STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

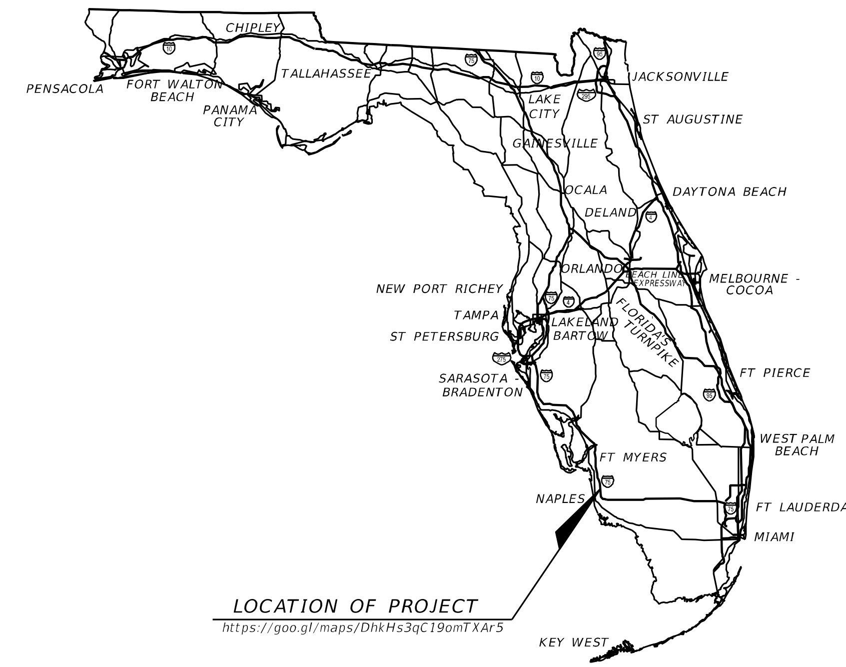
CONTRACT PLANS

FINANCIAL PROJECT ID 445296-1-22-01

COLLIER COUNTY (03175)

STATE ROAD NO. 93 (I-75)

MODIFICATION TO I-75 RAMPS AND PINE RIDGE ROAD (CR 896)



INDEX OF ROADWAY PLANS

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TO BONITA SPRING

R-25-E R-26-E

R-26-E R-27-E

T-48-S T-49-S

END PROJECT STA 148+31.68

BEGIN PROJECT STA 122+03.85

TO FT. LAUDERDALE

T-49-S T-50-S

R-25-E R-26-E

R-26-E R-27-E

N

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2022-23 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

APPLICABLE IRs: IR___-___-__

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, January 2022 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

ROADWAY PLANS ENGINEER OF RECORD:

DONALD R. HOLCOMB, P.E.
P.E. NO.: 51970
HDR Engineering, Inc.
2601 Cattlemen Road, Suite 400
Sarasota, Florida 34232
Phone: (941) 342-2700
Vendor No.: VF-470680568

FDOT PROJECT MANAGER:

JOSHUA A. JESTER, E.I.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	22	1

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

DESIGN BUILD NOTES

1. FDOT IS SUPPLYING THESE PLANS TO COLLIER COUNTY TO BE INCLUDED IN THEIR DESIGN BUILD RFP PACKAGE FOR LETTING OF THE PINE RIDGE ROAD CORRIDOR PROJECT. THESE PLANS HAVE BEEN DEVELOPED TO A PHASE I LEVEL.

2. THE STORMWATER AND WETLAND IMPACT DESIGN HAS BEEN COMPLETED TO A LEVEL SATISFACTORY FOR PERMIT ACQUISITION FOR THE PROJECT LIMITS SHOWN IN THIS PLAN SET.

3. AN APPROVED TYPICAL SECTION PACKAGE IS PROVIDED UNDER SEPARATE COVER, THEREFORE TYPICAL SECTIONS ARE NOT INCLUDED IN THIS PLAN SET. PLEASE SEE THE APPROVED TYPICAL SECTION PACKAGE FOR TRAFFIC DATA DETAILS. LIMITS OF MILLING AND RESURFACING, NEW CONSTRUCTION, AND OVERBUILD AREAS ARE IDENTIFIED IN THIS PLAN SET.

4. AN APPROVED PAVEMENT DESIGN PACKAGE IS PROVIDED UNDER SEPARATE COVER.

5. AN APPROVED LIGHTING DESIGN ANALYSIS REPOT IS PROVIDED UNDER SEPARATE COVER.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DONALD R. HOLCOMB, P.E.
P.E. LICENSE NUMBER 51970
HDR Engineering, Inc.
2601 Cattlemen Road, Suite 400
Sarasota, FL 34232

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

NOTES TO REVIEWER

SHEET NO. 1A

DONALD R. HOLCOMB
LICENSE
No 51970
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

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HDR ENGINEERING, INC.
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SARASOTA, FL 34232
DONALD R. HOLCOMB, PE NO. 51970

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

ROADWAY

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
1A	NOTES TO REVIEWER
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5 - 6	PROJECT CONTROL
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26 - 31	WETLAND IMPACTS PLAN
32 - 33	WETLAND IMPACTS CROSS SECTIONS
41 - 49	UTILITY ADJUSTMENTS

KENNETH D. YINGER
LICENSE
No 75595
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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PATEL, GREENE & ASSOCIATES, LLC
12570 TELECOM DRIVE
TEMPLE TERRACE, FL 33637
KENNETH D. YINGER, PE NO. 75595

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ROADWAY

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
3	DRAINAGE MAP
4	EXISTING DRAINAGE STRUCTURES
16 - 21	POND DETAILS
22 - 24	DRAINAGE DETAILS
34 - 35	STORMWATER POLLUTION PREVENTION PLAN

TUYEN DINH NGUYEN
LICENSE
No 62187
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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ROADWAY

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
36 - 40	TEMPORARY TRAFFIC CONTROL PLAN

