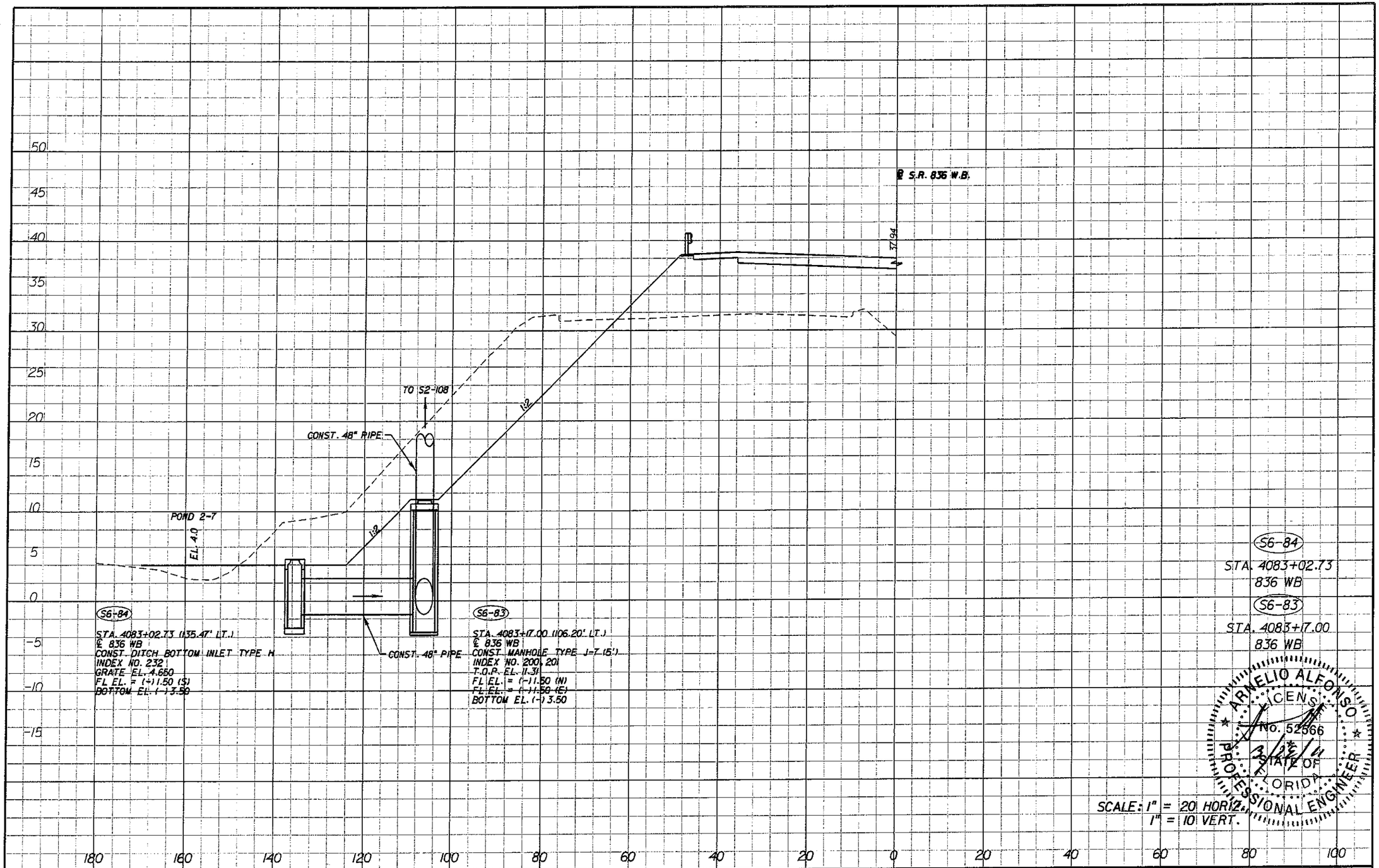
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

SHEET NO. 6-80

malfonso 3/15/2011 9:01:09 AM P:\249581\5201-Section 5\Segment 6\drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

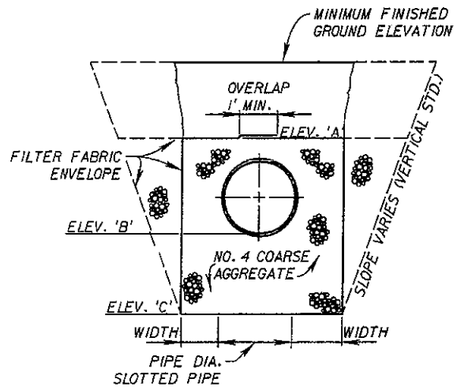
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RELEASED FOR CONSTRUCTION

DRAINAGE STRUCTURES

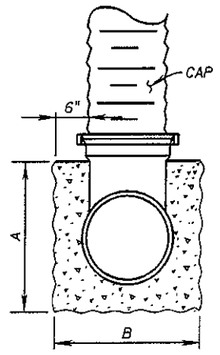
SHEET NO. 6-81

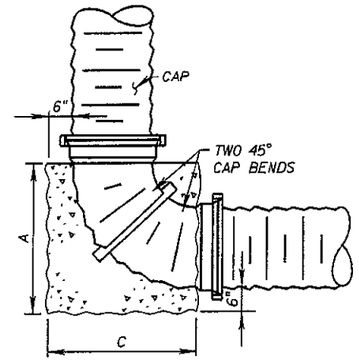
malfonso 3/9/2014 2:37:14 PM P:\249581\5201-Section 5\Segment 6\drainage\DRNSRD01.DGN



ROUND PIPE SHOWN

STANDARD FRENCH DRAIN CROSS SECTION (ENLARGED)
N.T.S.





NOTE:
THRUST BLOCK IS TO BE CONSTRUCTED OF CLASS I CONCRETE. COST OF THRUST BLOCK AND CAP BENDS IS TO BE INCLUDED IN UNIT PRICE OF PIPE.

THRUST BLOCK DETAIL
N.T.S.

CONC. THRUST BLOCK SUMMARY TABLE

PIPE DIA.	A	B	C
18"	3'-0"	2'-6"	3'-0"

FRENCH DRAIN SECTION SUMMARY TABLE

FRENCH DRAIN SECTION	PIPE DIA.	ELEV. 'A'	ELEV. 'B'	ELEV. 'C'	WIDTH
S6-03 TO S6-04	24"	4.50	(-) 0.50	(-) 10.00	1.00'
S6-12 TO S6-22	24"	4.50	(-) 0.50	(-) 10.00	1.00'
S6-25 TO S5-27B	24"	4.50	2.00	(-) 8.00	1.00'
S6-36 TO S6-41	24"	3.50	(-) 1.50	(-) 11.00	1.00'
S6-69 TO S6-80	24"	3.50	(-) 1.50	(-) 11.00	1.00'

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7285 / fax: (305) 593-1594
CA No. : EB-0007791
Arnelio Alfonso, P.E. No. 52566
ENGINEERS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

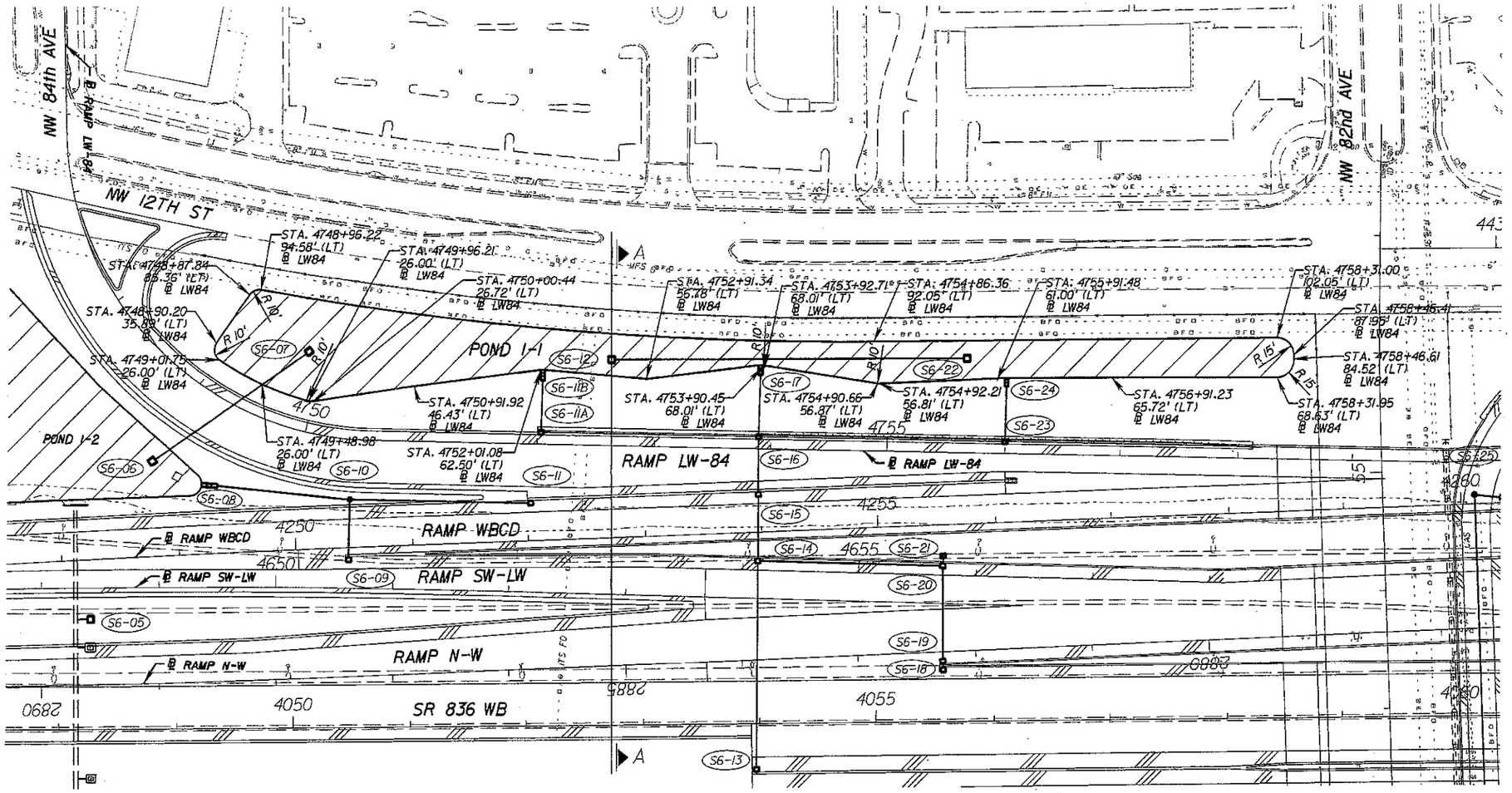
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
836	MIAMI-DADE	24958I-1-52-01

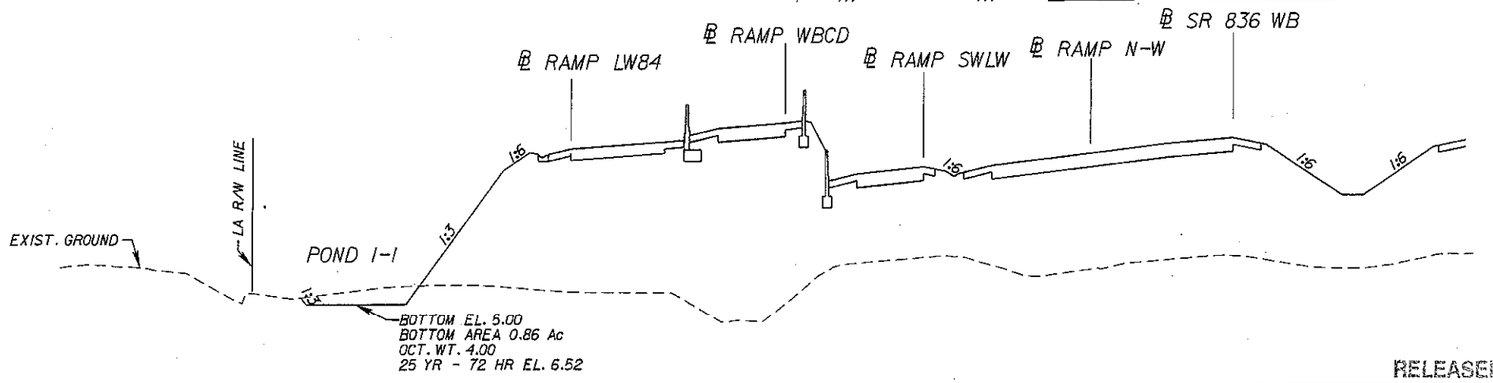
RELEASED FOR CONSTRUCTION

DRAINAGE DETAILS

SHEET NO. 6-82

malfonso 10/22/2010 9:52:19 AM P:\24958I5201-Section 5\Segment 6\drainage\DRDTR000.dgn





SECTION A-A
℄ 836 EB
STA. 1052+72.69
(N.T.S.)

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

RELEASED FOR CONSTRUCTION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007291
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RETENTION PONDS DETAILS
POND 1-1

SHEET NO. 6-83

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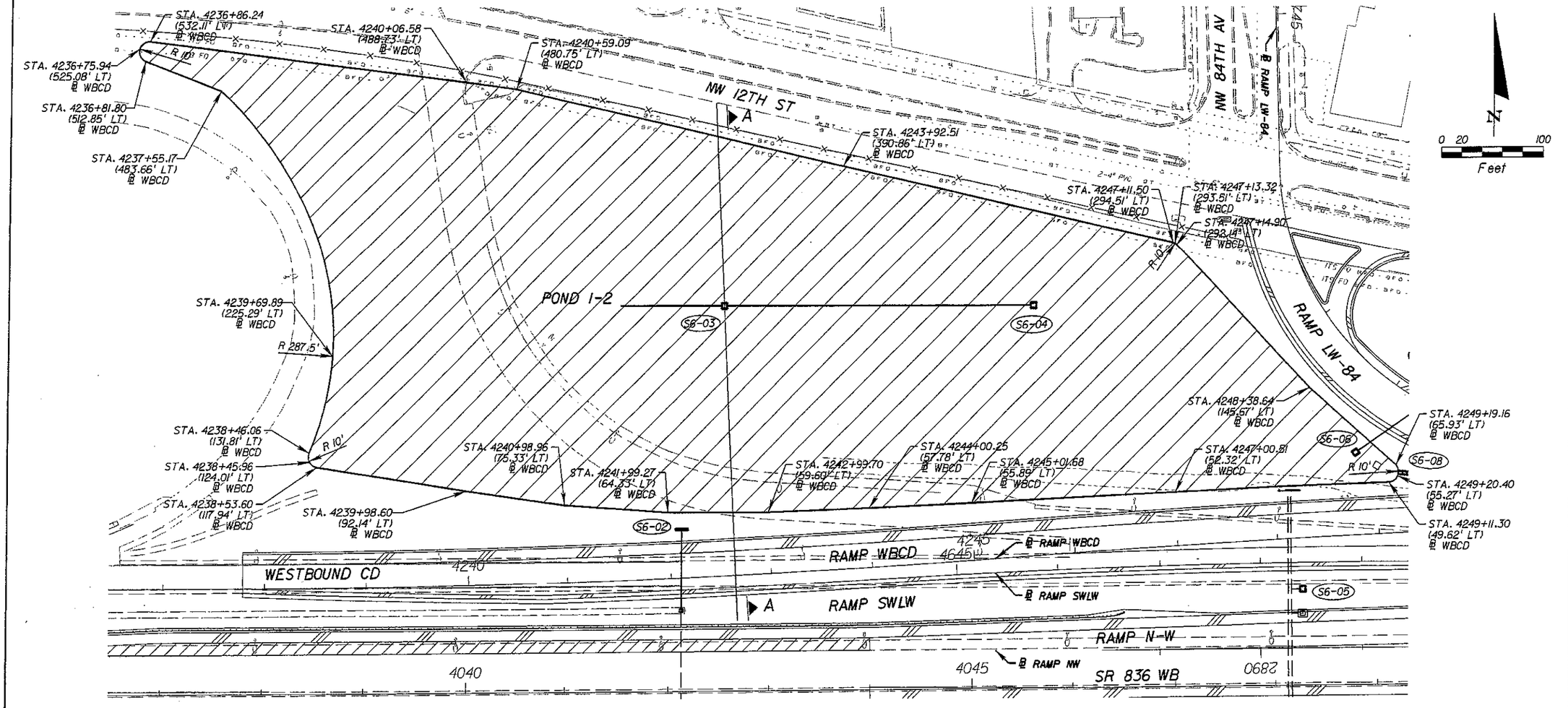

ARNELIO ALFONSO LICENSE No 52586 STATE OF FLORIDA PROFESSIONAL ENGINEER

RELEASED FOR CONSTRUCTION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 105
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0001797
Arnelio Alfonso, P.E. No. 52586

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RETENTION PONDS DETAILS
POND 1-2

SHEET NO. 6-84

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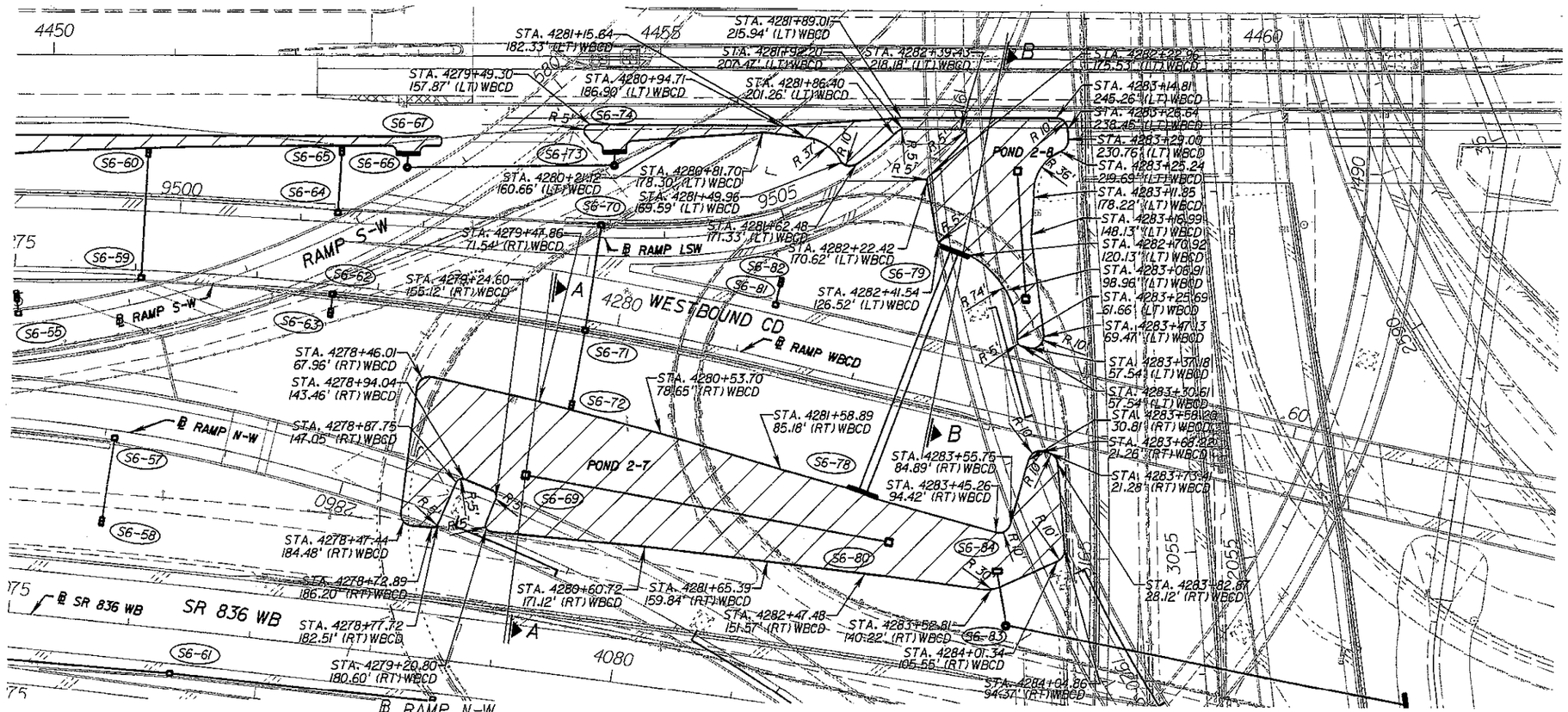
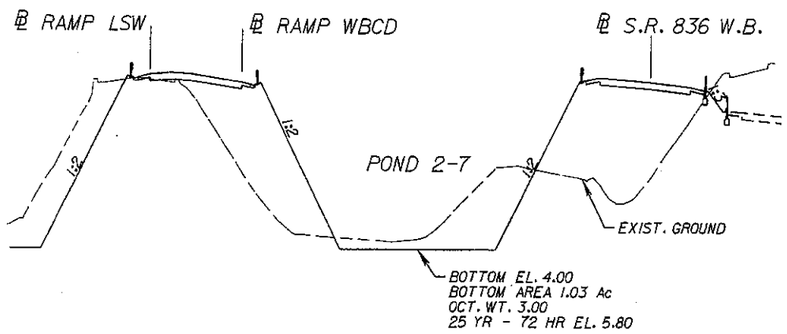
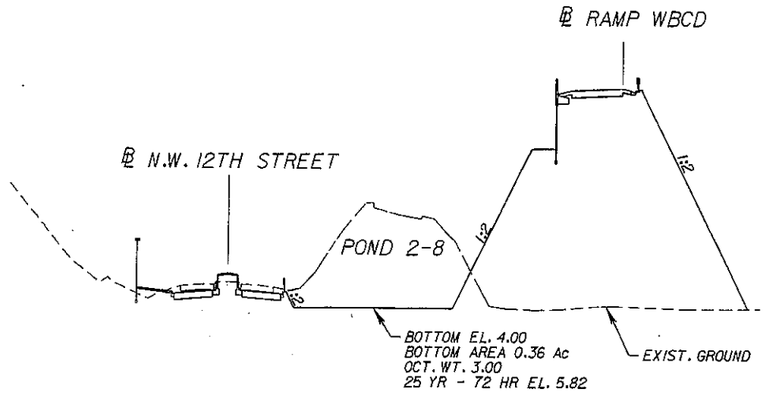




SECTION A-A

℄ 836 WB
STA. 4079+08.88
(N.T.S.)



SECTION B-B

℄ RAMP WBCD
STA. 4282+69.27
(N.T.S.)