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

DONALD R. HOLCOMB, P.E.
P.E. LICENSE NUMBER 51970
HDR Engineering, Inc.
2601 Cattlemen Road, Suite 400
Sarasota, FL 34232

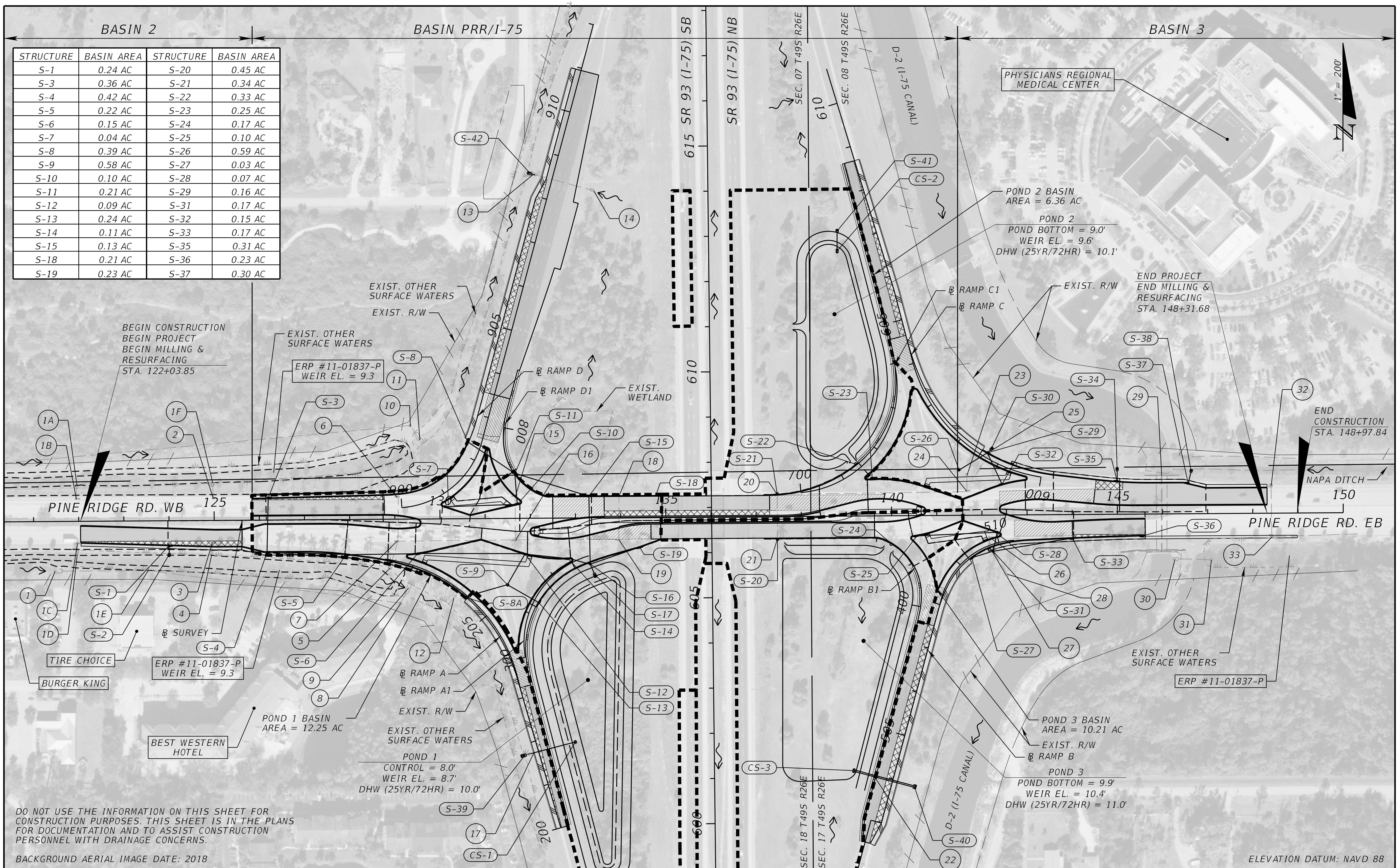
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

SIGNATURE SHEET

SHEET NO.
2

STRUCTURE	BASIN AREA	STRUCTURE	BASIN AREA
S-1	0.24 AC	S-20	0.45 AC
S-3	0.36 AC	S-21	0.34 AC
S-4	0.42 AC	S-22	0.33 AC
S-5	0.22 AC	S-23	0.25 AC
S-6	0.15 AC	S-24	0.17 AC
S-7	0.04 AC	S-25	0.10 AC
S-8	0.39 AC	S-26	0.59 AC
S-9	0.58 AC	S-27	0.03 AC
S-10	0.10 AC	S-28	0.07 AC
S-11	0.21 AC	S-29	0.16 AC
S-12	0.09 AC	S-31	0.17 AC
S-13	0.24 AC	S-32	0.15 AC
S-14	0.11 AC	S-33	0.17 AC
S-15	0.13 AC	S-35	0.31 AC
S-18	0.21 AC	S-36	0.23 AC
S-19	0.23 AC	S-37	0.30 AC



DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

BACKGROUND AERIAL IMAGE DATE: 2018

ELEVATION DATUM: NAVD 88

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KENNETH D. YINGER, P.E.
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PATEL, GREENE & ASSOCIATES, LLC
12570 TELECOM DRIVE
TEMPLE TERRACE, FL 33637

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

DRAINAGE MAP

SHEET NO. 3

USER: kenny.yinger 5/27/2022 4:26:56 PM Default X:\FDOT1\44529612201\drainage\DRMPRD01.dgn

1 MITERED END SECTION
INVERT (53"x34" RCP) = 6.74

1A MITERED END SECTION
INVERT (24" RCP) = 4.43

1B CURB INLET
EOP = 13.79
N INV (24" RCP) = UNK

1C CURB INLET
EOP = 13.83
S INV (24" RCP) = 6.54

1D MITERED END SECTION
INVERT (24" RCP) = 6.57

1E MANHOLE
TOP = 11.16
E INV (53"X34" RCP) = 6.45
W INV (53"X34" RCP) = 6.48

1F MITERED END SECTION
INVERT (24" RCP) = 5.49

2 CURB INLET
EOP = 14.62
N INV (24" RCP) = 5.12

3 CURB INLET
EOP = 14.67
S INV (24" RCP) = 6.70

4 MITERED END SECTION
INVERT (24" RCP) = 6.64

5 MITERED END SECTION
INVERT (36" RCP) = 6.44

6 CURB INLET
EOP = 15.12
S INV (18" RCP) = 6.90

7 CURB INLET
EOP = 15.09
N INV (18" RCP) = 15.47
S INV (36" RCP) = 15.49
E INV (36" RCP) = 15.48

8 MANHOLE
TOP = 11.23
NE INV (53"X34" RCP) = 6.13
NW INV (53"X34" RCP) = 6.24

9 MITERED END SECTION
INVERT (53"X34" RCP) = 5.98

10 MANHOLE
TOP = 11.04
SE INV (53"X34" RCP) = 6.35
SW INV (53"X34" RCP) = 6.46

11 MITERED END SECTION
INVERT (53"X34" RCP) = 5.99

12 18" RCP
NE INV = 7.22
SW INV = 6.97

13 MITERED END SECTION
INVERT (24" RCP) = 6.57

14 MITERED END SECTION
INVERT (24" RCP) = 7.13

15 CURB INLET
EOP = 14.40
S INV (18" RCP) = 7.15

16 CURB INLET
EOP = 14.35
N INV (18" RCP) = 6.92
E INV (24" RCP) = 6.99
W INV (36" RCP) = 6.89

17 18" RCP
NE INV = 7.15
SW INV = 6.80

18 CURB INLET
EOP = 13.78
S INV (18" RCP) = 7.35

19 CURB INLET
EOP = 13.55
N INV (24" RCP) = 7.39
W INV (24" RCP) = 7.32

20 CURB INLET
EOP = 12.91
S INV (18" RCP) = 7.28
E INV (24" RCP) = 4.82

21 CURB INLET
EOP = 12.84
N INV (18" RCP) = 5.04

22 24" RCP
NW INV = 8.92
SE INV = 8.89

23 GRATE INLET
GRATE = 8.91
S INV (24" RCP) = 4.62

24 CURB INLET
EOP = 14.12
N INV (24" RCP) = 4.29

25 18" RCP
NE INV = 8.12
SW INV = 8.16

26 CURB INLET
EOP = 14.39
S INV (24" RCP) = 8.74

27 MITERED END SECTION
INVERT (24" RCP) = 8.47

28 24" RCP
NW INV = 8.56
SE INV = 8.47

29 DOUBLE 11'X10' BOX CULVERT
N INV (E) = 0.35
N INV (W) = 0.37
S INV (E) = 0.50
S INV (W) = 0.43

30 MITERED END SECTION
INVERT (24" RCP) = 5.69

31 GRATE INLET
GRATE = 9.70
W INV (24" RCP) = 6.16

32 CURB INLET
TOP = 13.73
S INV (18" RCP) = 8.79

33 CURB INLET
TOP = 14.73
N INV (18" RCP) = 8.42
E INV (18" RCP) = 8.55

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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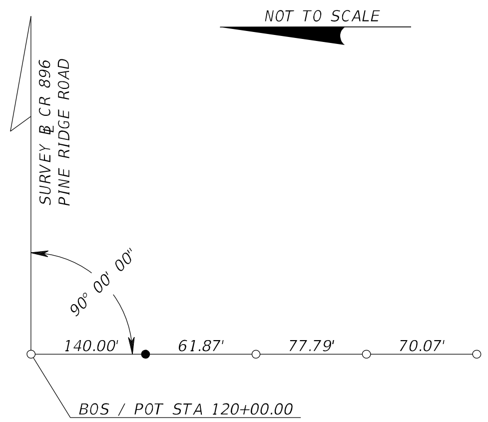
P.E. LICENSE NUMBER 75595
PATEL, GREENE & ASSOCIATES, LLC
12570 TELECOM DRIVE
TEMPLE TERRACE, FL 33637

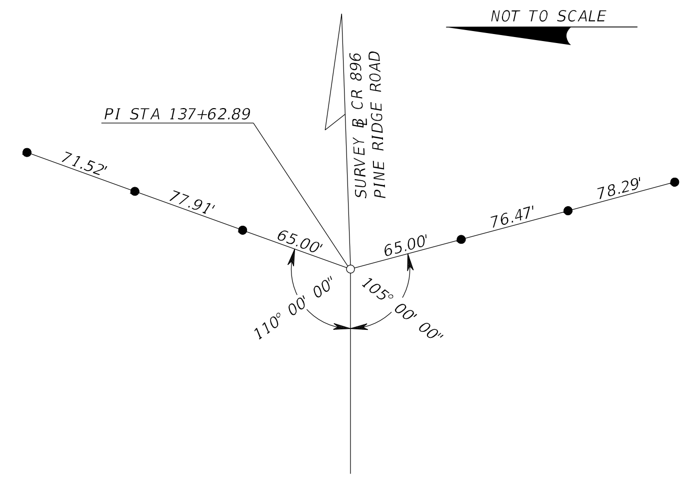
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