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

RELEASED FOR CONSTRUCTION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL. 33178
(305) 592-7683 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RETENTION PONDS DETAILS
POND 2-7 & POND 2-8

SHEET NO. 6-85

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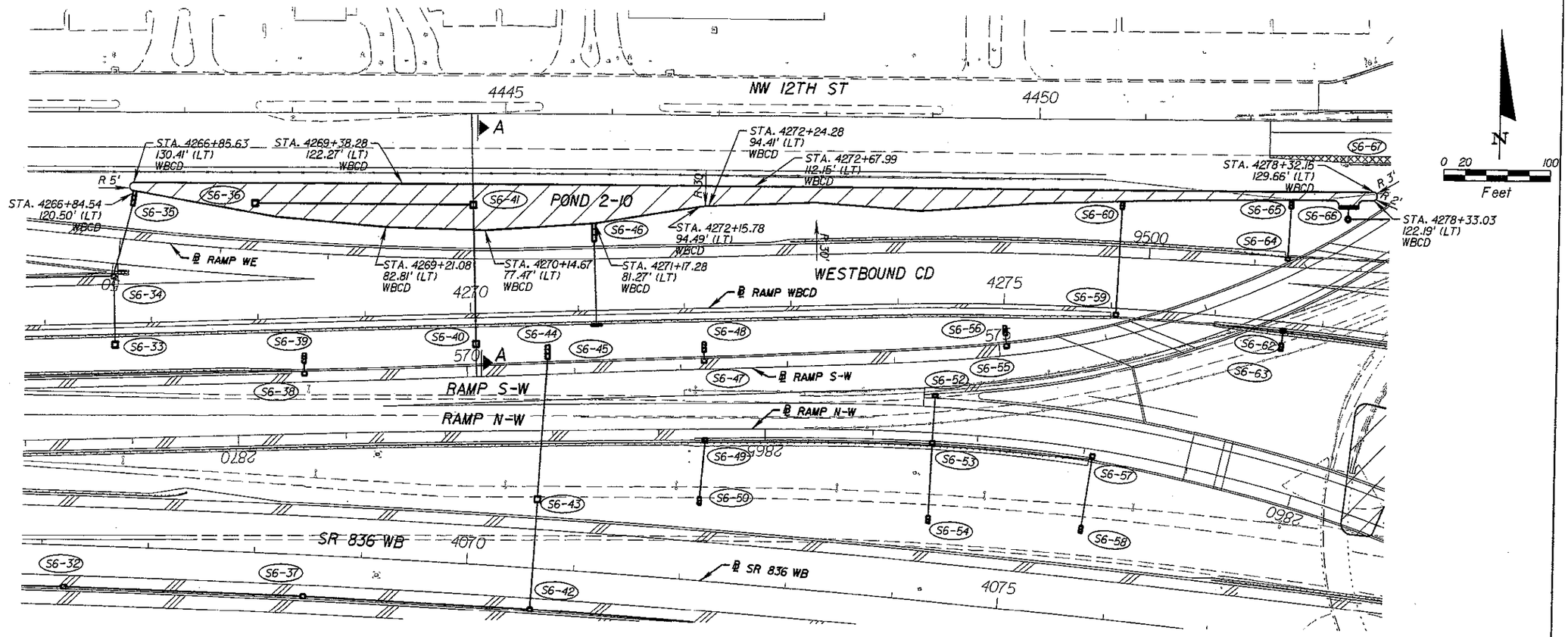
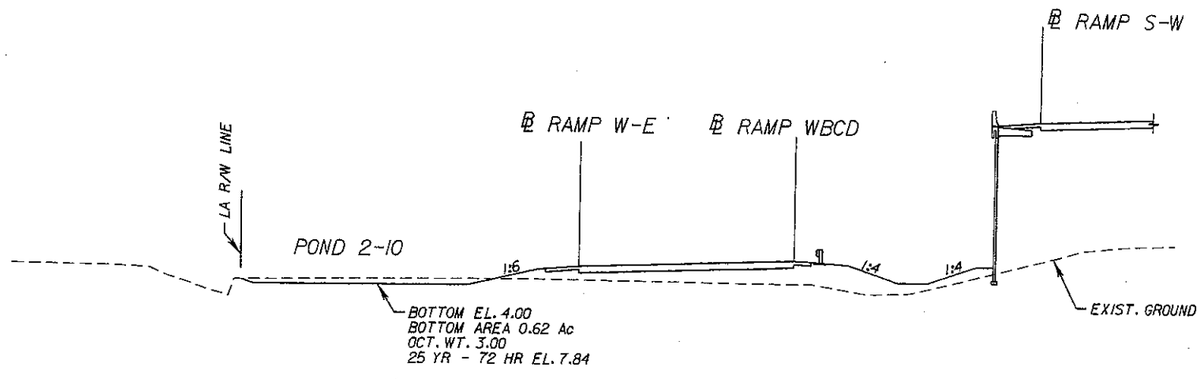




SECTION A-A
℄ RAMP WBCD
STA. 4270+04.48
(N.T.S.)

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER
3/29/11

RELEASED FOR CONSTRUCTION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
8305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0001736
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

RETENTION PONDS DETAILS
POND 2-10

SHEET NO. 6-86

malfonso 3/31/2011 9:58:34 AM P:\249581\5201-Section 5\Segment 6\Drainage\PDPLRD06-04.dgn

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
SIGNING & PAVEMENT MARKING PLANS
LIGHTING PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

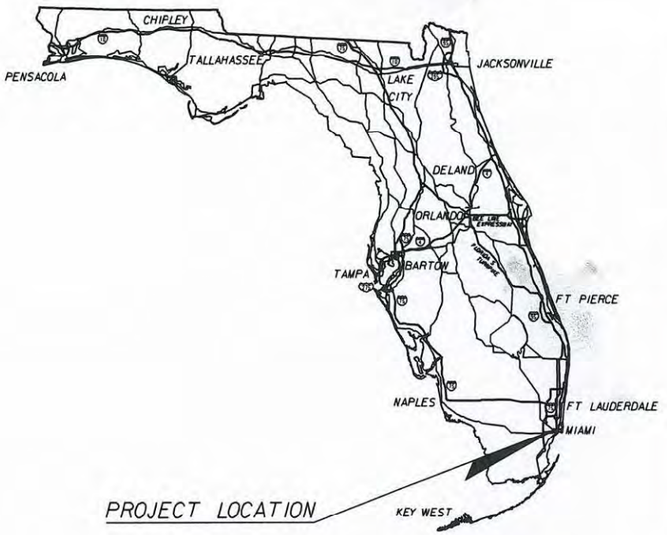
SHEET NO.	SHEET DESCRIPTION
7-1	KEY SHEET
7-2 - 7-5	TYPICAL SECTIONS
7-6 - 7-7	TYPICAL SECTION DETAILS
7-8 - 7-10	SUMMARY OF DRAINAGE STRUCTURES
7-11 - 7-12	OPTIONAL MATERIAL TABULATION
7-13	PROJECT LAYOUT
7-14	CURVE DATA SHEET
7-15 - 7-16	GENERAL NOTES
7-17 - 7-23	ROADWAY PLANS
7-24 - 7-30	ROADWAY PROFILES
7-31 - 7-37	DRAINAGE PLANS
7-38 - 7-41	RAMP TERMINAL DETAILS
7-42 - 7-92	DRAINAGE STRUCTURES
7-93 - 7-94	DRAINAGE DETAILS
7-95 - 7-98	RETENTION POND DETAILS
7-99	MISC. CONSTRUCTION DETAILS
7-100 - 7-101	CROSS SECTION PATTERN
7-102 - 7-176	CROSS SECTIONS
7-177 - 7-183	UTILITY ADJUSTMENTS
CTL7-1 - CTL7-2	PROJECT NETWORK CONTROL
GR7-1	ROADWAY SOILS SURVEY

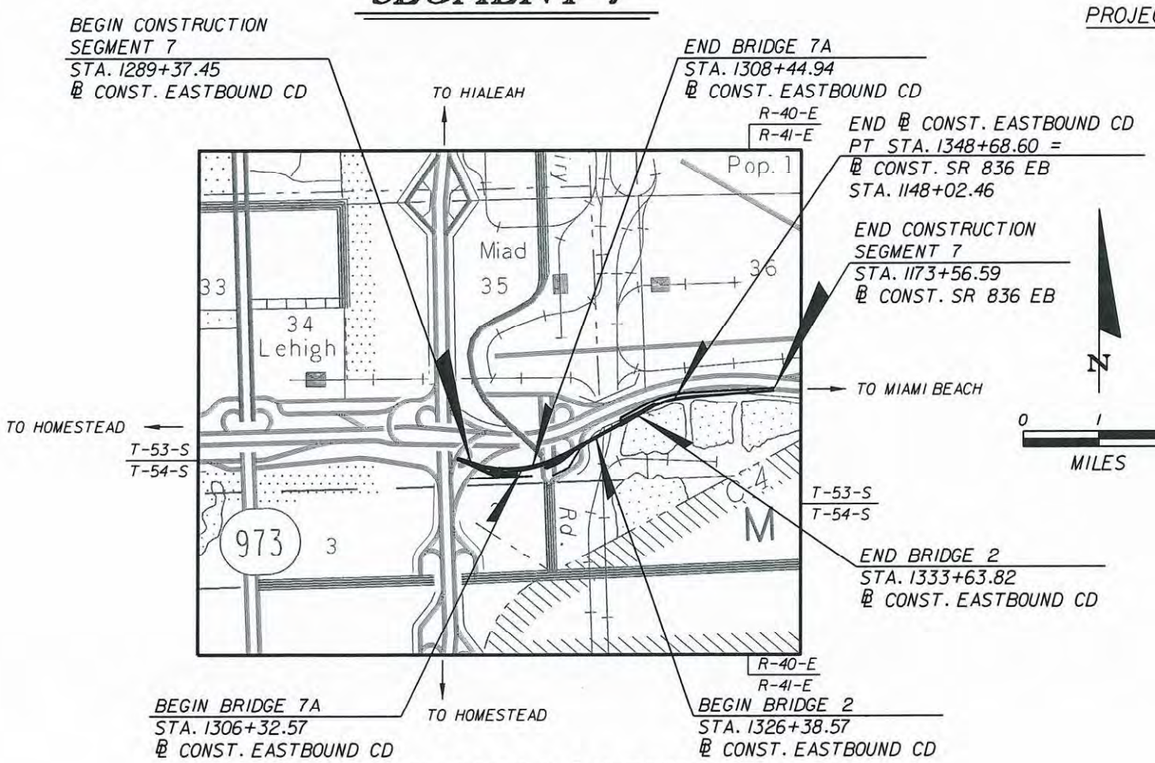
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 249581-1-52-01
(FEDERAL FUNDS)
MIAMI-DADE COUNTY (87260)
SR-826/SR-836 INTERCHANGE
SECTION 5

SEGMENT 7





ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:

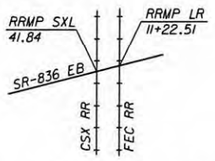
JOSE MUNOZ, P.E.
BCC ENGINEERING
7300 N KENDALL DRIVE,
SUITE 400
MIAMI, FL 33156
PH: (305) 670-2350

PLANS PREPARED BY:

C3TS, PA
901 PONCE DE LEON BLVD., SUITE 900
CORAL GABLES, FLORIDA 33134
MIAMI (305)-445-2900 FLORIDA (800)-448-0227
CERTIFICATION OF AUTHORIZATION NO. 0005022
VENDOR ID NO. 650039493001
CONSULTANT CONTRACT NO. E-6F61

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2008,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2007,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 07-01-09
For Design Standards Modifications click on
"Design Standards" at the following web site:
http://www.dot.state.fl.us/rddesign/



FEC RR CROSSING No. 272789N
CSXT RR CROSSING No. 628534F

PROJECT LENGTH IS BASED ON ℄ CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	7728.46	1.464
BRIDGES	937.62	0.177
NET LENGTH OF PROJECT	8666.08	1.641
EXCEPTIONS	0.00	0.00
GROSS LENGTH OF PROJECT	8666.08	1.641

FDOT PROJECT MANAGER: ALI TOGHIANI, P.E.

KEY SHEET REVISIONS	
DATE	DESCRIPTION

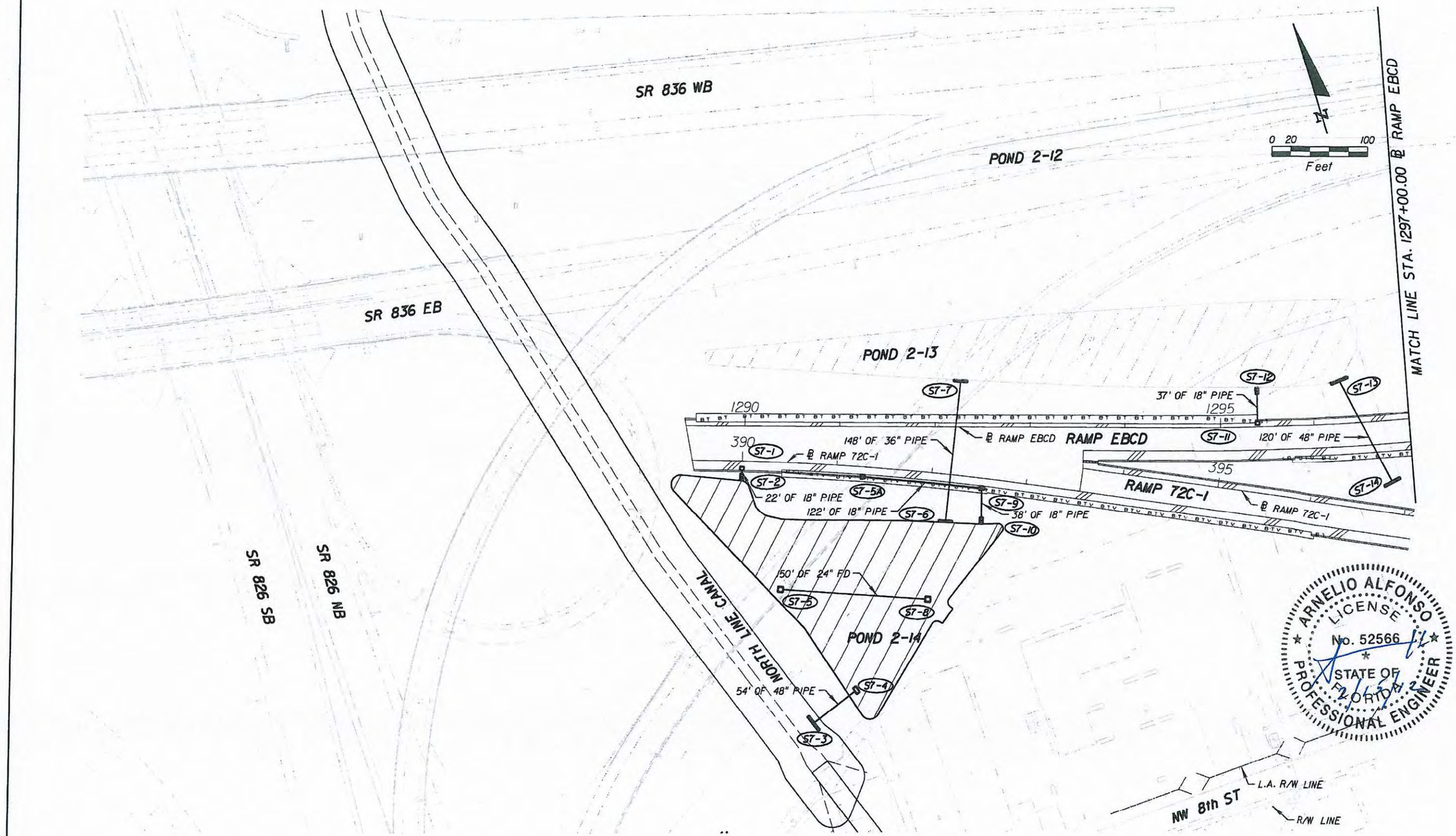
NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

LUIS EDUARDO LAZO
LICENSE
No. 57518
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ROADWAY PLANS
ENGINEER OF RECORD: LUIS E. LAZO, P.E.

P.E. NO.: 57518

FISCAL YEAR	SHEET NO.
09	7-1



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, Suite 115
Miami, FL 33178
(305) 592-7281 / fax: (305) 593-1594
CA No. : EB-0027797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS

SHEET NO. 7-31

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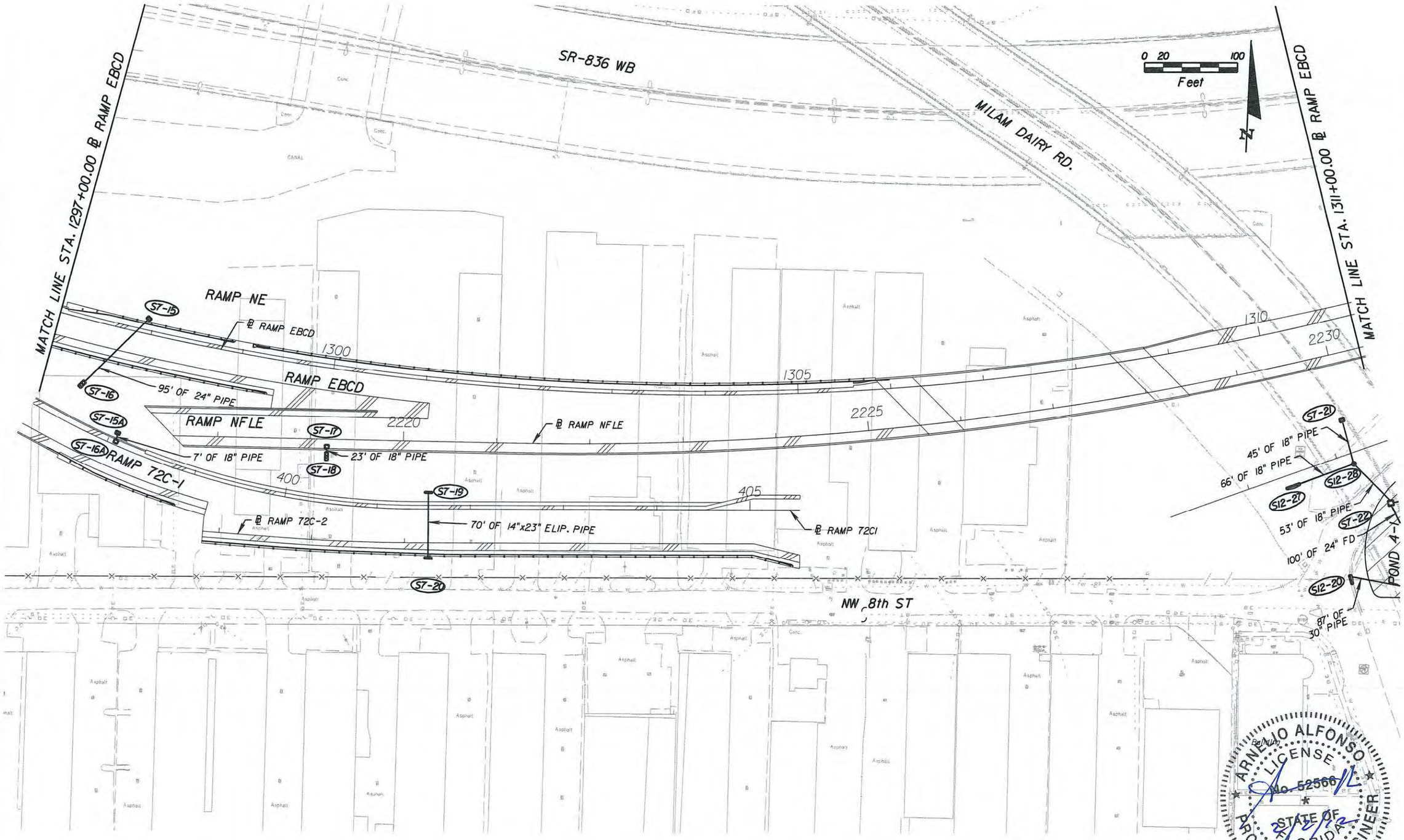

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/2/12

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7285 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS

SHEET NO. 7-32

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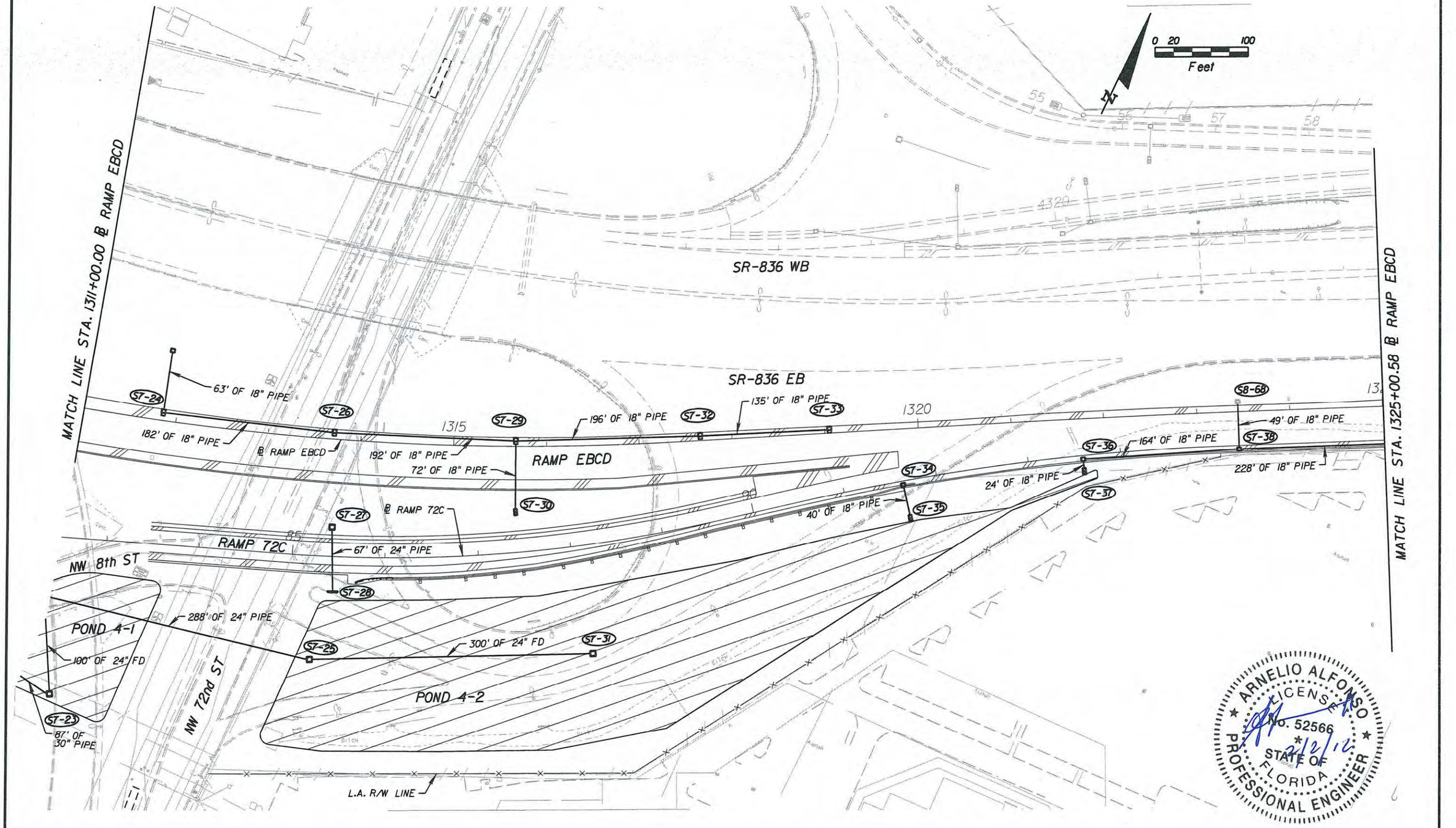


REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

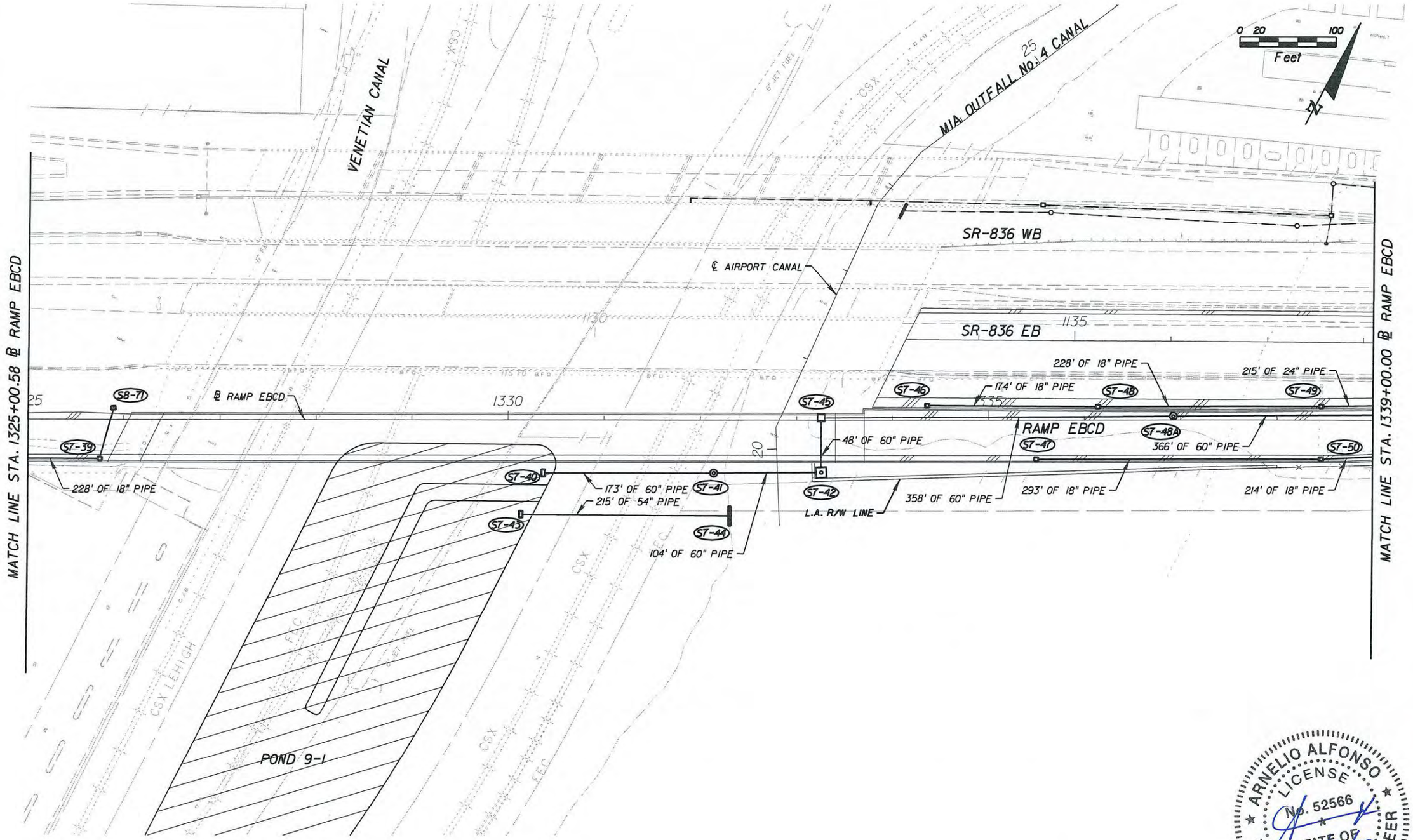
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS

SHEET NO. 7-33

vmartinez 2/2/2012 1:2:02 PM P:\249581\5201-Section 5\Segment 7\drainage\DRPLAN07-03.dgn



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/2/12

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7293 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS

SHEET NO. 7-34

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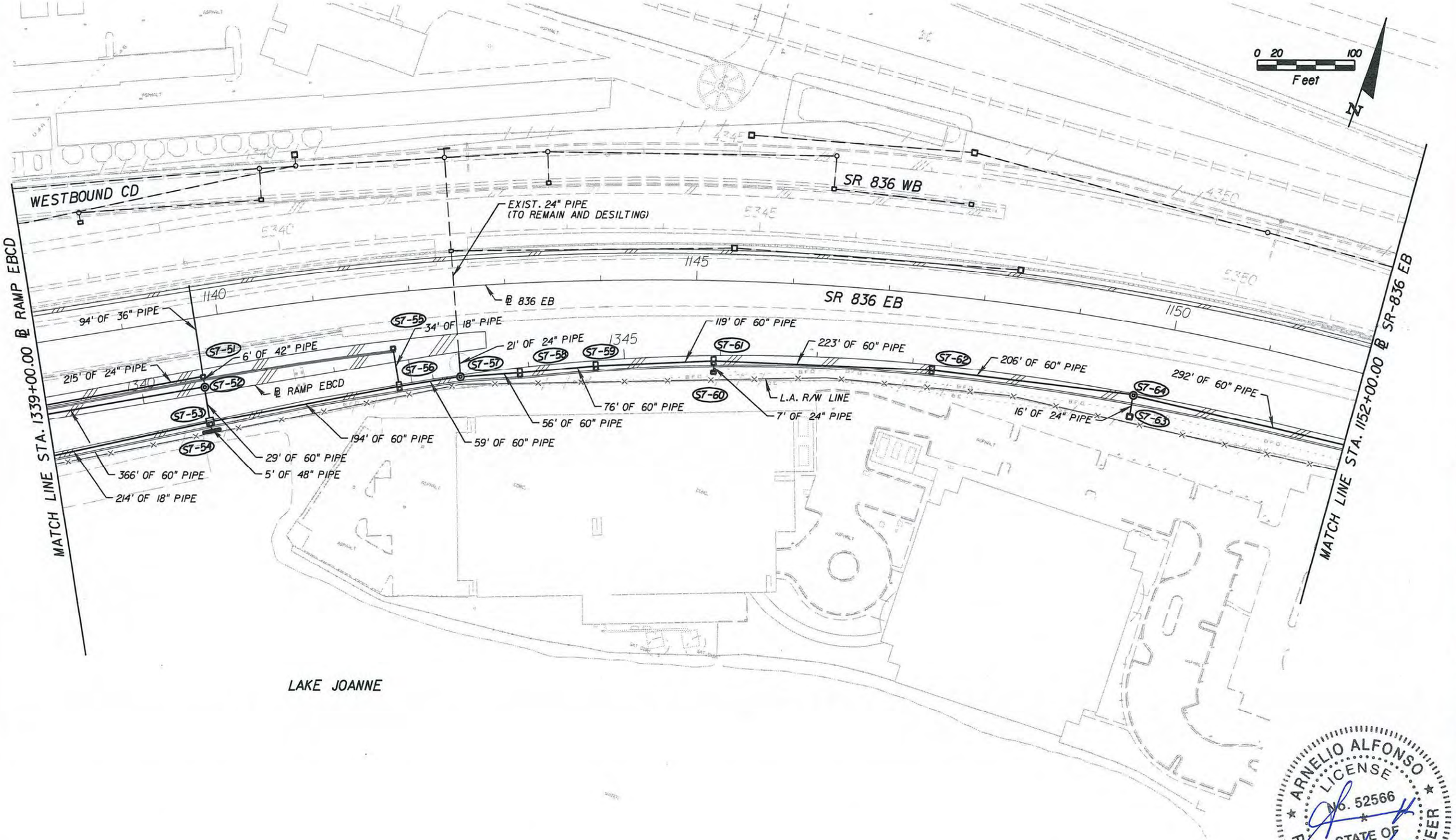


ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/2/12

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

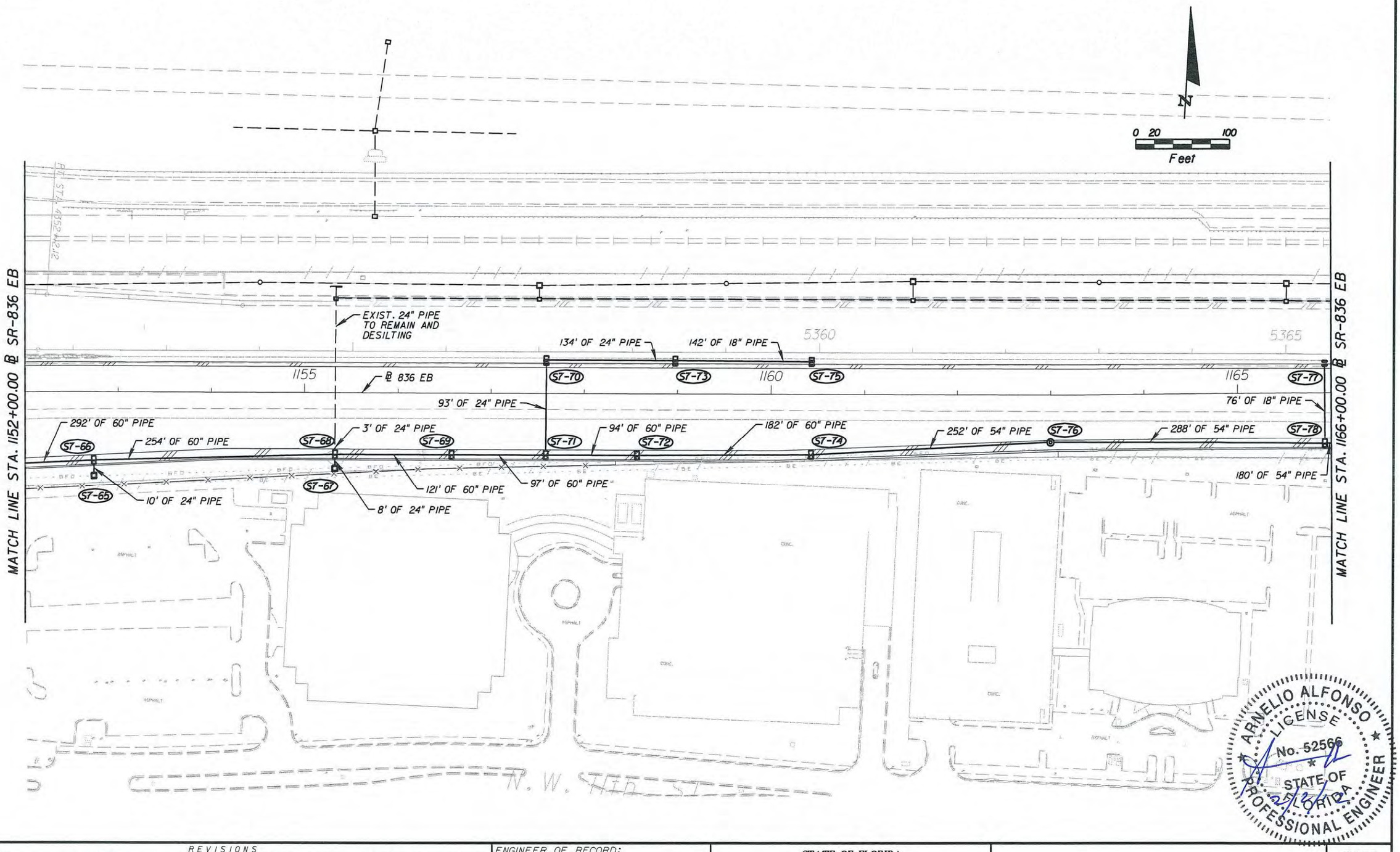
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS

SHEET NO. 7-35

malfonso 2/2/2012 1:17:35 PM P:\249581\5201-Section 5\Segment 7\drainage\DRPLAN07-05.dgn



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

2/2/12

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS

SHEET NO. 7-36

malfonso 2/2/2012 1:18:09 PM P:\249581\5201-Section 5\Segment 7\drainage\DRPLAN07-06.dgn

0 20 100
Feet
N

MATCH LINE STA. 1166+00.00 ℄ SR-836 EB

R/W LINE

L.A. R/W LINE

EXIST. 15" PIPE TO REMAIN AND DESILTING

EXIST. 15" PIPE TO REMAIN AND DESILTING

℄ 836 EB

1170

1175

59' OF 54" PIPE

215' OF 54" PIPE

180' OF 54" PIPE

7' OF 24" PIPE

3' OF 15" PIPE

164' OF 54" PIPE

17' OF 24" PIPE

3' OF 15" PIPE

22' OF 24" PIPE

POND 9-2

ST-79 ST-80 ST-81 ST-82 ST-83 ST-84 ST-85

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

2/2/12

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

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10305 N.W. 41 Street, suite 115
Miami, FL 33178
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CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

ENGINEERS

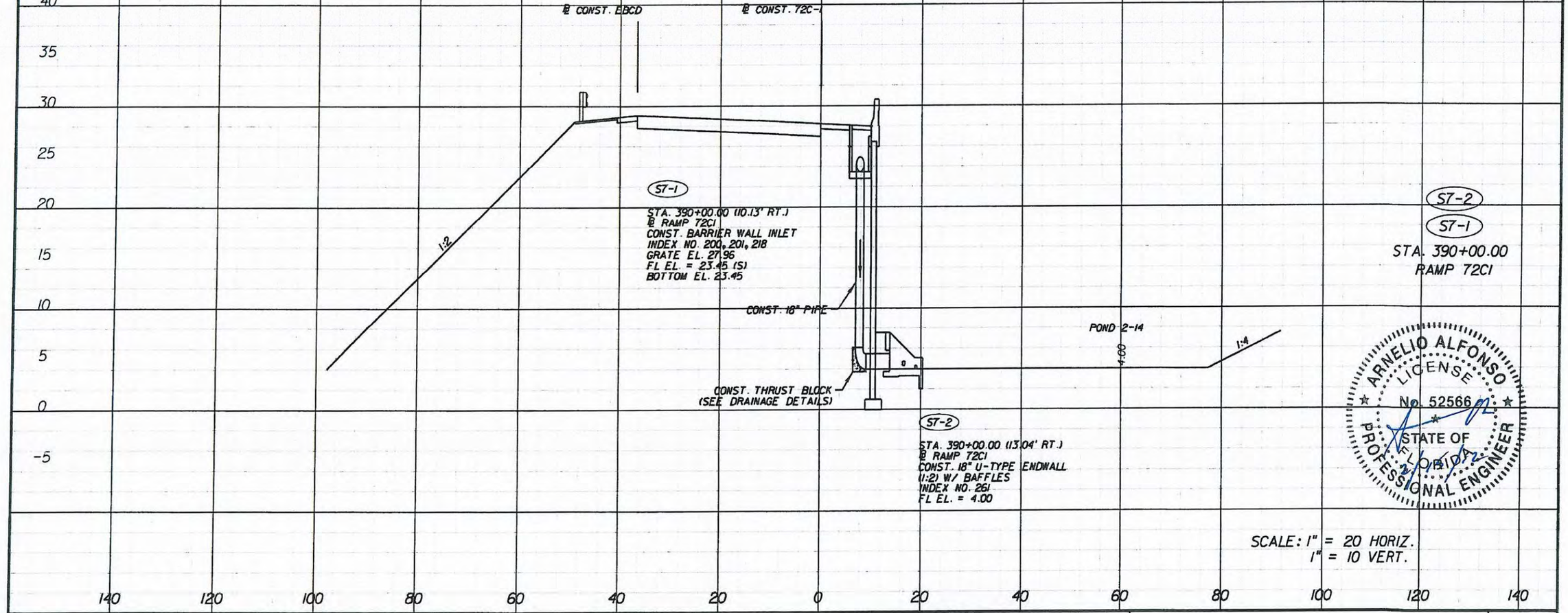
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE PLANS

SHEET NO. 7-37

malfonso 2/2/2012 1:18:43 PM P:\249581\5201-Section 5\Segment 7\drainage\DRPLAN07-07.dgn



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
AIPCT ENGINEERS
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 593-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

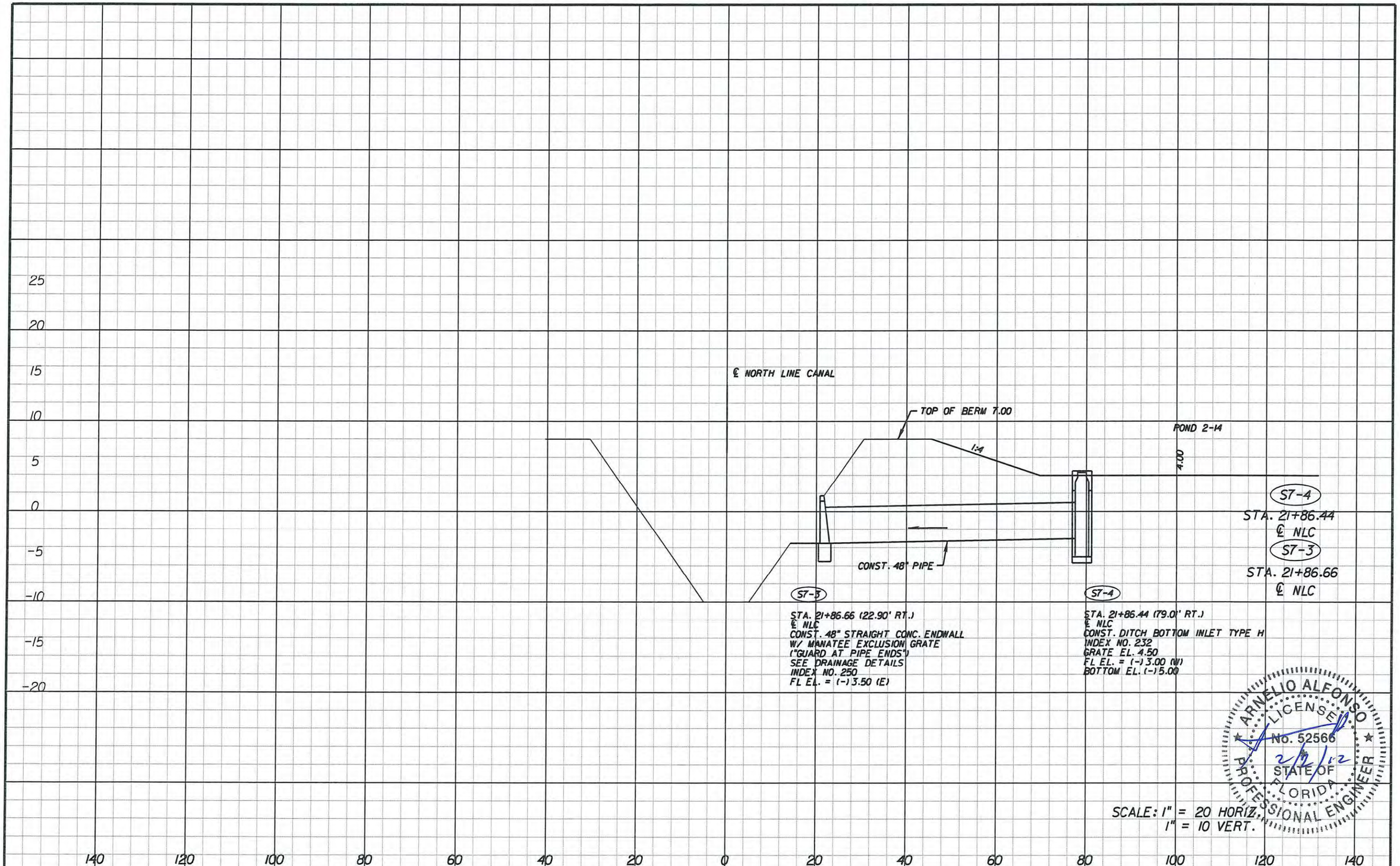
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-42

malfonso 2/15/2012 4:14:58 PM P:\249581\5201-Section 5\Segment 7\drainage\DRYSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
2/2/12
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

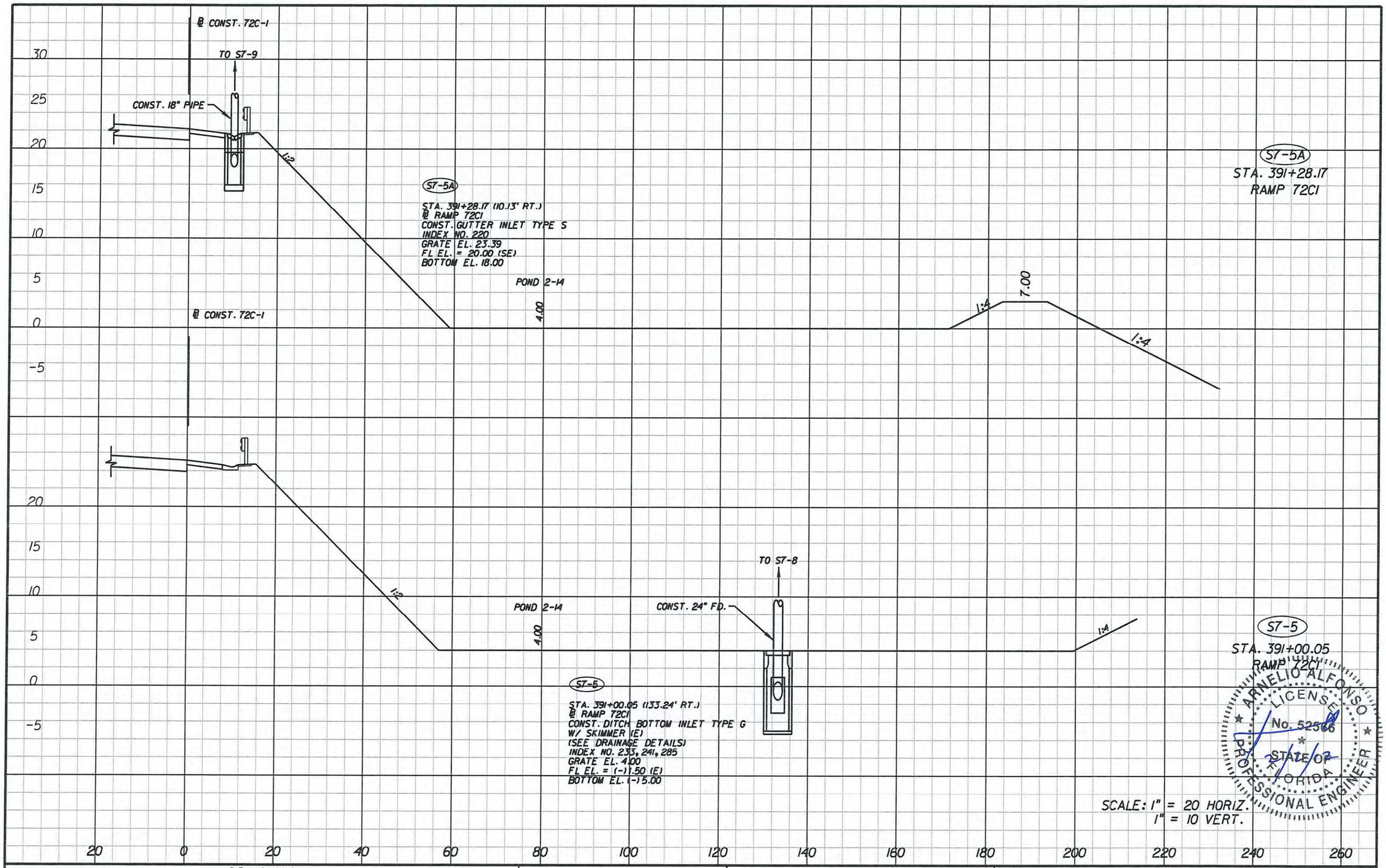
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. 1, EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-43