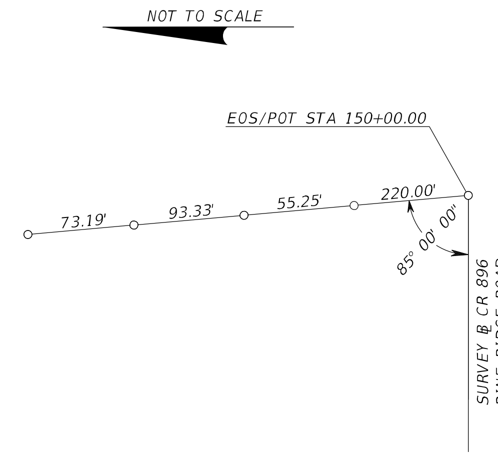
EXISTING DRAINAGE STRUCTURES



BEGIN SURVEY CR 896
PINE RIDGE ROAD
BOS / POT STA 120+00.00
SET 5/8" IRON ROD WITH CAP "LB 7917"



PI STA 137+62.89
FOUND PK NAIL & DISK "DENI ASSOC. INC. LB 3542"



END SURVEY CR 896
PINE RIDGE ROAD
EOS / POT STA 150+00.00
FOUND PK NAIL & DISK "DENI ASSOC. INC. LB 3542"

LEGEND

Δ	=	DELTA
℄	=	DENOTES SURVEY BASELINE
AH.	=	AHEAD
BOA	=	BEGINNING OF ALIGNMENT
BOS	=	BEGINNING OF SURVEY
BK.	=	BACK
BUS.	=	BUSINESS
EOA	=	END OF ALIGNMENT
F.C.M.	=	FOUND CONCRETE MONUMENT
F.R.R.S.	=	RAILROAD SPIKE
FND.	=	FOUND
ID.	=	IDENTIFICATION
IRC	=	IRON ROD & CAP
LB	=	LICENSED BUSINESS
LS	=	LAND SURVEYOR
PC	=	POINT OF CURVATURE
PCC	=	POINT OF COMPOUND CURVATURE
PI	=	POINT OF INTERSECTION
PK	=	PARKER KALON NAIL
PKWY	=	PARKWAY
PKD	=	PARKER KALON NAIL AND DISK
POT	=	POINT ON TANGENT
POC	=	POINT ON CURVE
PT	=	POINT OF TANGENCY
R	=	RADIUS
S.I.R.C.	=	SET 5/8" IRON ROD & CAP "LB 7917"
S.P.K.D.	=	SET PARKER KALON NAIL & DISK "LB 7917"
SR	=	STATE ROAD
STA.	=	STATION
●	=	SET 5/8" IRON ROD & CAP "LB 7917" (UNLESS OTHERWISE NOTED)
○	=	SET MAG NAIL AND NAIL & DISK "LB 7917" (UNLESS OTHERWISE NOTED)
⊡	=	SET 4" X 4" STANDARD FDOT CONCRETE MONUMENT (UNLESS OTHERWISE NOTED)

CR 896 (PINE RIDGE ROAD) ROADWAY SECTION ID: 03504-000
I-75 AND PINE RIDGE ROAD INTERSECTION
DESIGN BUILD
FINANCIAL PROJECT ID: 445296-1
SURVEY PERFORMED BY: MCKIM & CREED, INC.
SURVEY DATE: MARCH, 2020

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DONALD R. HOLCOMB, P.E.
P.E. LICENSE NUMBER 51970
HDR Engineering, Inc.
2601 Cattlemen Road, Suite 400
Sarasota, FL 34232

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

PROJECT CONTROL

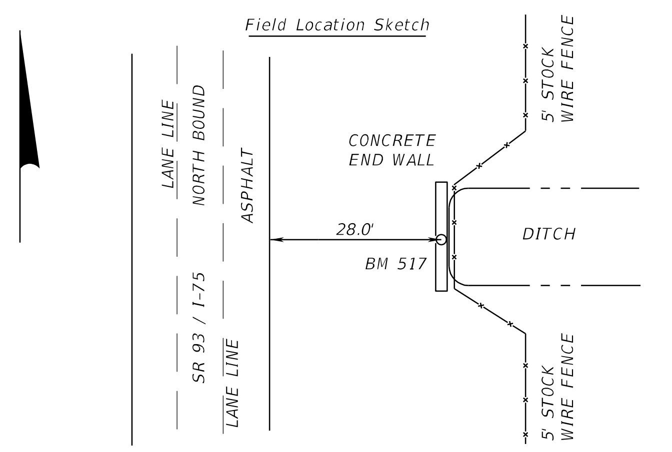
SHEET NO.
5

Florida Department of Transportation District One
Vertical Control Data Sheet

DATUM
NGVD 1929 __
NAVD 1988 X

Monument Name or Designation: BM 517 Elevation Feet: 8.320
State Road No.: N/A County: COLLIER
Section: 19 Township: 49 S Range: 26 E Roadway Section I.D.: 03504-000
Establishing Firm: FDOT Field Book No.: N/A
Established: ____ Recovered: 01/27/2020 Financial Project ID: 445296-1
State Plane Coordinates: (Nearest Foot) N (Y): = 674368 E (X): = 415029
Base Line Station and Offset: OUTSIDE PROJECT LIMITS
Description of Monument: FOUND STANDARD FDOT BRASS DISK IN CONCRETE END WALL STAMPED "BM 157"
Distance and Direction from Nearest Intersection: 0.90 MILES NORTH FROM THE INTERSECTION OF SR 93 / I-75 AND GOLDEN GATE PARKWAY