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

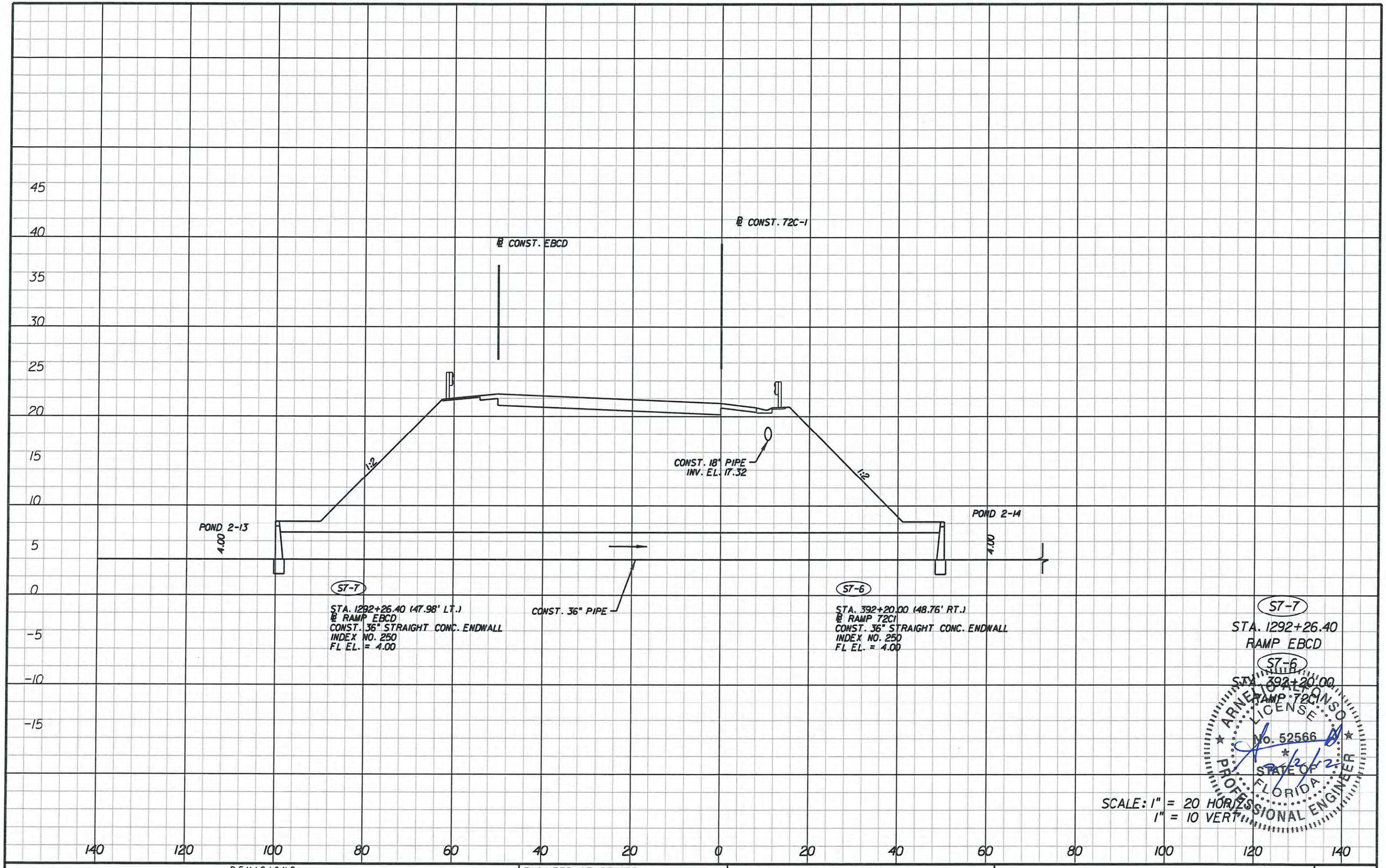
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-44

malfonso 2/2/2012 1:40:06 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

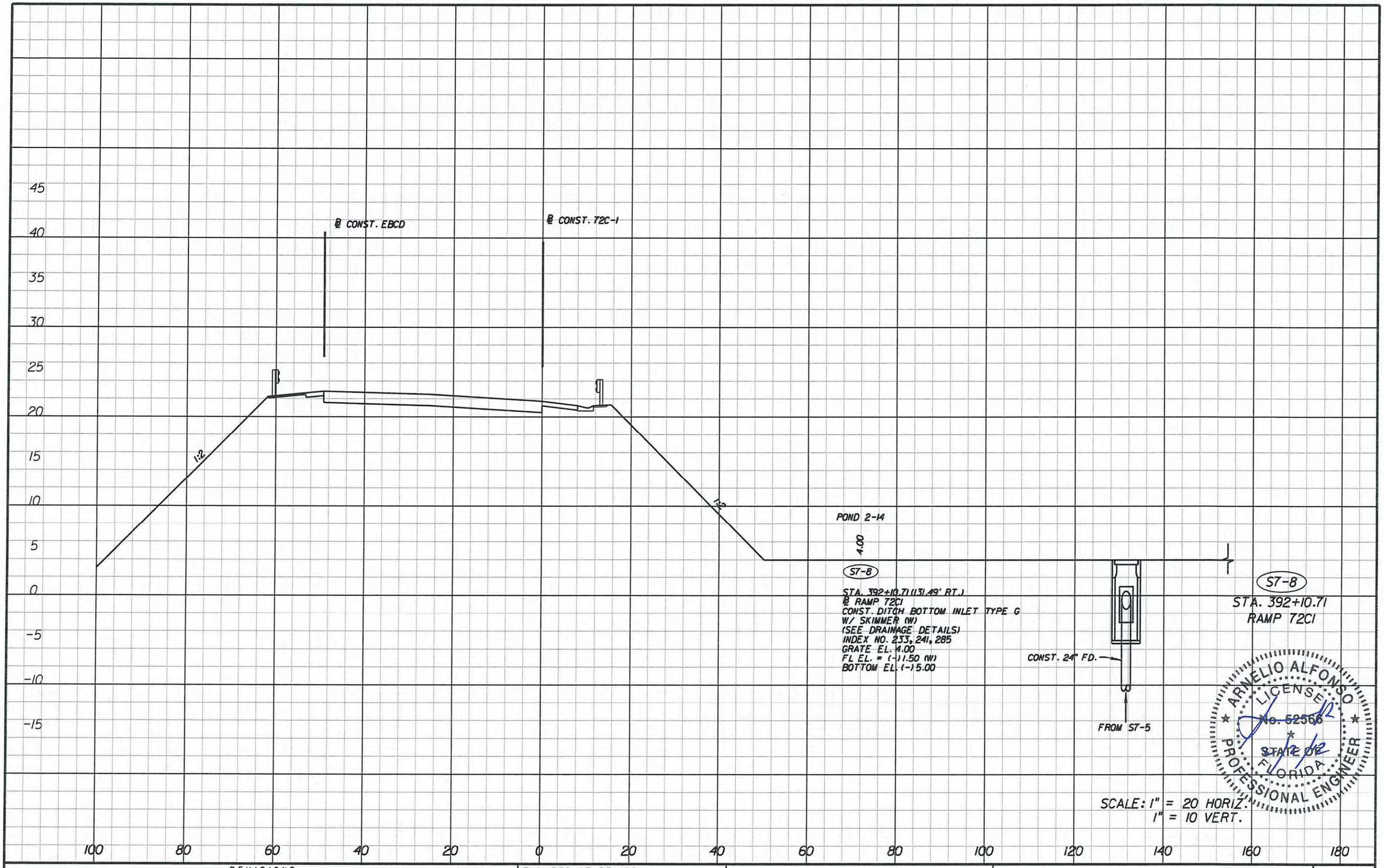
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / Fax: (305) 593-1594
CA No. - EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-45



ARNELIO ALFONSO
LICENSED
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / Fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

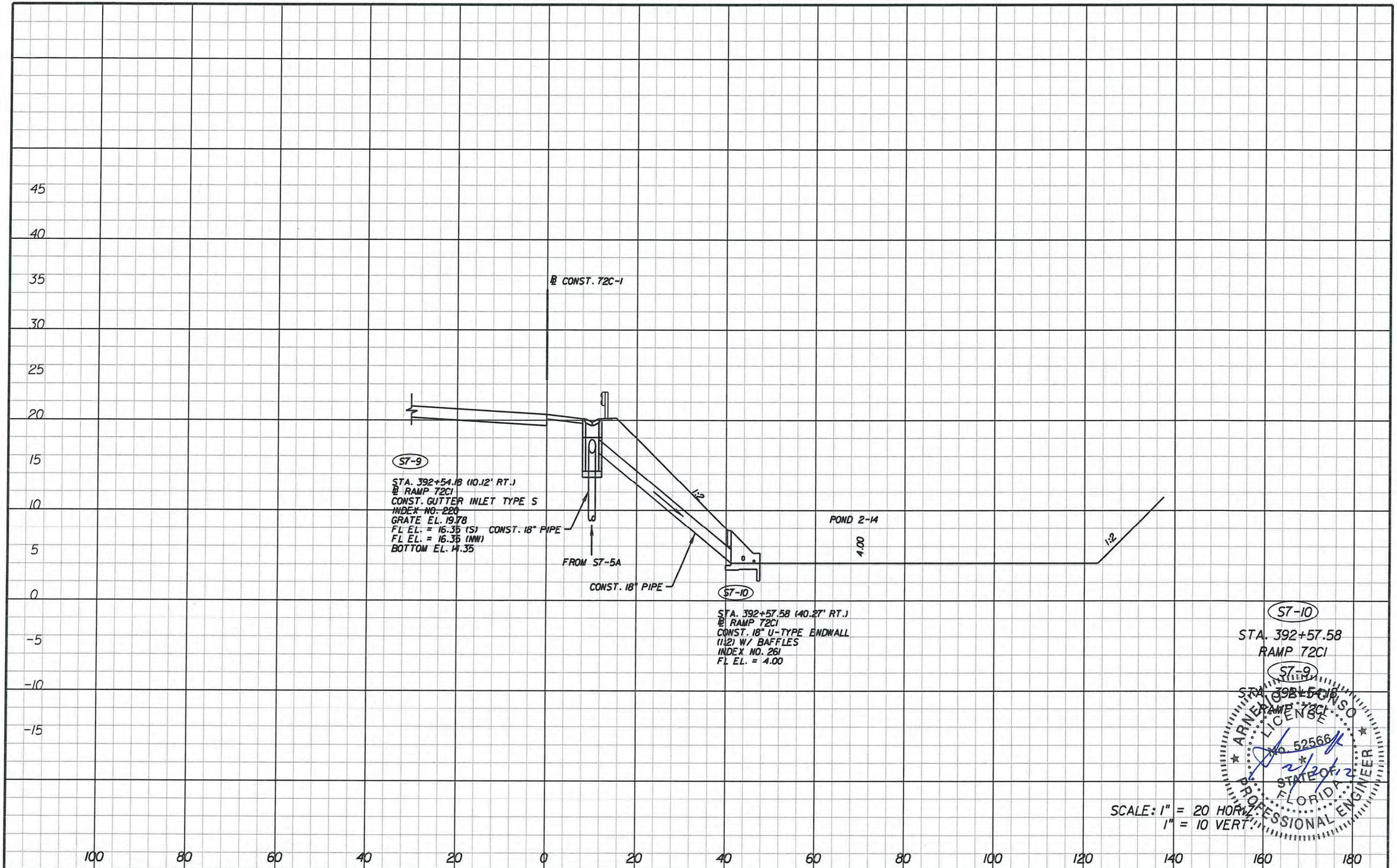
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-46

malfonso 2/2/2012 1:41:00 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSR001.DGN



SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

2/2/12

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
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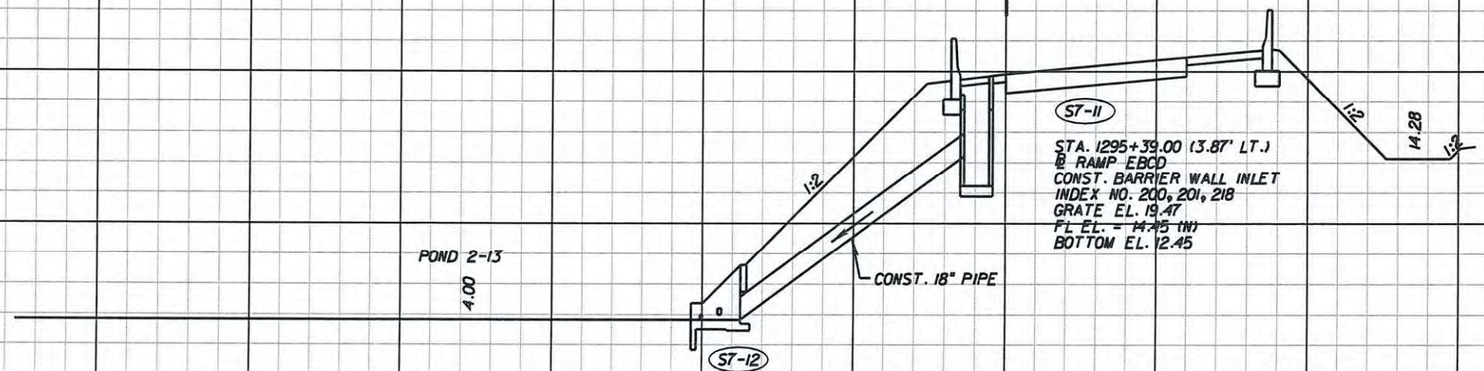
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-47



S7-12

S7-11

STA. 1295+39.00

RAMP EBCD

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

2/2/12

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

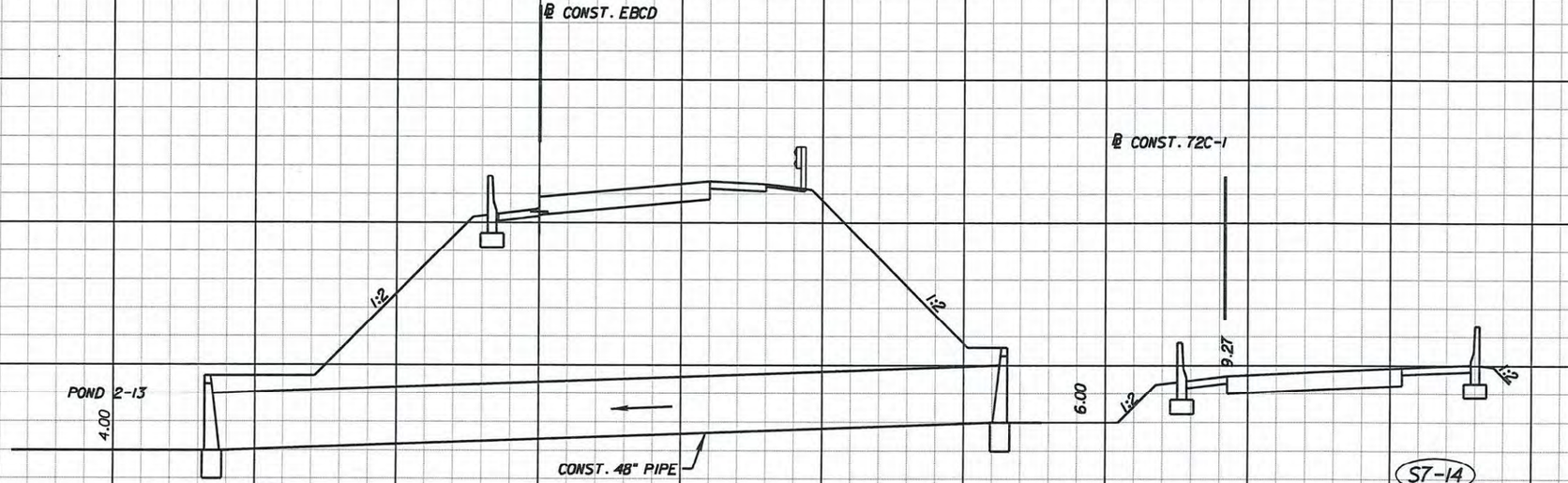
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-48

malfonso 2/2/2012 1:41:53 PM P:\249581\5201-Section 5\Segment 7\drainage\DRYSRD01.DGN



STA. 1296+28.65 (45.01' LT.)
@ RAMP EBCD
CONST. 48" STRAIGHT CONC. ENDWALL
INDEX NO. 250
FL EL. = 4.00

STA. 1296+78.00 (64.08' RT.)
@ RAMP EBCD
CONST. 48" STRAIGHT CONC. ENDWALL
INDEX NO. 250
FL EL. = 6.00

STA. 1296+78.00
RAMP EBCD

STA. 1296+28.65
RAMP EBCD

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
ENGINEERS
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / Fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

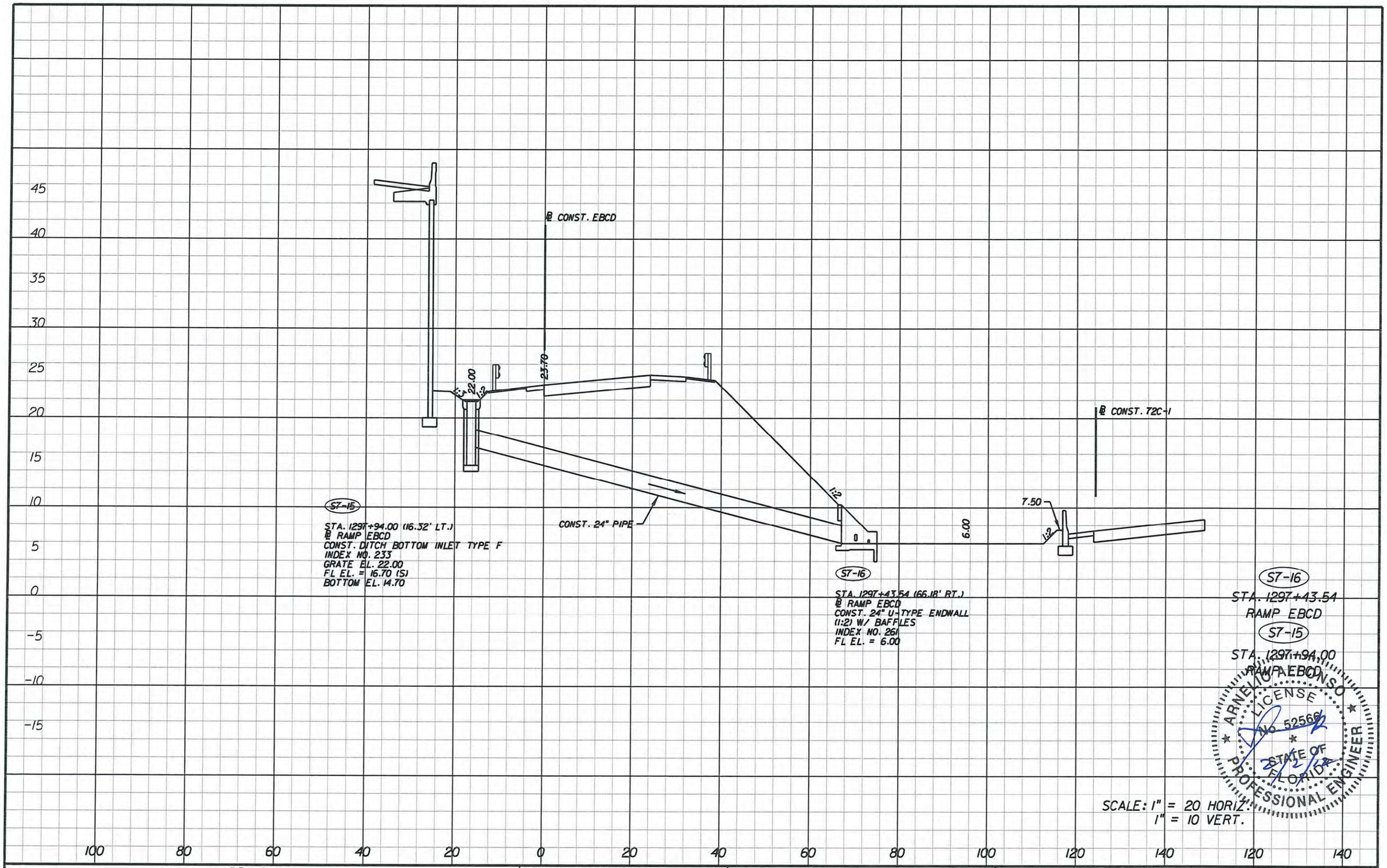
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-49

malfonso 2/2/2012 1:42:28 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER 2/2/12

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

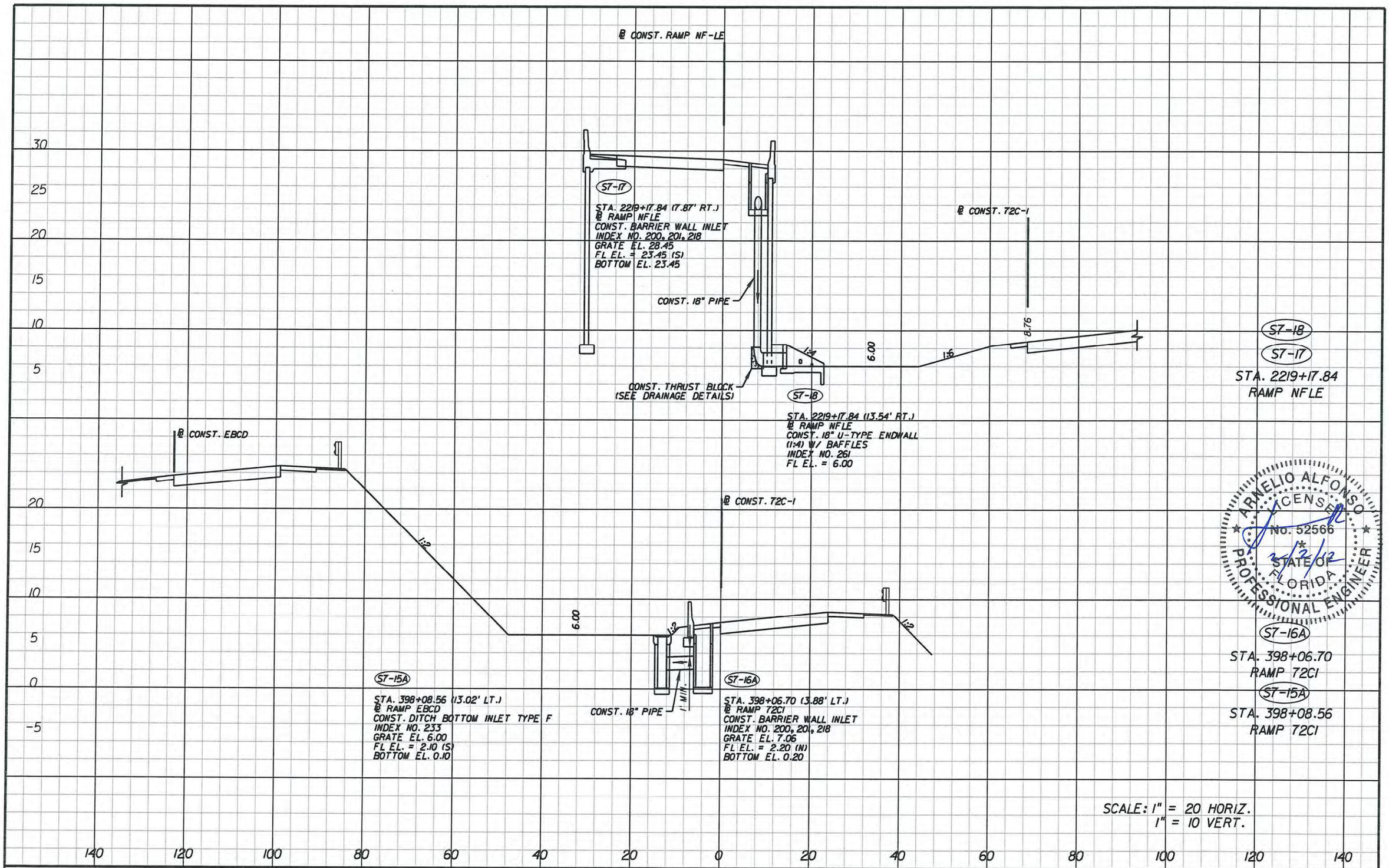
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-50

malfonso 2/2/2012 1:42:54 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSED
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/2/12

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

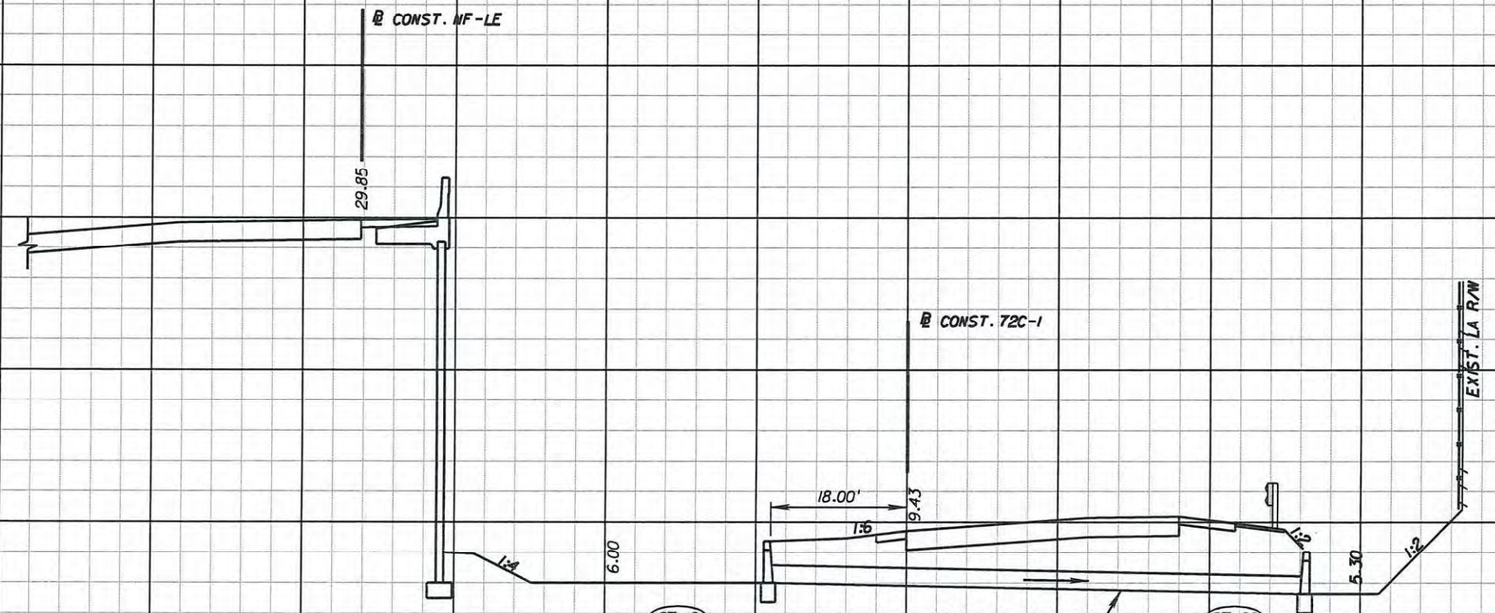
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-51

malfonso 2/2/2012 1:44:31 PM P:\249581\5201-Section 5\Segment 7\drainage\DRYSRD01.DGN