Field Location Sketch

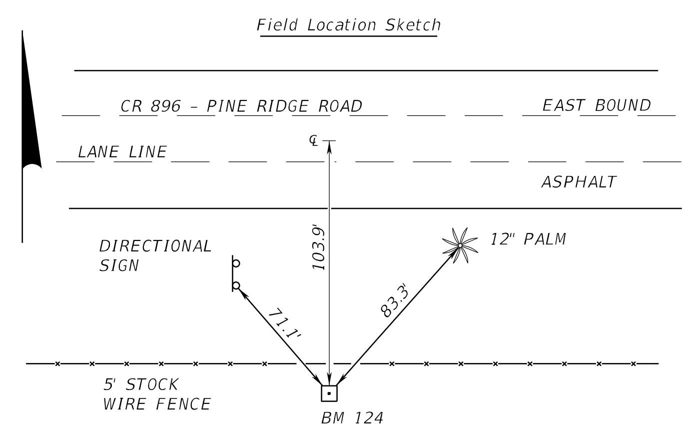


Florida Department of Transportation District One
Vertical Control Data Sheet

DATUM
NGVD 1929 __
NAVD 1988 X

Monument Name or Designation: BM 124 Elevation Feet: 10.970
State Road No.: N/A County: COLLIER
Section: 18 Township: 49 S Range: 26 E Roadway Section I.D.: 03504-000
Establishing Firm: McKIM & CREED Field Book No.: N/A
Established: 01/27/2020 Recovered: ____ Financial Project ID: 445296-1
State Plane Coordinates: (Nearest Foot) N (Y): = 683145 E (X): = 413591
Base Line Station and Offset: ℄ SURVEY STATION: 123+72 OFFSET: 133.2' RT
Description of Monument: SET 4" X 4" STANDARD FDOT CONCRETE MONUMENT WITH ALUMINUM DISK STAMPED "BM 124".
Distance and Direction from Nearest Intersection: 0.2 MILES WEST OF THE INTERSECTION OF CR 896 (PINE RIDGE RD.) AND I-75

Field Location Sketch

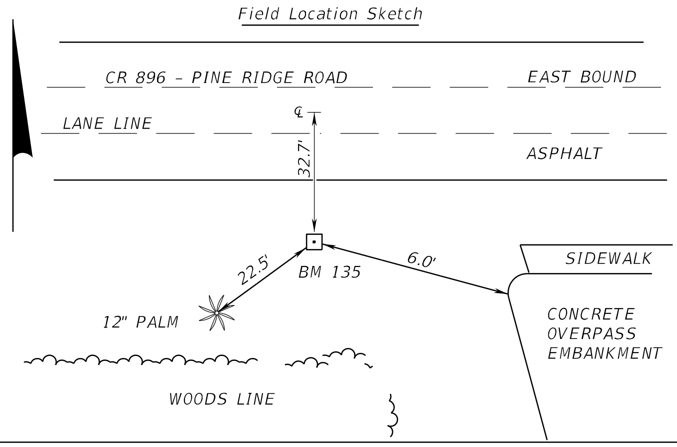


Florida Department of Transportation District One
Vertical Control Data Sheet

DATUM
NGVD 1929 __
NAVD 1988 X

Monument Name or Designation: BM 135 Elevation Feet: 12.766
State Road No.: N/A County: COLLIER
Section: 18 Township: 49 S Range: 26 E Roadway Section I.D.: 03504-000
Establishing Firm: McKIM & CREED Field Book No.: N/A
Established: 01/27/2020 Recovered: ____ Financial Project ID: 445296-1
State Plane Coordinates: (Nearest Foot) N (Y): = 683223 E (X): = 414700
Base Line Station and Offset: ℄ SURVEY STATION: 134+81 OFFSET: 61.7' RT
Description of Monument: SET 4" X 4" STANDARD FDOT CONCRETE MONUMENT WITH ALUMINUM DISK STAMPED "BM 135".
Distance and Direction from Nearest Intersection: AT THE INTERSECTION OF CR 896 (PINE RIDGE RD.) AND I-75

Field Location Sketch

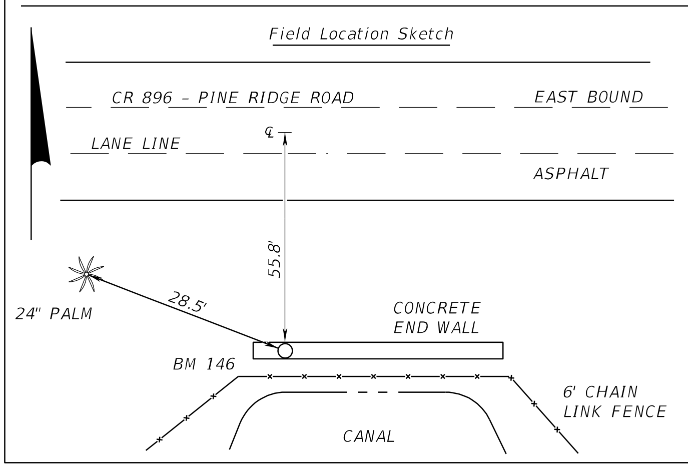


Florida Department of Transportation District One
Vertical Control Data Sheet

DATUM
NGVD 1929 __
NAVD 1988 X

Monument Name or Designation: BM 146 Elevation Feet: 11.587
State Road No.: N/A County: COLLIER
Section: 18 Township: 49 S Range: 26 E Roadway Section I.D.: 03504-000
Establishing Firm: McKIM & CREED Field Book No.: N/A
Established: 01/27/2020 Recovered: ____ Financial Project ID: 445296-1
State Plane Coordinates: (Nearest Foot) N (Y): = 683208 E (X): = 415785
Base Line Station and Offset: ℄ SURVEY STATION: 145+67 OFFSET: 84.6' RT
Description of Monument: FOUND STANDARD FDOT BRASS DISK IN CONCRETE END WALL STAMPED "SFWMD"
Distance and Direction from Nearest Intersection: 0.2 MILES EAST OF THE INTERSECTION OF CR 896 (PINE RIDGE RD.) AND I-75

Field Location Sketch

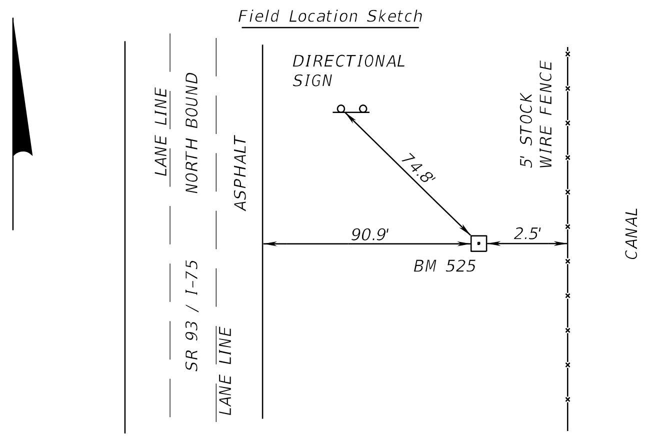


Florida Department of Transportation District One
Vertical Control Data Sheet

DATUM
NGVD 1929 __
NAVD 1988 X

Monument Name or Designation: BM 525 Elevation Feet: 9.702
State Road No.: N/A County: COLLIER
Section: 19 Township: 49 S Range: 26 E Roadway Section I.D.: 03504-000
Establishing Firm: FDOT Field Book No.: N/A
Established: ____ Recovered: 01/27/2020 Financial Project ID: 445296-1
State Plane Coordinates: (Nearest Foot) N (Y): = 675125 E (X): = 415082
Base Line Station and Offset: OUTSIDE PROJECT LIMITS
Description of Monument: FOUND 4" X 4" STANDARD FDOT CONCRETE MONUMENT WITH BRASS DISK STAMPED "BM 525".
Distance and Direction from Nearest Intersection: 1.10 MILES NORTH FROM THE INTERSECTION OF SR 93 / I-75 AND GOLDEN GATE PARKWAY

Field Location Sketch



Florida Department of Transportation District One
Vertical Control Data Sheet

DATUM
NGVD 1929 __
NAVD 1988 __

Monument Name or Designation: ____ Elevation Feet: ____
State Road No.: ____ County: ____
Section: ____ Township: ____ S Range: ____ E Roadway Section I.D.: ____
Establishing Firm: ____ Field Book No.: ____
Established: ____ Recovered: ____ Financial Project ID: ____
State Plane Coordinates: (Nearest Foot) N (Y): = ____ E (X): = ____
Base Line Station and Offset: ____
Description of Monument: ____
Distance and Direction from Nearest Intersection: ____

Field Location Sketch

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

DONALD R. HOLCOMB, P.E.
P.E. LICENSE NUMBER 51970
HDR Engineering, Inc.
2601 Cattlemen Road, Suite 400
Sarasota, FL 34232

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DEPARTMENT OF TRANSPORTATION

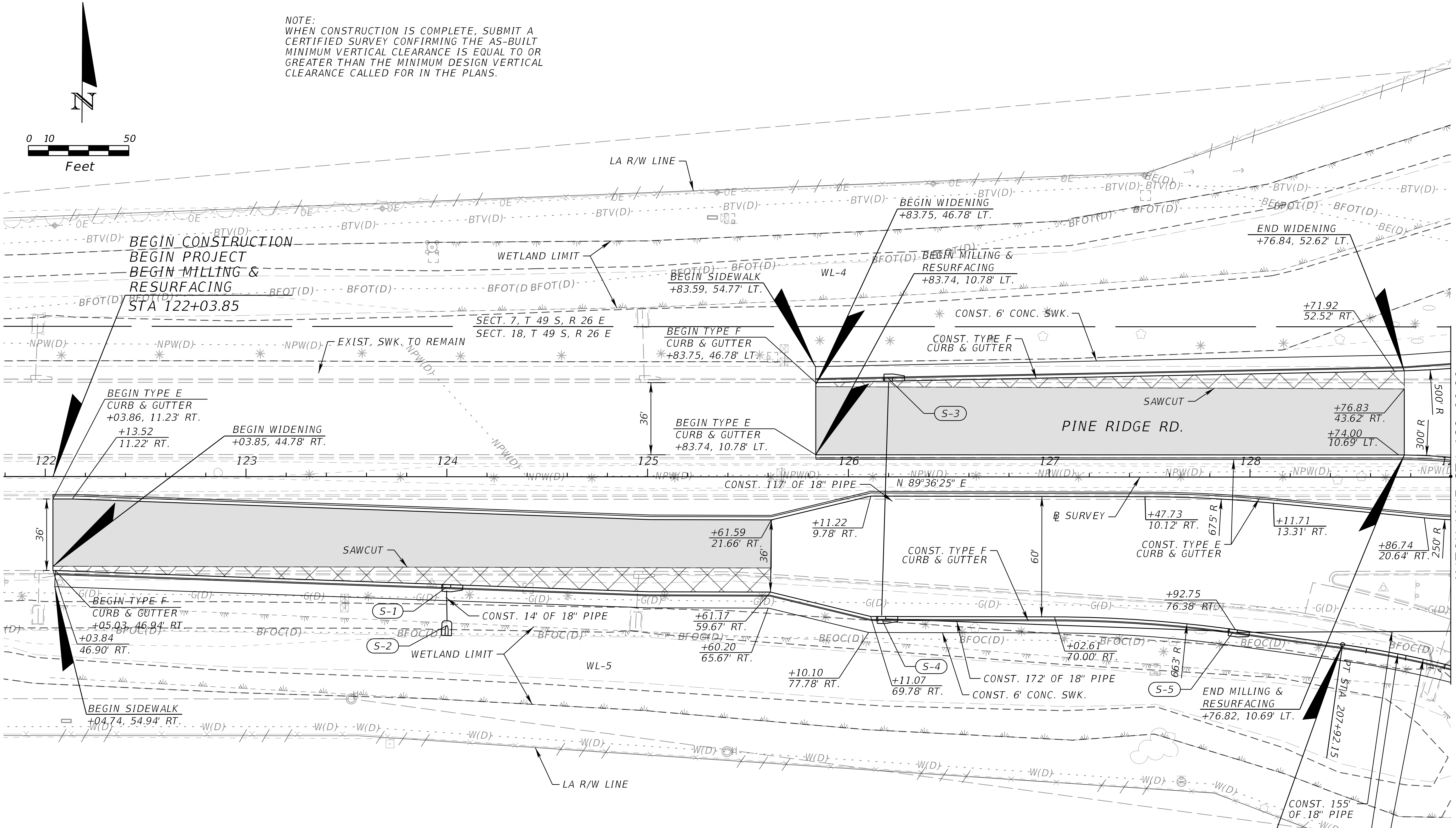
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