S7-19

STA. 401+55.00 (17.67' LT.)
@ RAMP 72CI
CONST. 18" STRAIGHT CONC. ENDWALL
INDEX NO. 250
FL EL. = 6.00

S7-20

STA. 401+55.00 (52.03' RT.)
@ RAMP 72CI
CONST. 18" STRAIGHT CONC. ENDWALL
INDEX NO. 250
FL EL. = 5.30

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/2/12

S7-20

S7-19

STA. 401+55.00
RAMP 72CI

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

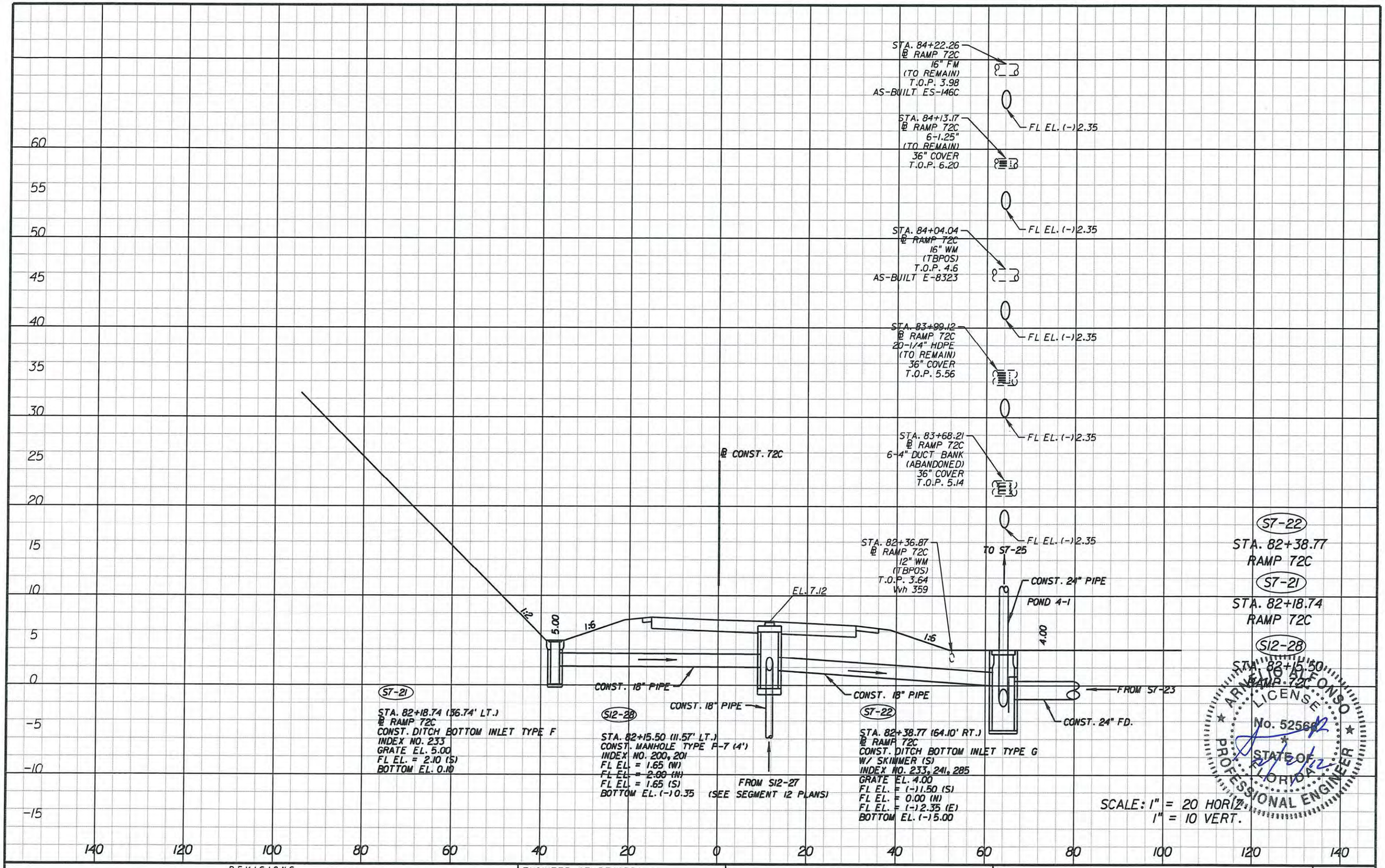
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-52

malfonso 2/2/2012 1:45:02 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

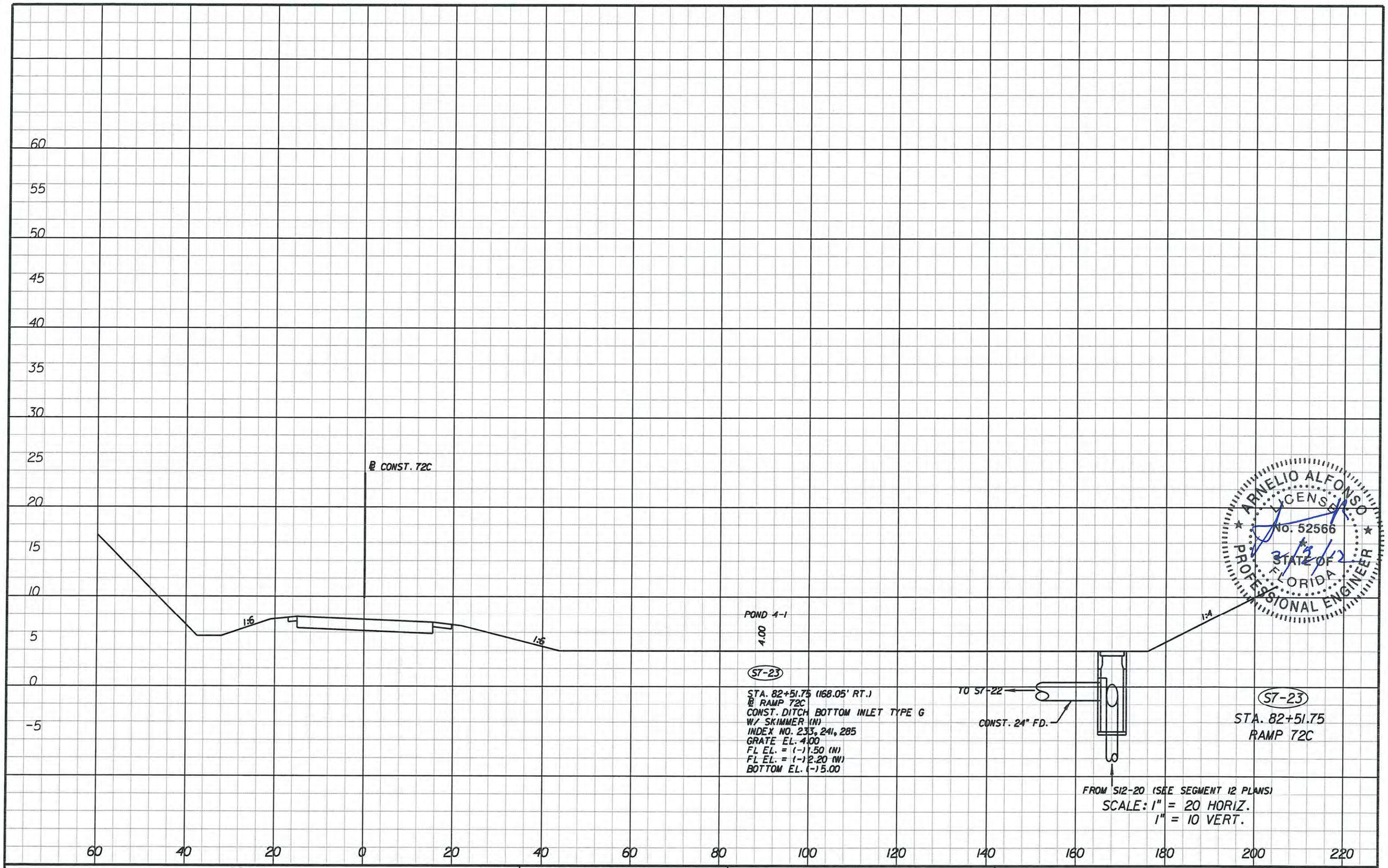
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-53

malfonso 2/2/2012 1:45:36 PM P:\249581\5201-Section 5\Segment 7\drainage\DRYSRD01.DGN



SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

ARNELIO ALFONSO
LICENSED
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER
3/13/12

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

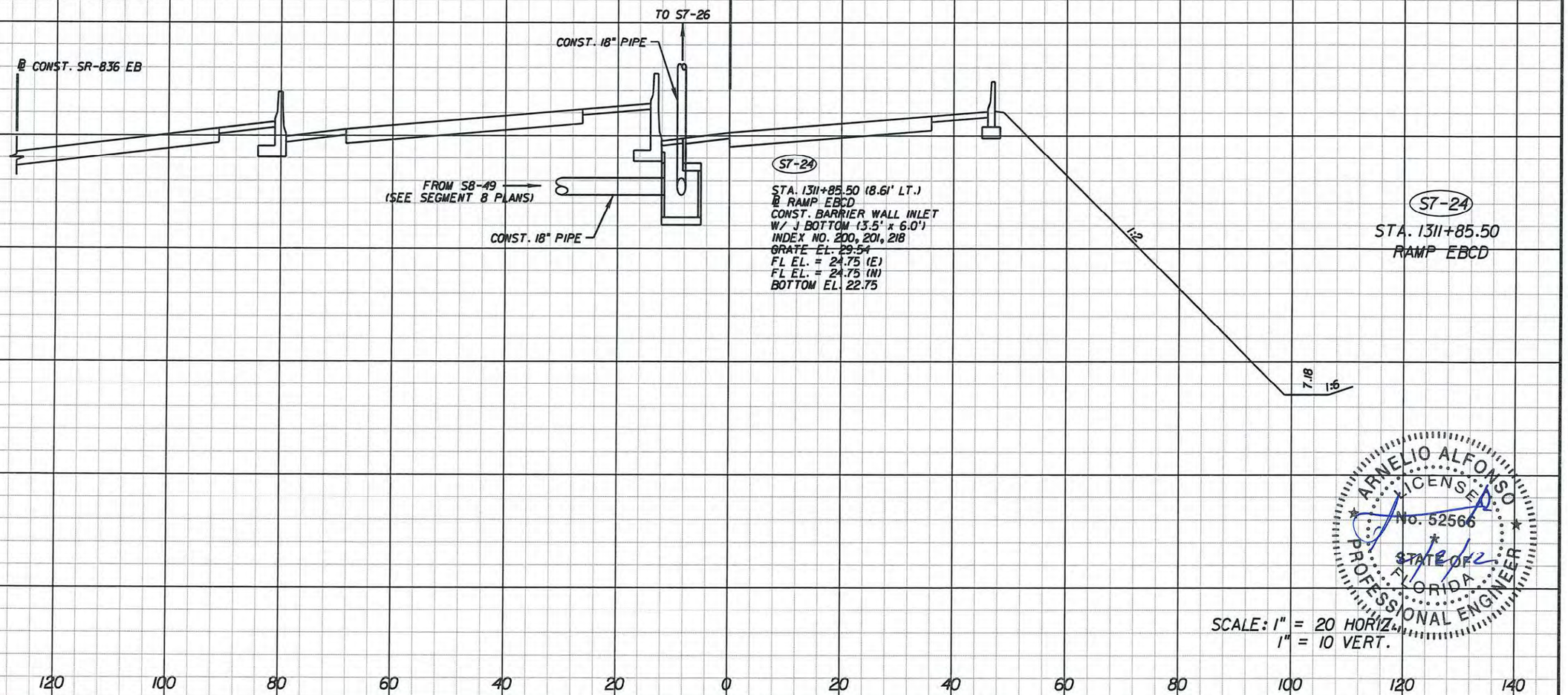
ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007791
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-54



S7-24

STA. 1311+85.50 (8.61' LT.)
℄ RAMP EBCD
CONST. BARRIER WALL INLET
W/ J BOTTOM (3.5' x 6.0')
INDEX NO. 200, 201, 218
GRATE EL. 29.54
FL EL. = 24.75 (E)
FL EL. = 24.75 (N)
BOTTOM EL. 22.75

S7-24
STA. 1311+85.50
RAMP EBCD

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

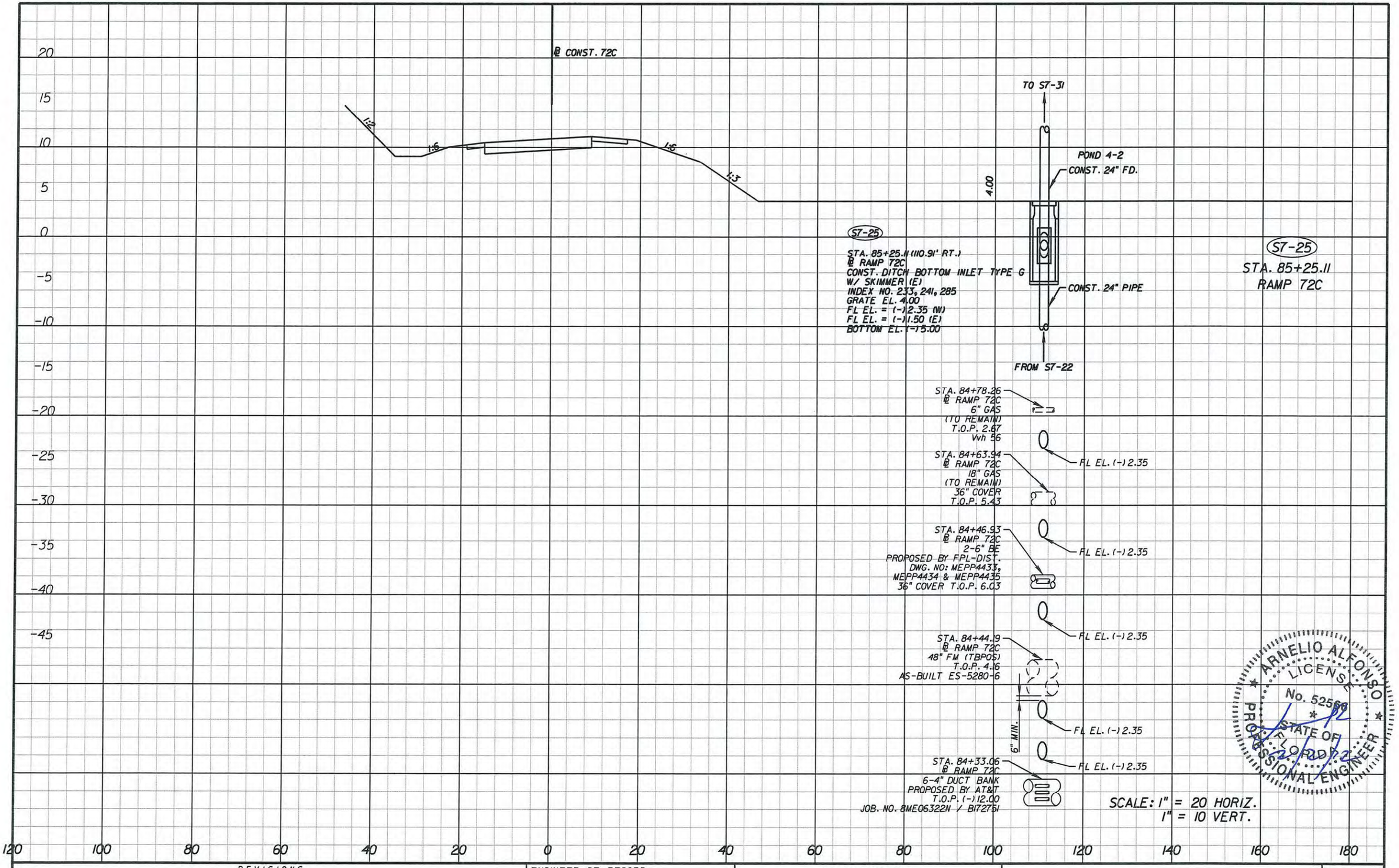
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-55

malfonso 2/2/2012 1:46:23 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

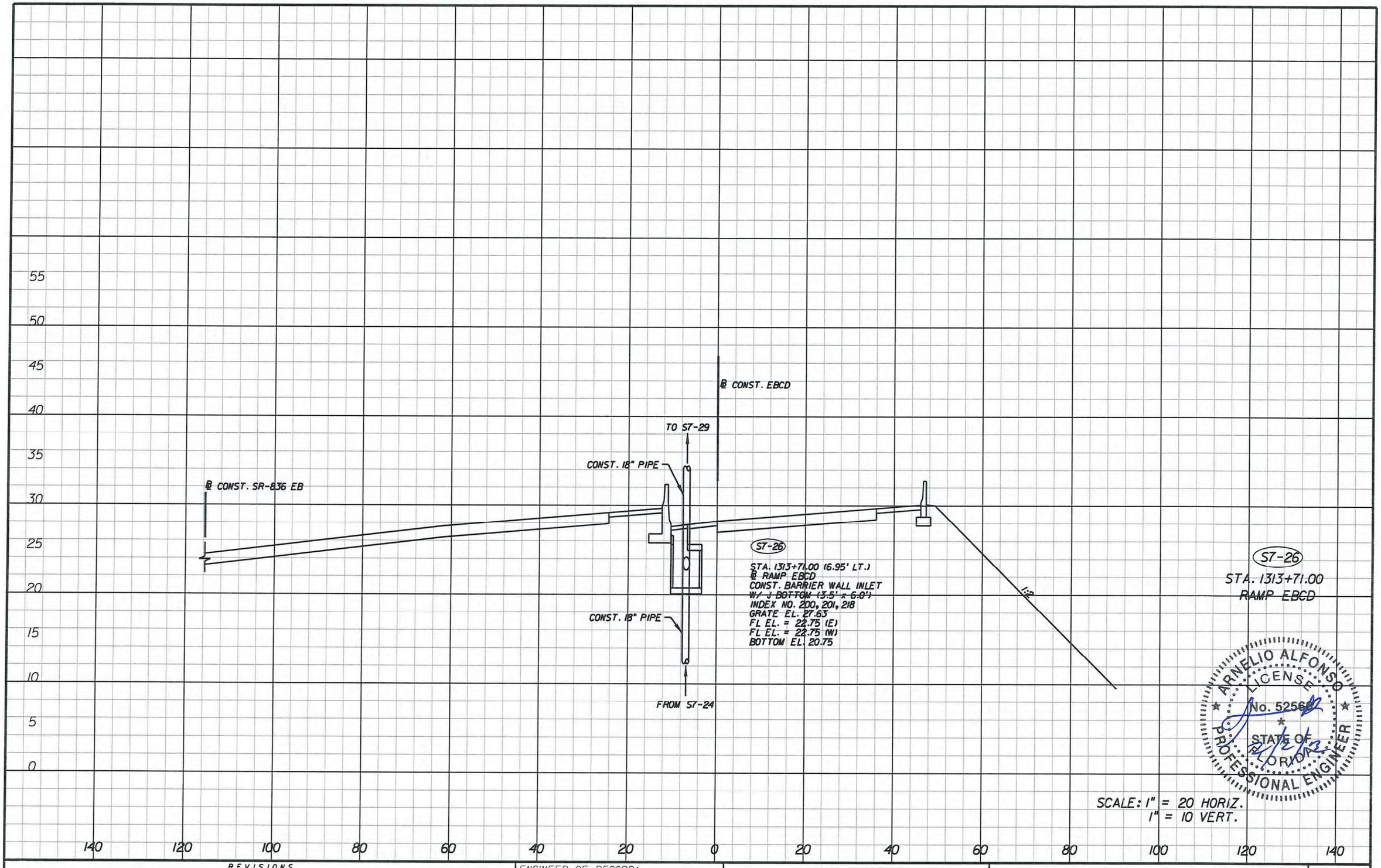
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-56



S7-26

STA. 1313+71.00

RAMP EBCD

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007197
Arnelio Alfonso, P.E. No. 52566

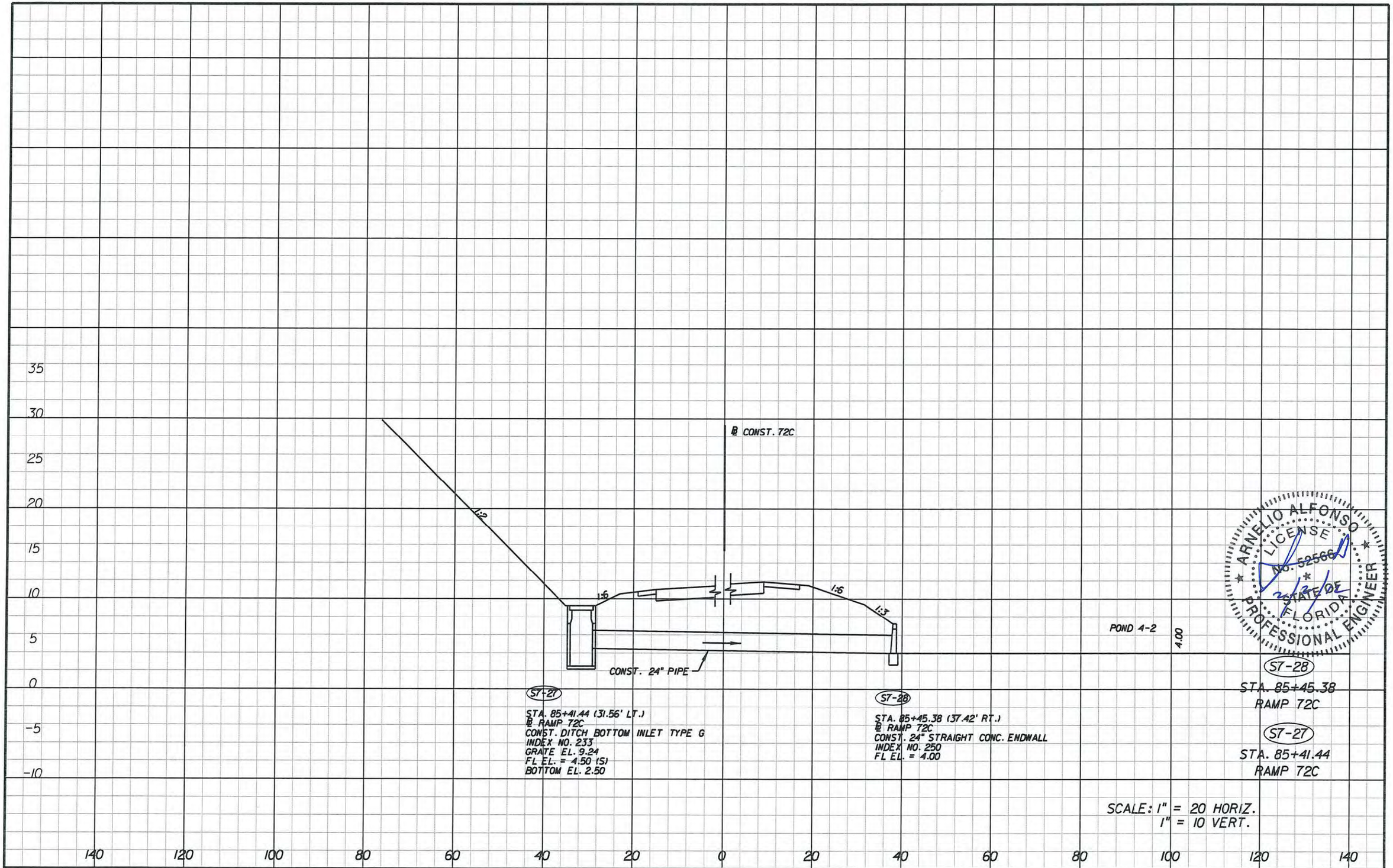
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-57

malfonso 2/2/2012 1:47:09 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSE NO. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