PROJECT CONTROL

SHEET NO. 6

JSTARR 6/27/2022 4:32:52 PM Default PW:\

NOTE:
WHEN CONSTRUCTION IS COMPLETE, SUBMIT A CERTIFIED SURVEY CONFIRMING THE AS-BUILT MINIMUM VERTICAL CLEARANCE IS EQUAL TO OR GREATER THAN THE MINIMUM DESIGN VERTICAL CLEARANCE CALLED FOR IN THE PLANS.



LEGEND

MILLING & RESURFACING
WIDENING

CURVE DATA BLRAMPA-3
PI STA. = 207+42.24
Δ = 11° 28' 42" (LT)
D = 11° 27' 33"
T = 50.25
L = 100.17
R = 500.00
PC STA. = 206+91.98
PT STA. = 207+92.15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

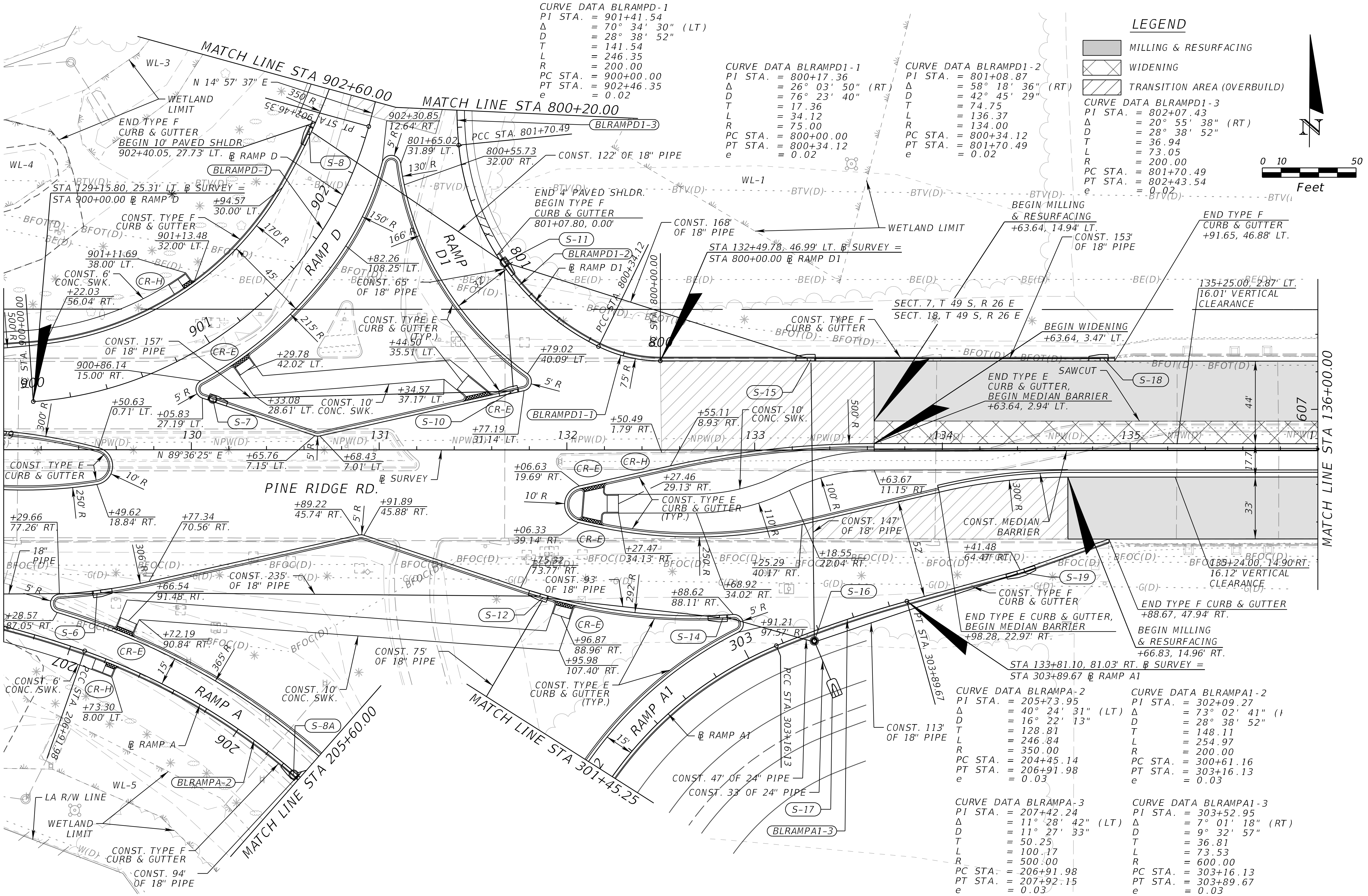
DONALD R. HOLCOMB, P.E.
P.E. LICENSE NUMBER 51970
HDR Engineering, Inc.
2601 Cattlemen Road, Suite 400
Sarasota, FL 34232

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

ROADWAY PLAN (1)

SHEET NO. 7



CURVE DATA BLRAMPD-1
PI STA. = 901+41.54
Δ = 70° 34' 30" (LT)
D = 28° 38' 52"
T = 141.54
L = 246.35
R = 200.00
PC STA. = 900+00.00
PT STA. = 902+46.35
e = 0.02