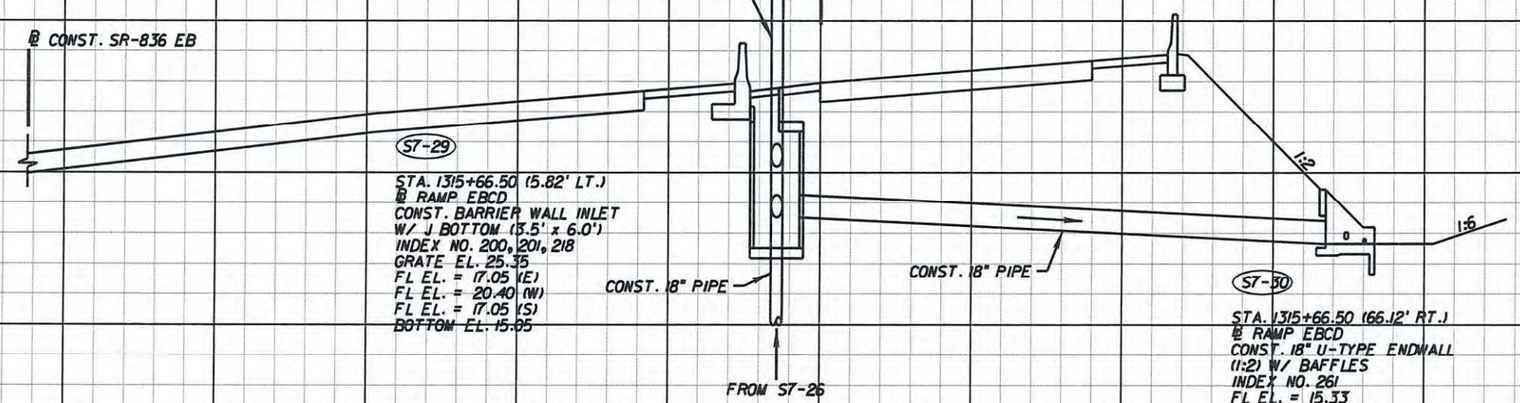
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-58

malfonso 2/2/2012 1:47:33 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-59

malfonso 2/2/2012 1:47:54 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

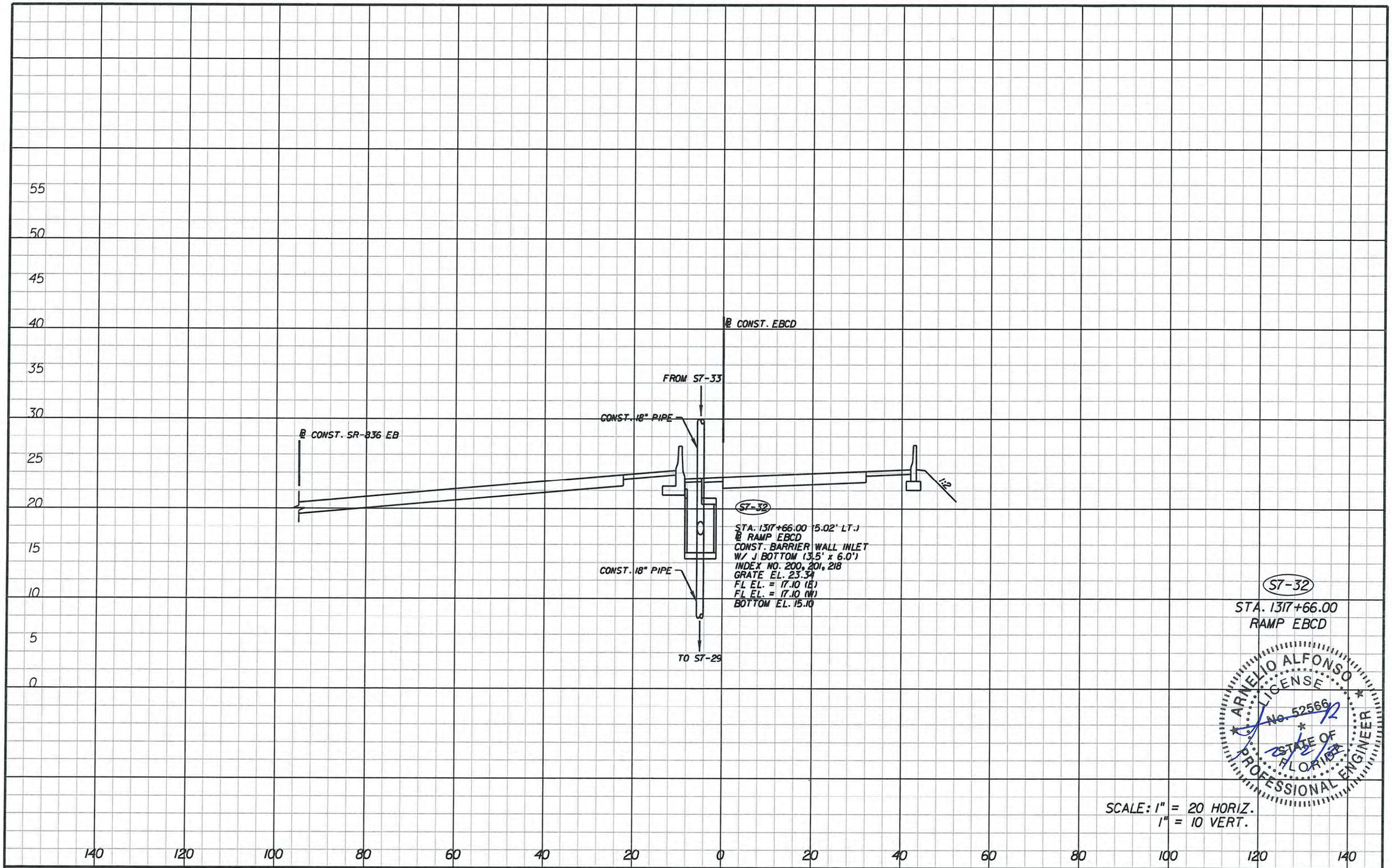
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-60

malfonso 2/2/2012 1:48:24 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



S7-32

STA. 1317+66.00

RAMP EBCD

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
ENGINEERS
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

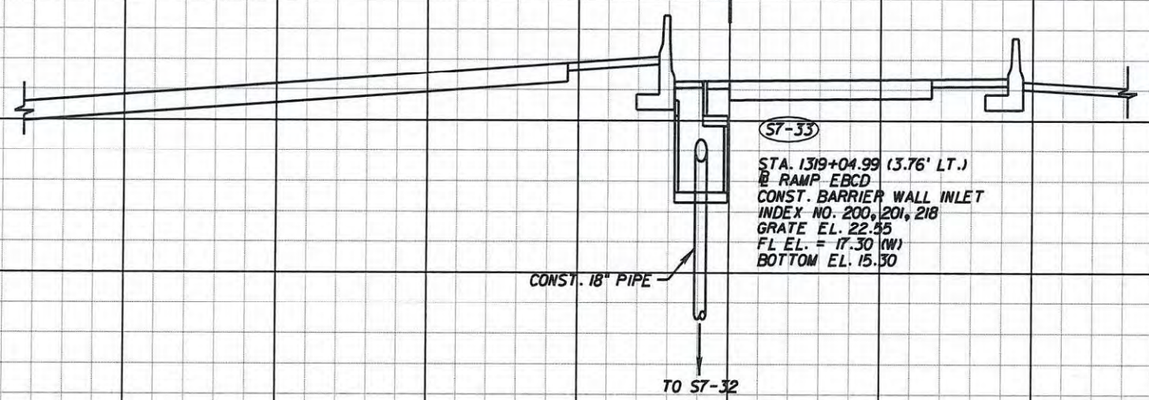
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-61

malfonso 2/2/2012 1:48:48 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



S7-33

STA. 1319+04.99

RAMP EBCD

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

2/2/12

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7285 / fax: (305) 593-1594
CA No.: EB-0007791
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

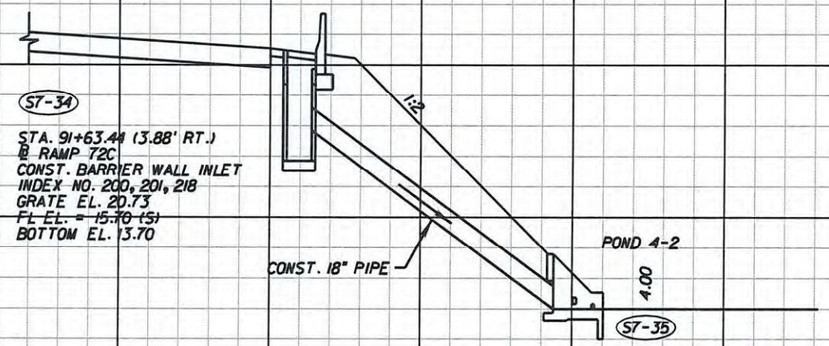
DRAINAGE STRUCTURES

SHEET NO. 7-62

55
50
45
40
35
30
25
20
15
10
5
0
-5

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

℄ CONST. 72C



S7-34

STA. 91+63.44 (3.88' RT.)
℄ RAMP 72C
CONST. BARRIER WALL INLET
INDEX NO. 200, 201, 218
GRATE EL. 20.73
FL EL. = 15.76 (S)
BOTTOM EL. 13.70

S7-35

STA. 91+64.76 (36.74' RT.)
℄ RAMP 72C
CONST. 18" U-TYPE ENDWALL
(1:2) W/ BAFFLES
INDEX NO. 261
FL EL. = 4.00

S7-35
STA. 91+64.76
RAMP 72C

S7-34
STA. 91+63.44
RAMP 72C

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
03305 N.W. 4l Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007197
Arnelio Alfonso, P.E. No. 52566

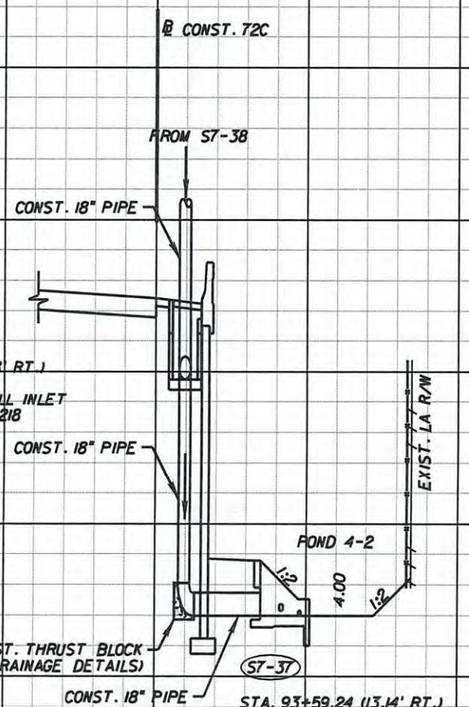
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-63

malfonso 2/2/2012 1:49:36 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



S7-37
S7-36
STA. 93+59.24
RAMP 72C

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/2/12

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

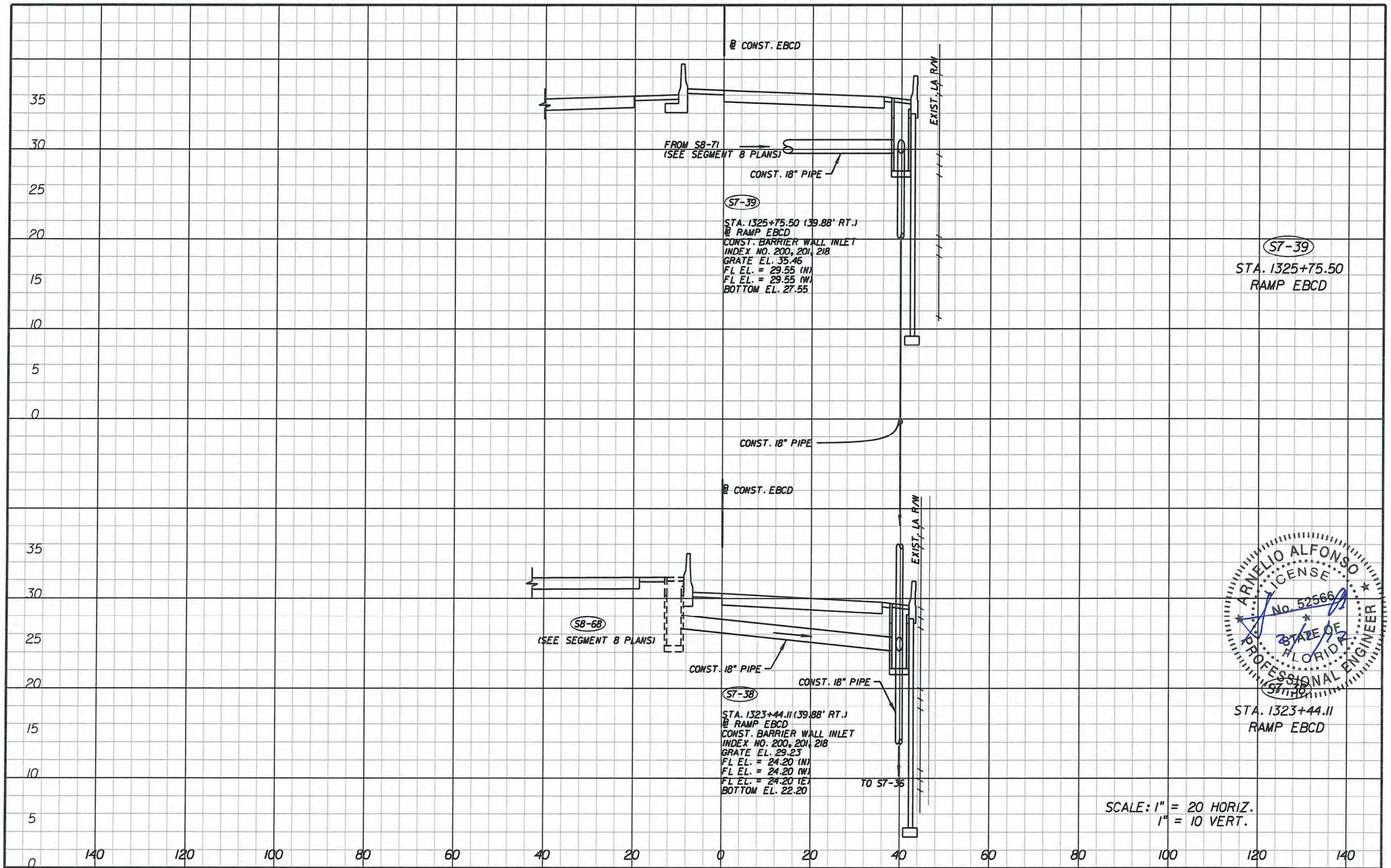
ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-64



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7293 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

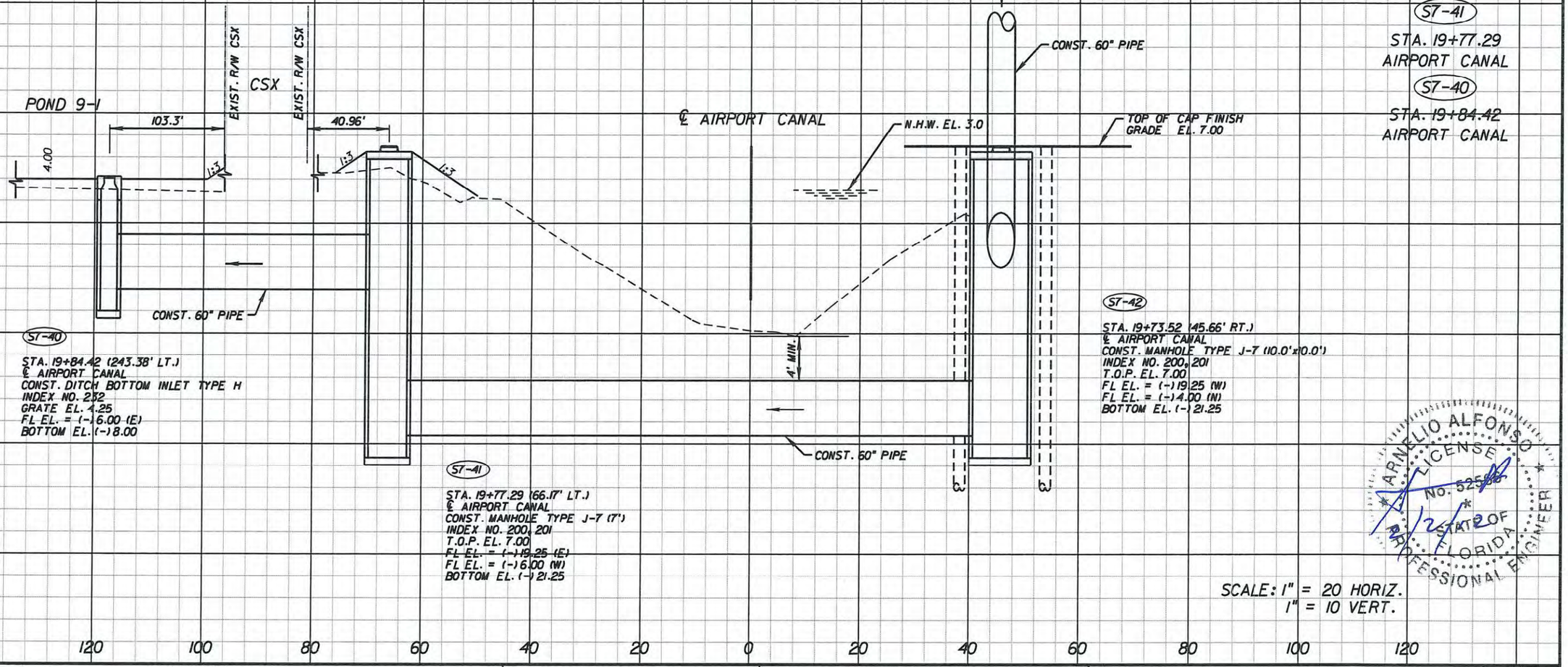
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-65

malfonso 2/2/2012 1:50:24 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSR001.DGN



ARNELIO ALFONSO LICENSED No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / Fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

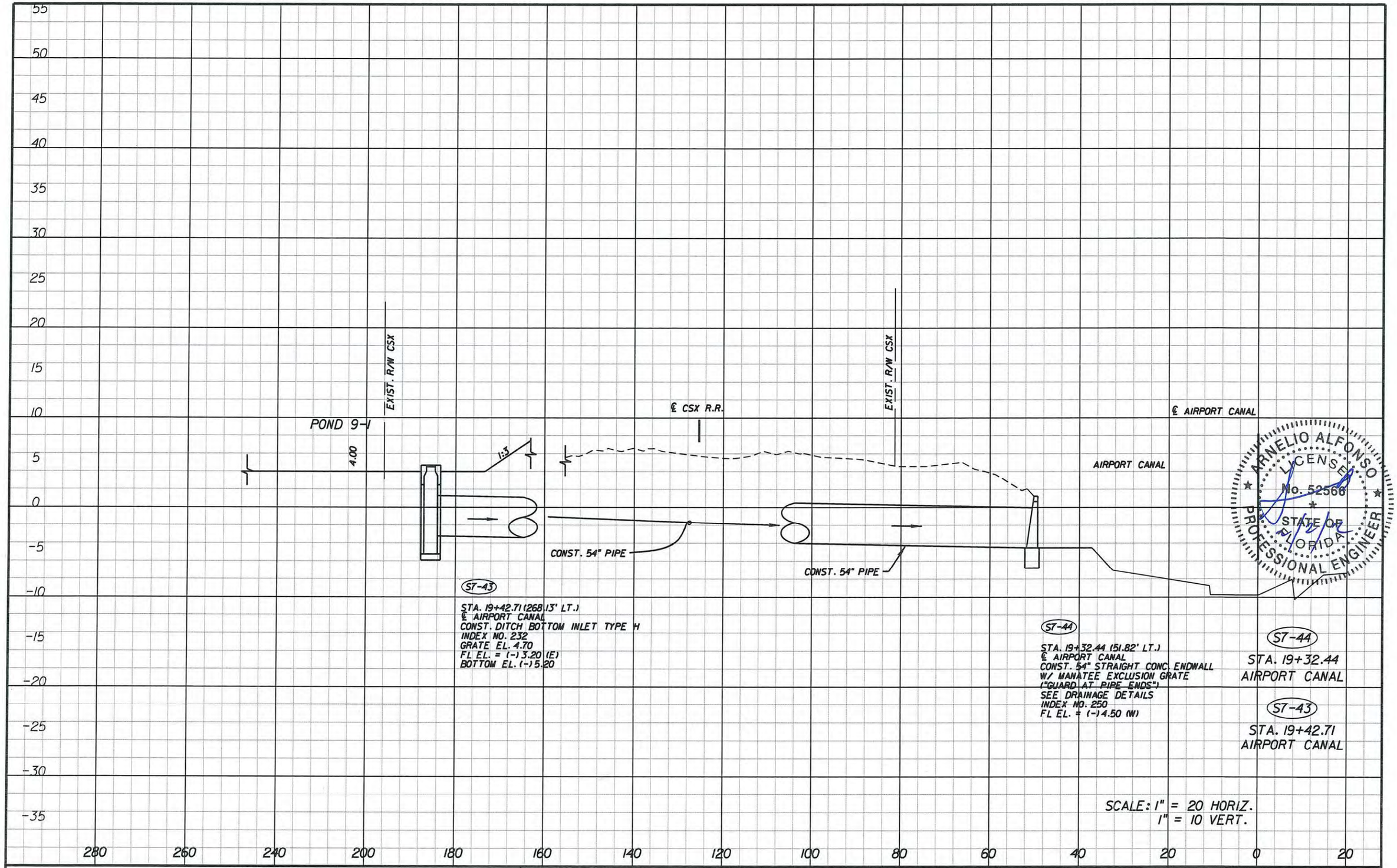
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-66

malfonso 2/2/2012 1:50:57 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

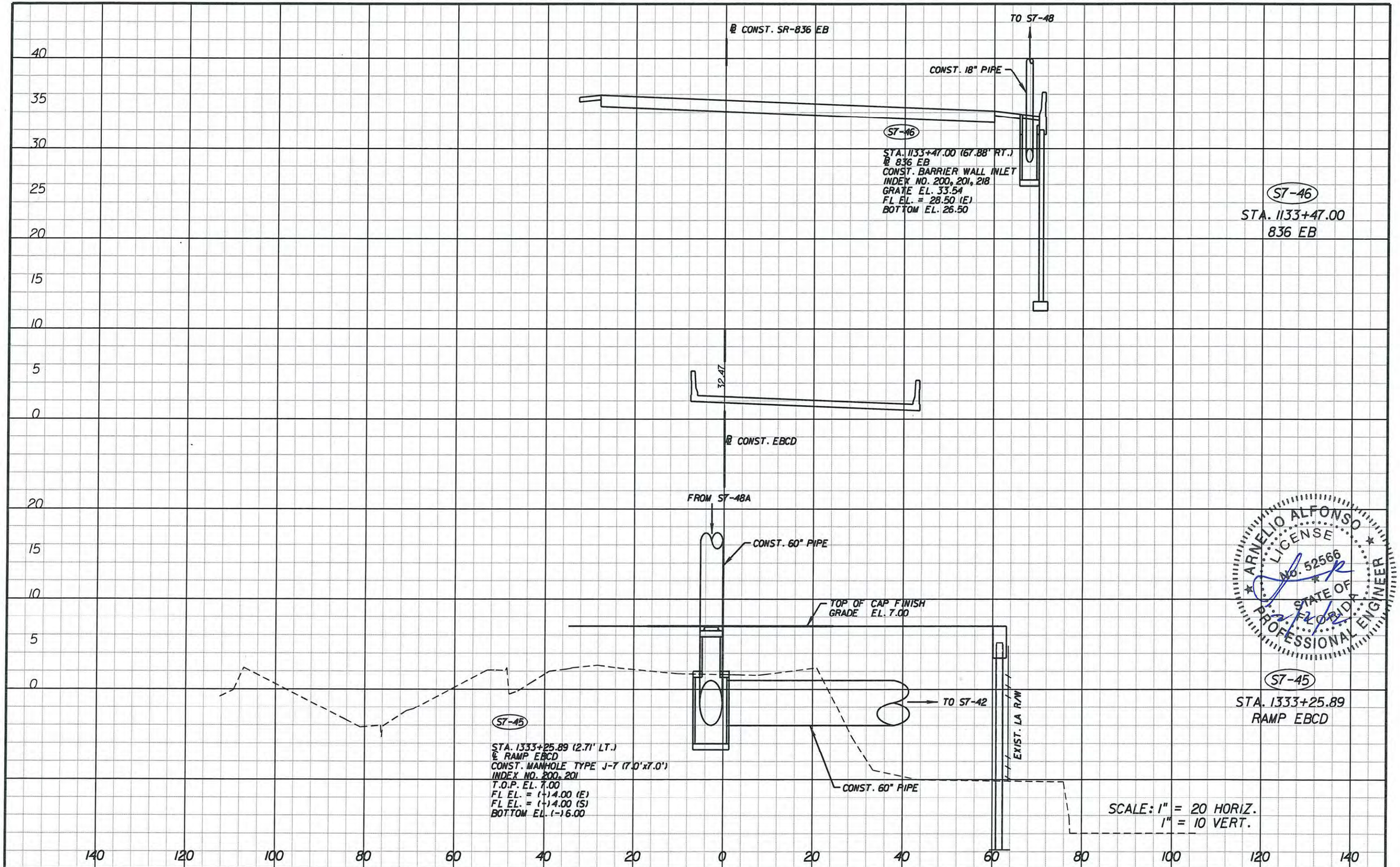
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-67

malfonso 2/2/2012 1:51:24 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSE NO. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

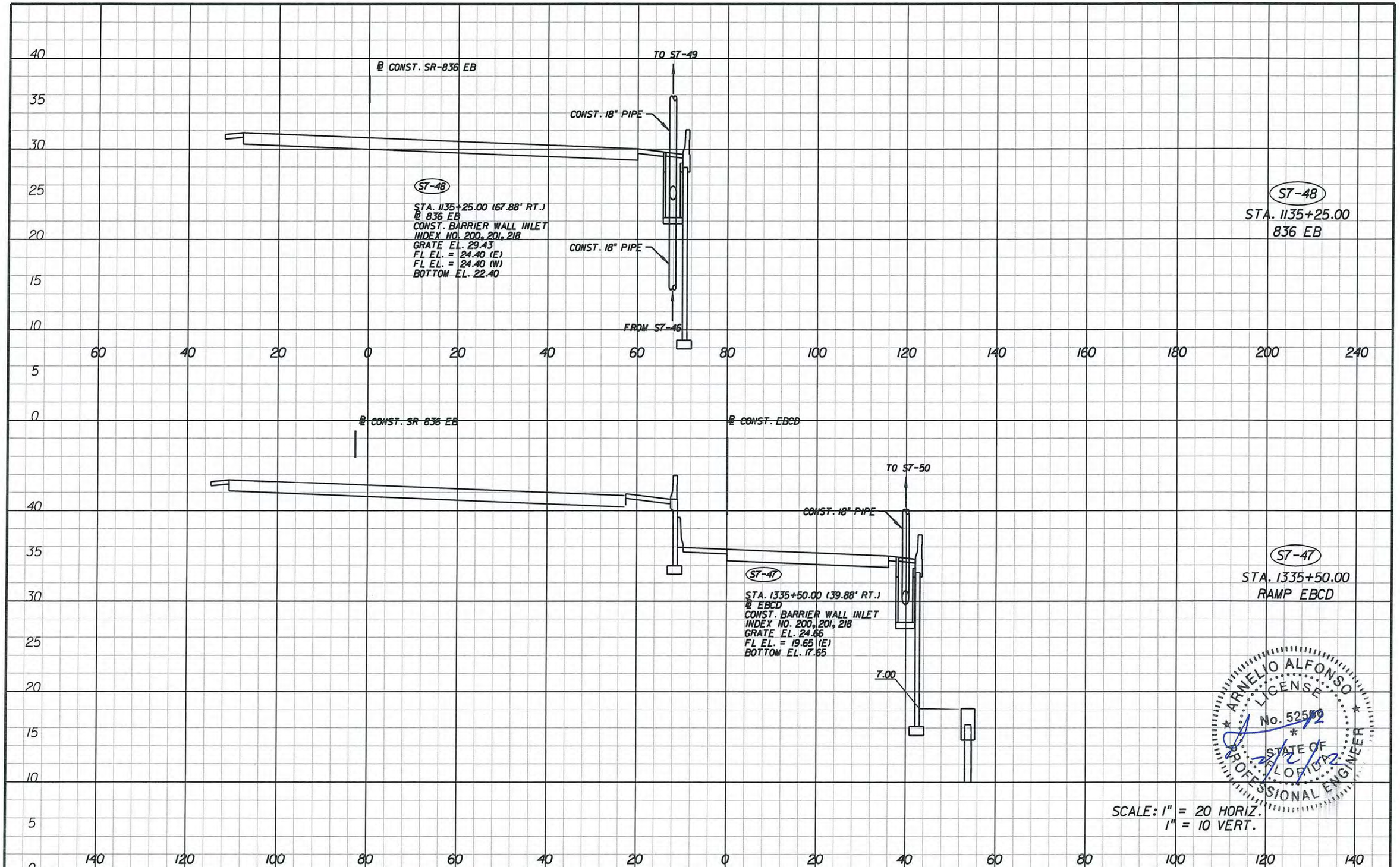
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-68

malfonso 2/2/2012 2:24:41 PM P:\249581152O1-Section 5\Segment 7\drainage\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/2/12

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007791
Arnelio Alfonso, P.E. No. 52566

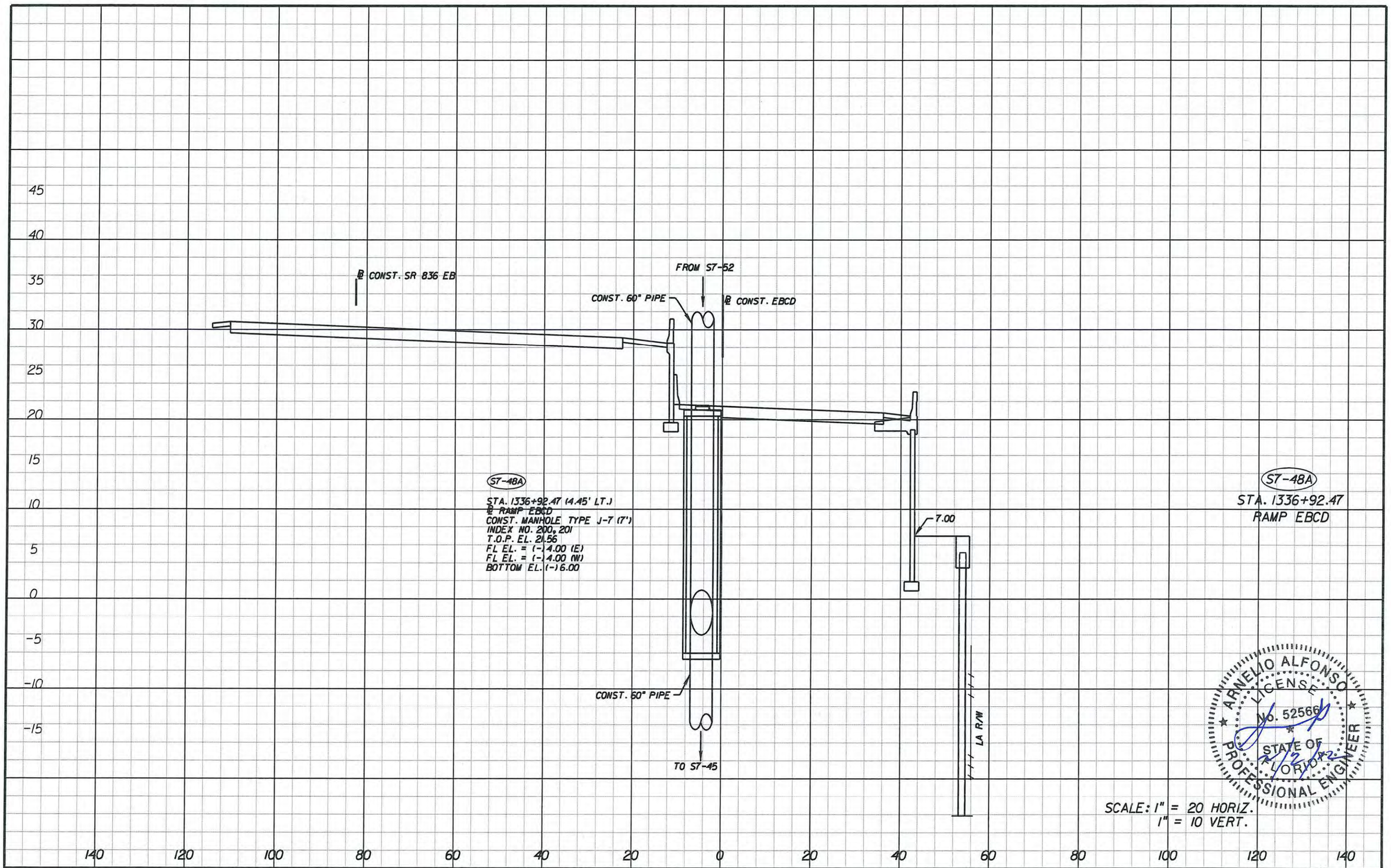
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-69

malfonso 2/2/2012 1:52:26 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSR001.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/2/12

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007791
Arnelio Alfonso, P.E. No. 52566

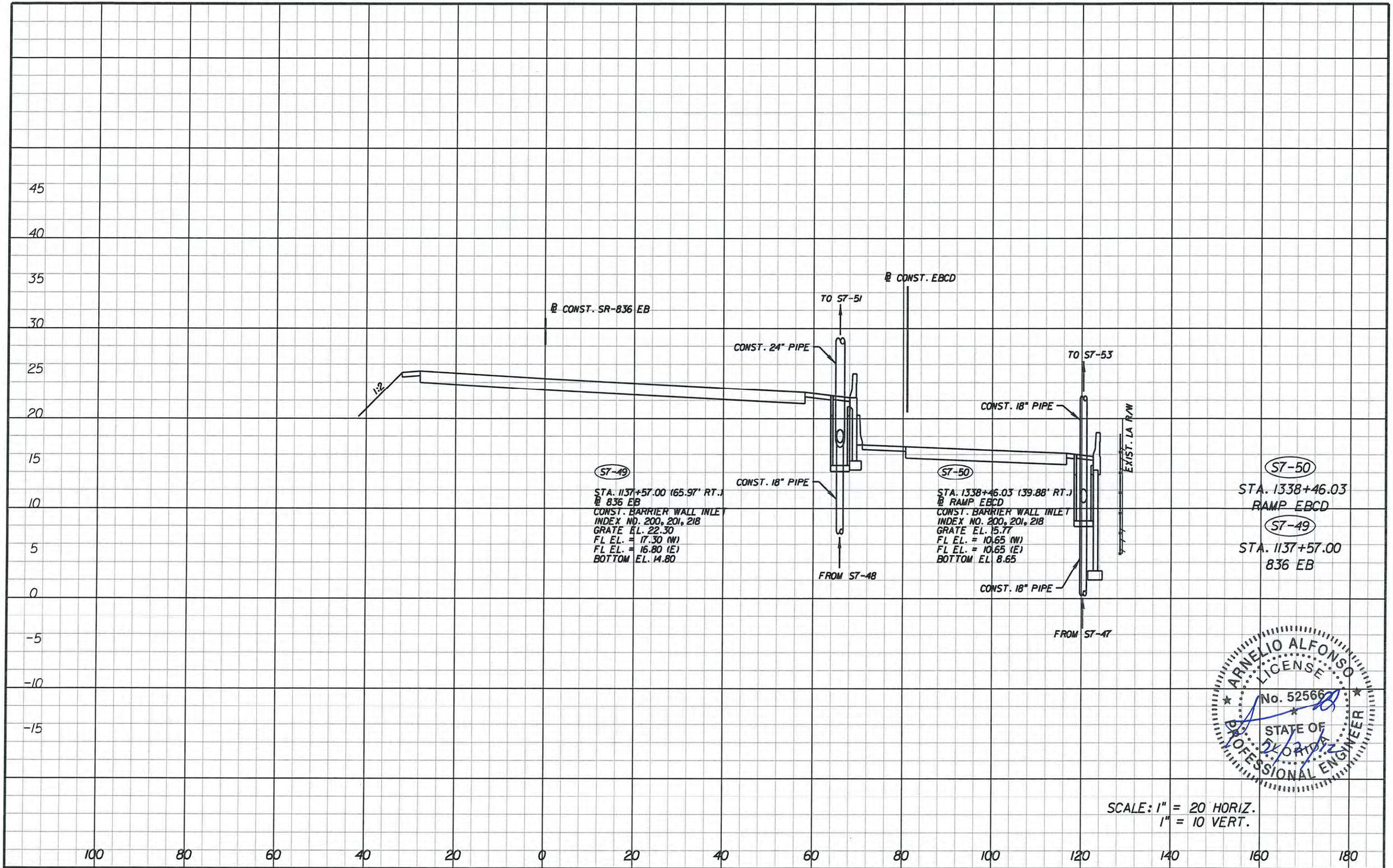
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-70

malfonso 2/2/2012 1:52:49 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/2/12

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

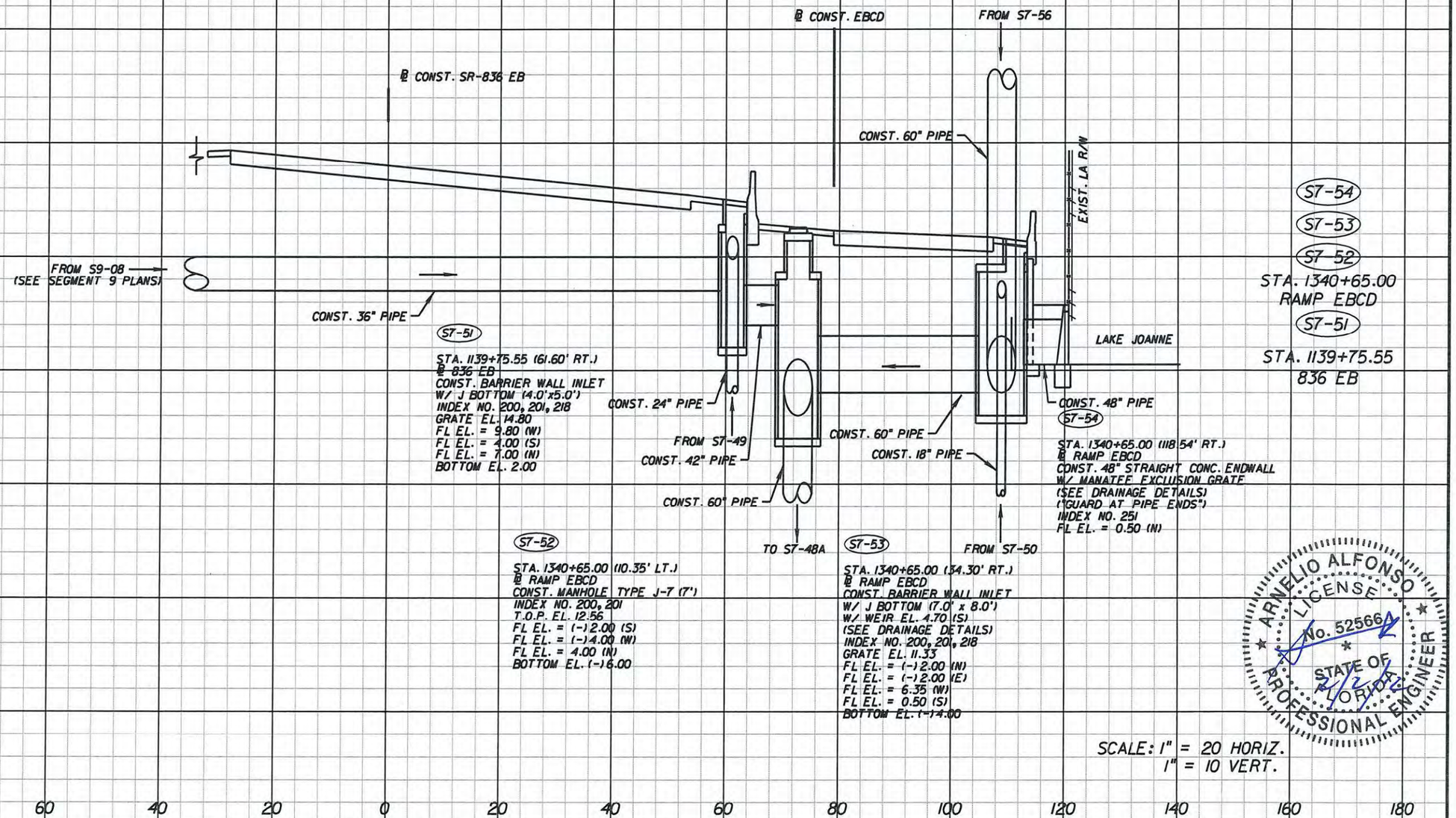
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-71

malfonso 2/2/2012 1:53:24 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/2/12

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

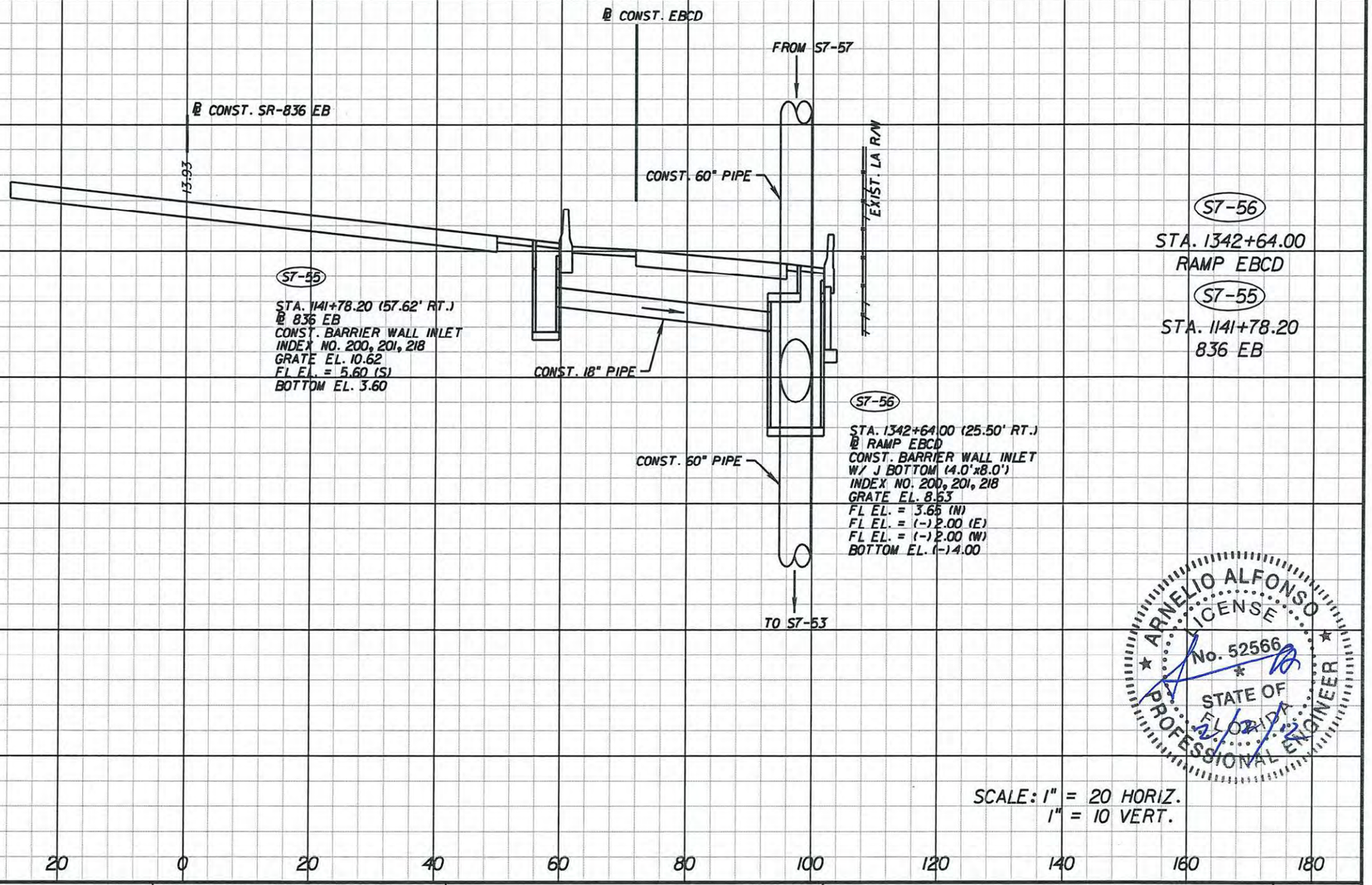
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-72

malfonso 2/2/2012 1:53:57 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



S7-56
STA. 1342+64.00
RAMP EBCD

S7-55
STA. 1141+78.20
836 EB

ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/2/12

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. / EB-0007197
Arnelio Alfonso, P.E. No. 52566

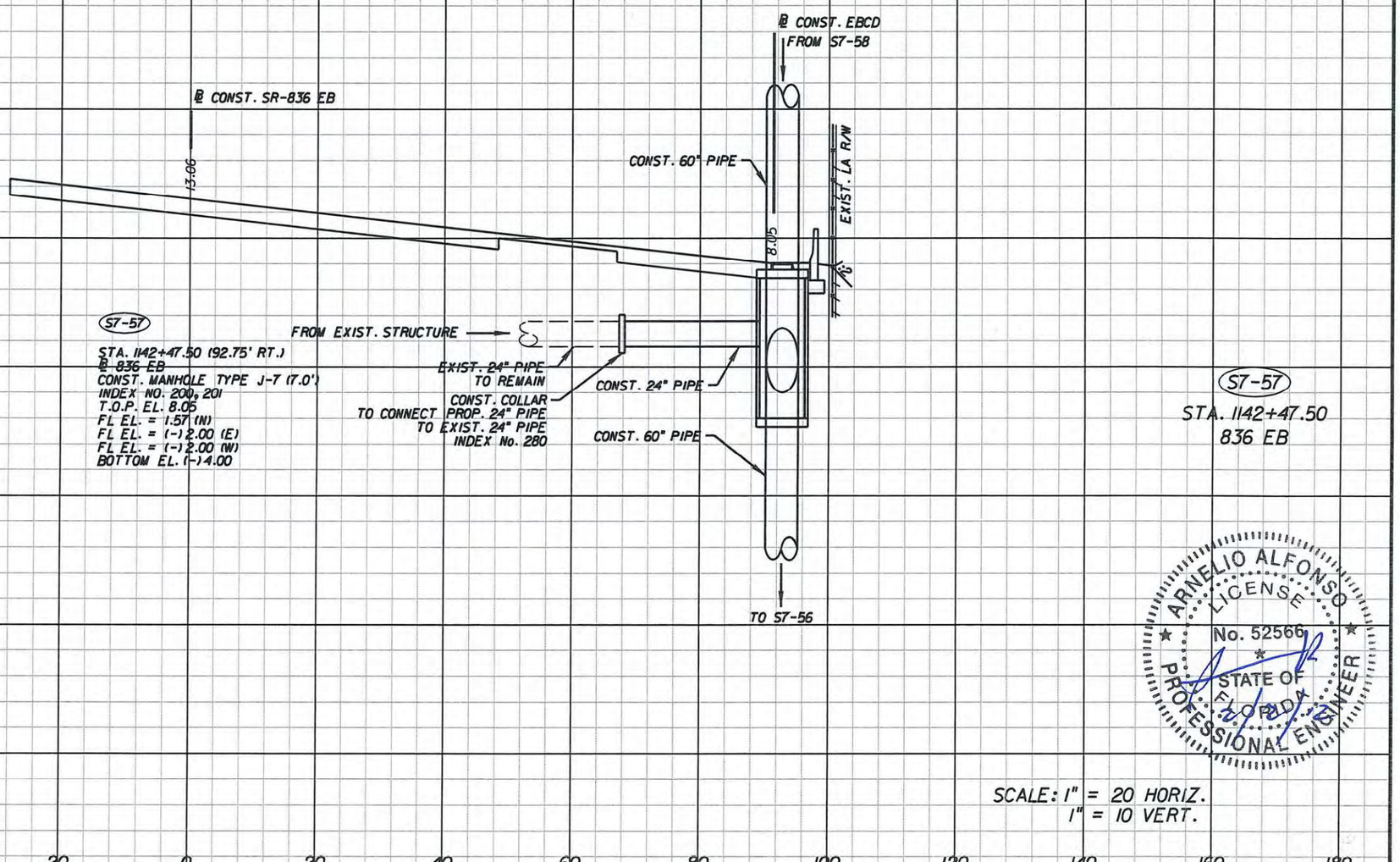
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-73

malfonso 2/2/2012 1:54:33 PM P:\249581152O1-Section 5\Segment 7\drainage\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

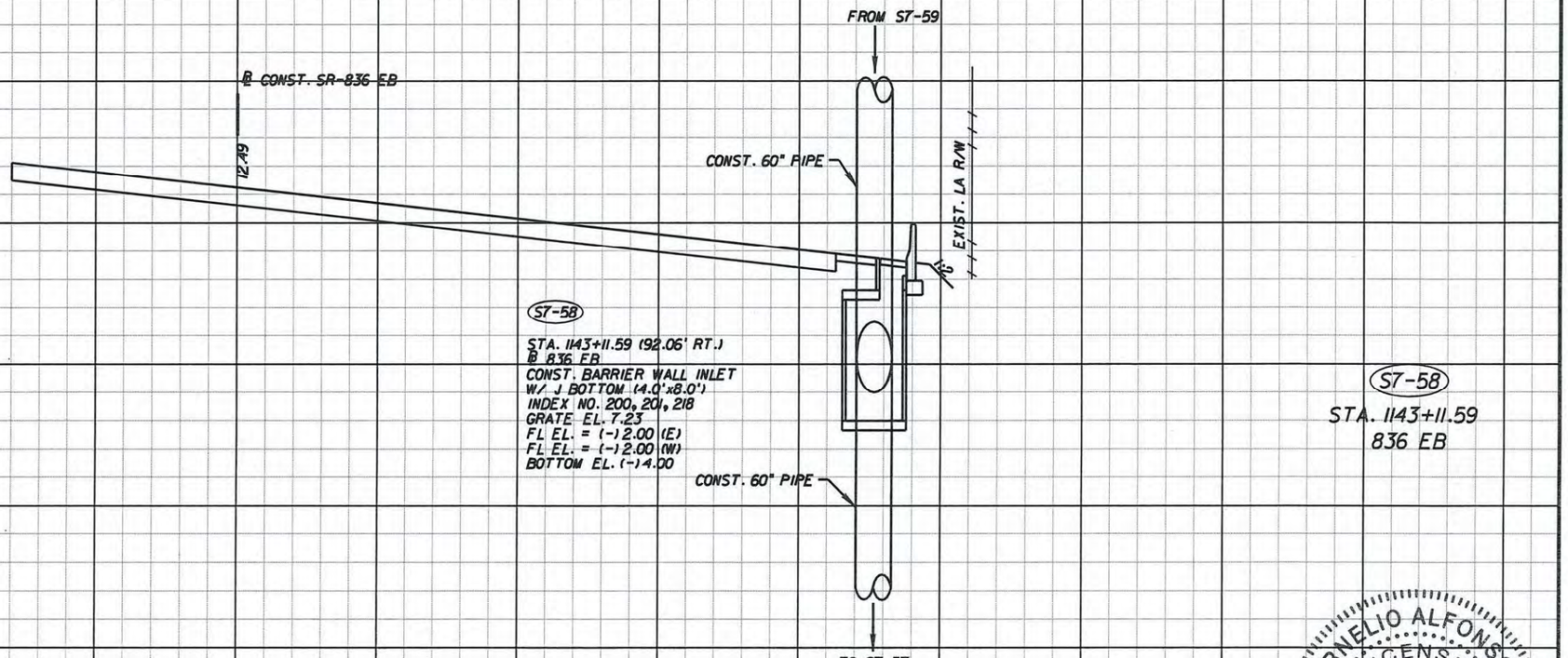
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-74

malfonso 2/2/2012 1:55:11 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



ARNELIO ALFONSO
LICENSE
No. 52566
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-75

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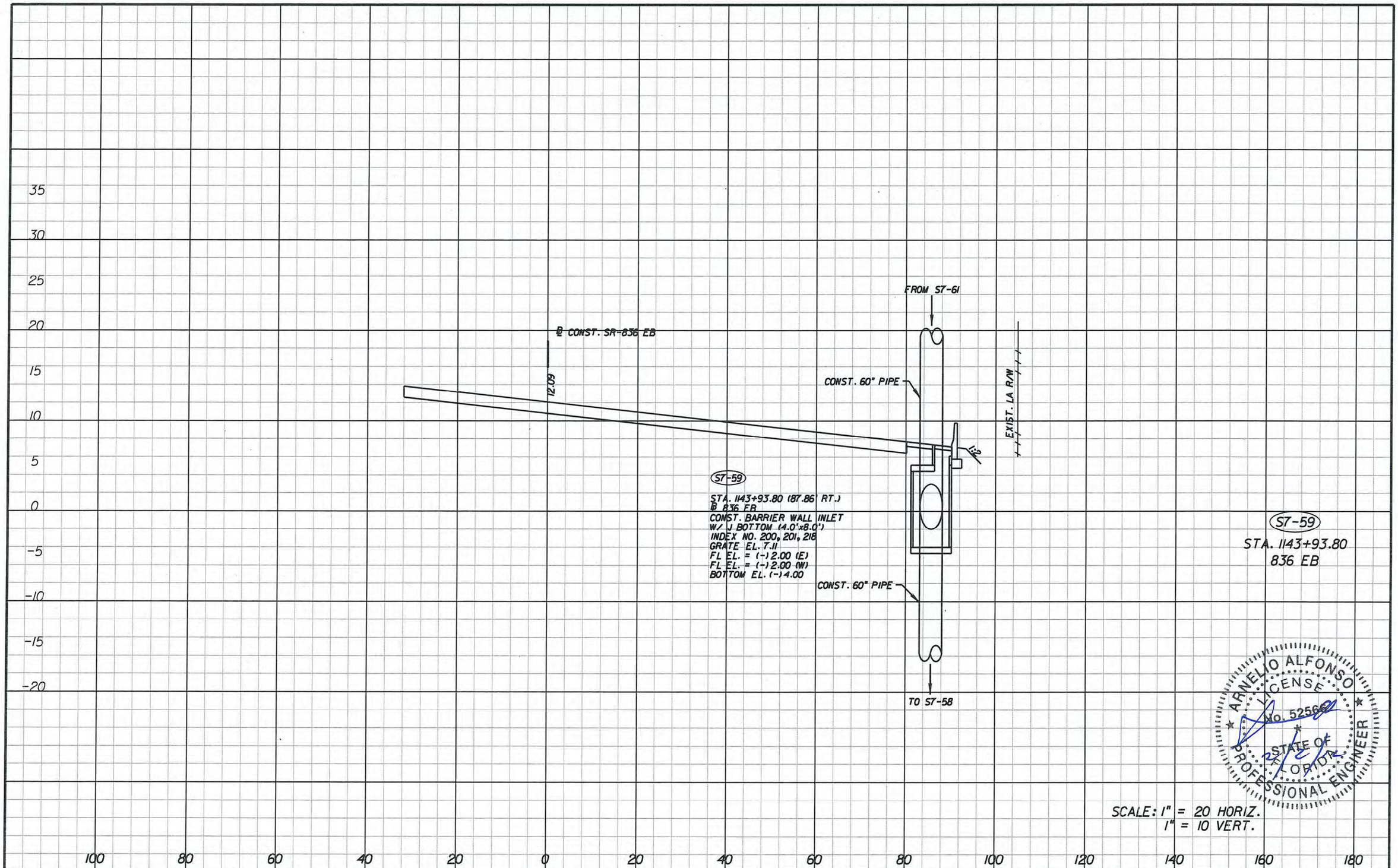


ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

ENGINEERS

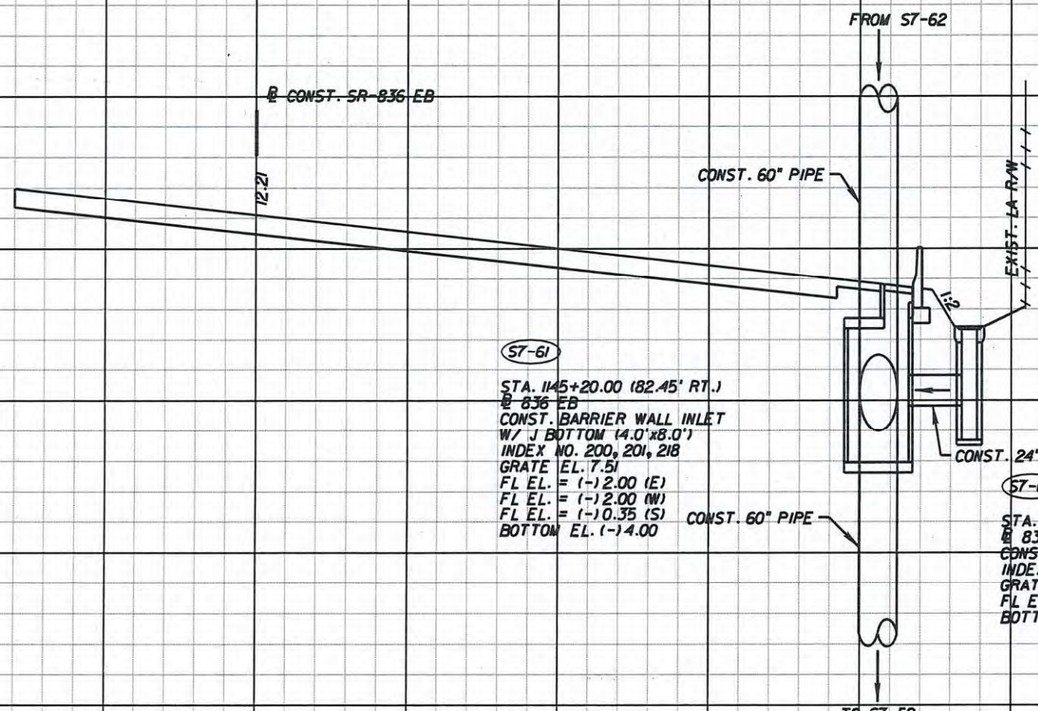
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-76

malfonso 2/2/2012 1:57:50 PM P:\249581\5201-Section 5\Segment 7\drainage\DRYSRD01.DGN



S7-61

STA. 1145+20.00 (82.45' RT.)
℄ 836 EB
CONST. BARRIER WALL INLET
W/ J BOTTOM (4.0'x8.0')
INDEX NO. 200, 201, 218
GRATE EL. 7.51
FL EL. = (-) 2.00 (E)
FL EL. = (-) 2.00 (W)
FL EL. = (-) 0.35 (S)
BOTTOM EL. (-) 4.00

S7-60

STA. 1145+20.00 (94.48' RT.)
℄ 836 EB
CONST. DITCH BOTTOM INLET TYPE F
INDEX NO. 233
GRATE EL. 4.85
FL EL. = (-) 0.35 (N)
BOTTOM EL. (-) 2.35

S7-61
S7-60
STA. 1145+20.00
836 EB

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/3/12

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No.: EB-0007797
Arnelio Alfonso, P.E. No. 52566

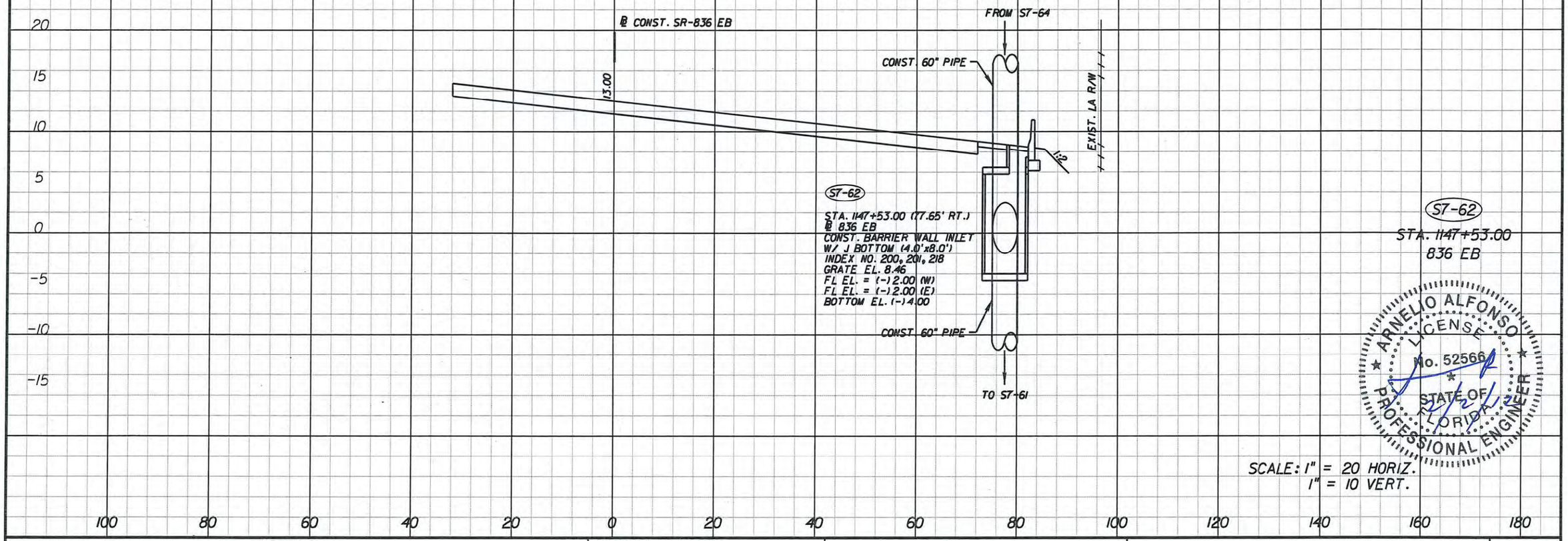
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-77

malfonso 2/2/2012 1:58:24 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

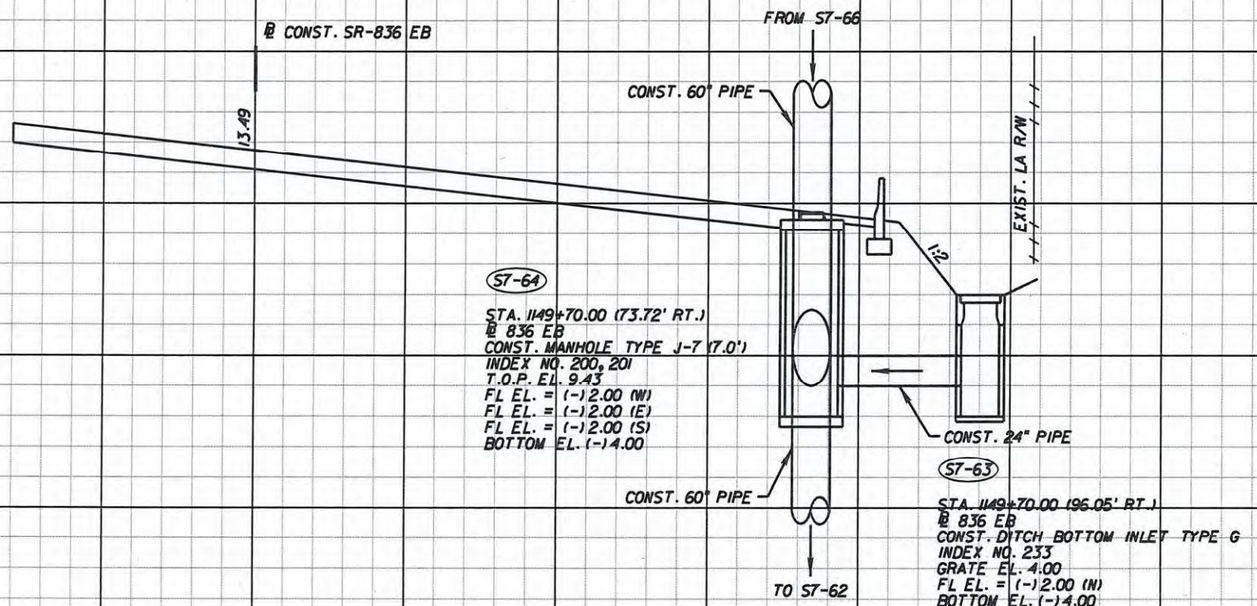
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-78

malfonso 2/2/2012 1:59:11 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:

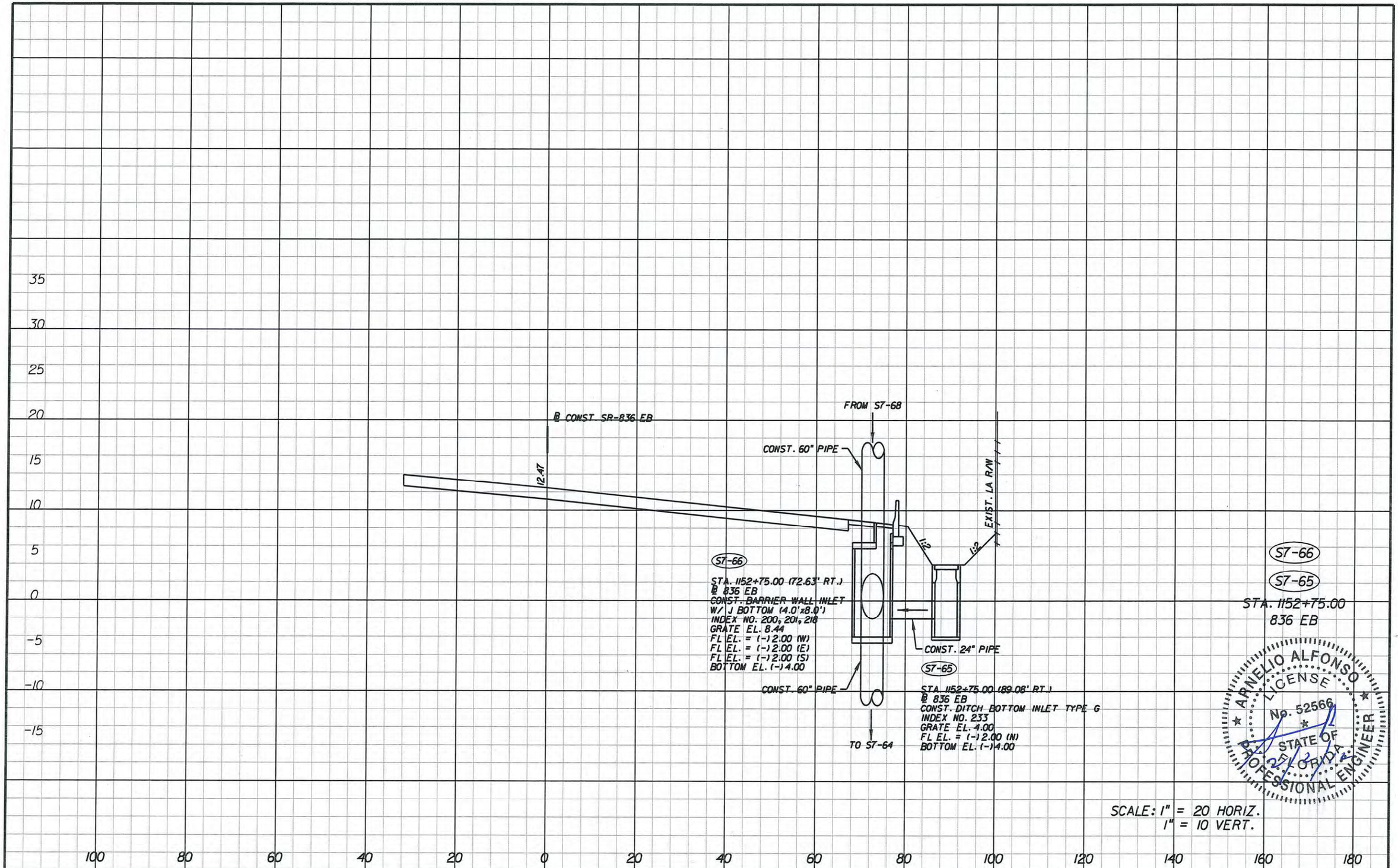
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-79



ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

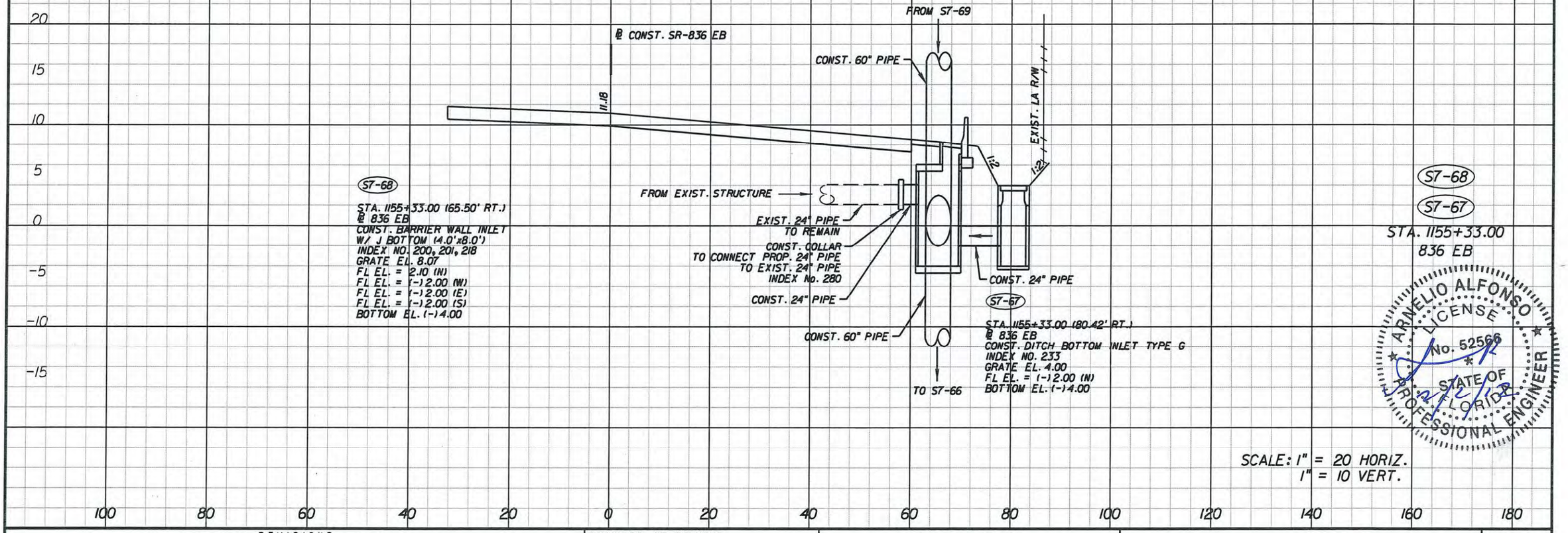
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-80

malfonso 2/2/2012 2:00:53 PM P:\249581\5201-Section 5\Segment 7\drainage\DRXSRD01.DGN



S7-68

S7-67

STA. 1155+33.00
836 EB

ARNELIO ALFONSO LICENSE No. 52566 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/2/12

SCALE: 1" = 20 HORIZ.
1" = 10 VERT.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
A&P Consulting Transportation Engineers Corporation
10305 N.W. 41 Street, suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
CA No. : EB-0007797
Arnelio Alfonso, P.E. No. 52566

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
826/836	MIAMI-DADE	249581-1-52-01

DRAINAGE STRUCTURES

SHEET NO. 7-81

malfonso 2/2/2012 2:01:40 PM P:\249581152O1-Section 5\Segment 7\drainage\DRXSRD01.DGN