CURVE DATA BLRAMPD1-1
PI STA. = 800+17.36
Δ = 26° 03' 50" (RT)
D = 76° 23' 40"
T = 17.36
L = 34.12
R = 75.00
PC STA. = 800+00.00
PT STA. = 800+34.12
e = 0.02

CURVE DATA BLRAMPD1-2
PI STA. = 801+08.87
Δ = 58° 18' 36" (RT)
D = 42° 45' 29"
T = 74.75
L = 136.37
R = 134.00
PC STA. = 800+34.12
PT STA. = 801+70.49
e = 0.02

CURVE DATA BLRAMPD1-3
PI STA. = 802+07.43
Δ = 20° 55' 38" (RT)
D = 28° 38' 52"
T = 36.94
L = 73.05
R = 200.00
PC STA. = 801+70.49
PT STA. = 802+43.54
e = 0.02

CURVE DATA BLRAMPA-2
PI STA. = 205+73.95
Δ = 40° 24' 31" (LT)
D = 16° 22' 13"
T = 128.81
L = 246.84
R = 350.00
PC STA. = 204+45.14
PT STA. = 206+91.98
e = 0.03

CURVE DATA BLRAMPA1-2
PI STA. = 302+09.27
Δ = 73° 02' 41" (
D = 28° 38' 52"
T = 148.11
L = 254.97
R = 200.00
PC STA. = 300+61.16
PT STA. = 303+16.13
e = 0.03

CURVE DATA BLRAMPA-3
PI STA. = 207+42.24
Δ = 11° 28' 42" (LT)
D = 11° 27' 33"
T = 50.25
L = 100.17
R = 500.00
PC STA. = 206+91.98
PT STA. = 207+92.15
e = 0.03

CURVE DATA BLRAMPA1-3
PI STA. = 303+52.95
Δ = 7° 01' 18" (RT)
D = 9° 32' 57"
T = 36.81
L = 73.53
R = 600.00
PC STA. = 303+16.13
PT STA. = 303+89.67
e = 0.03

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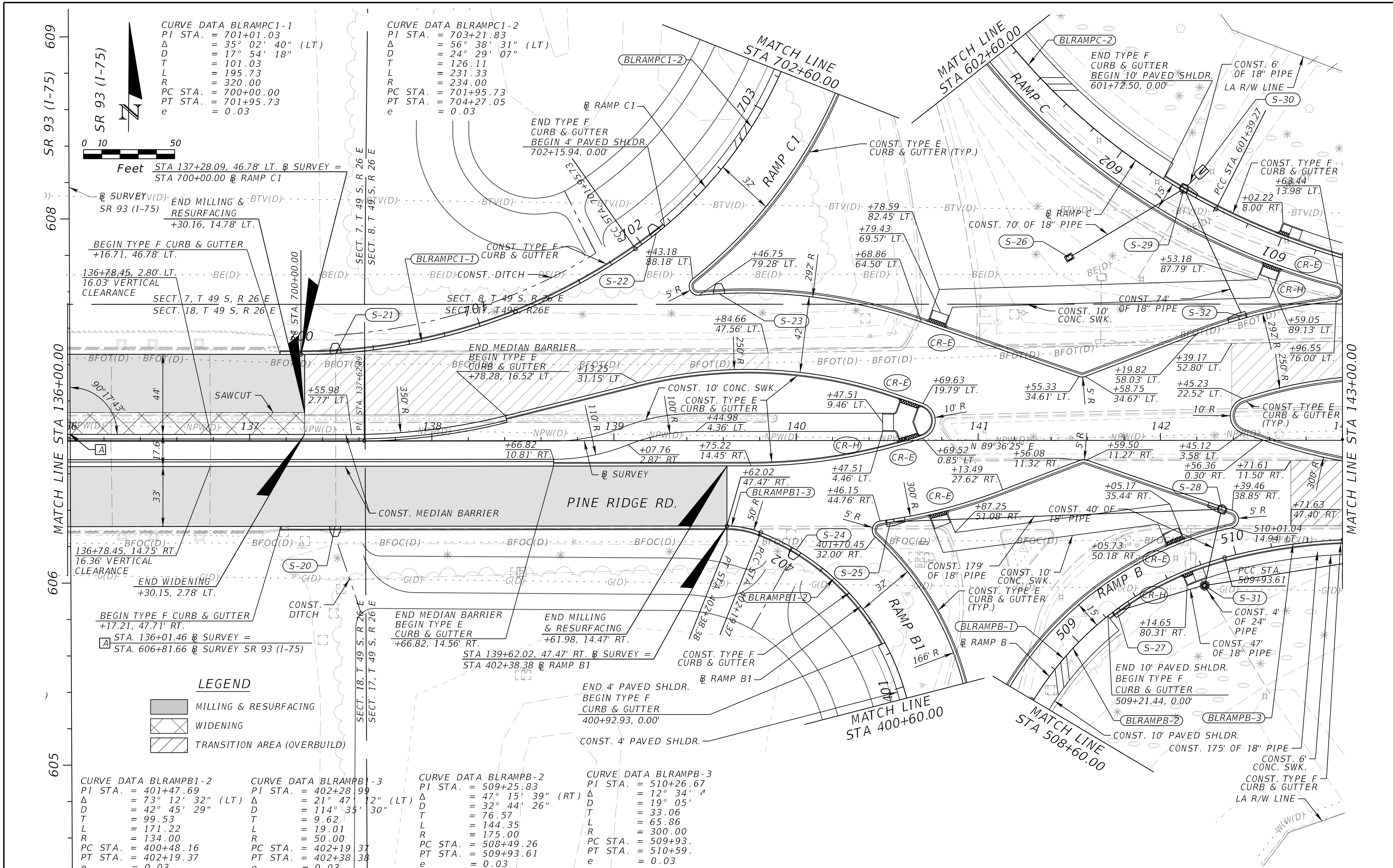
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

ROADWAY PLAN (2)

SHEET NO. 8



CURVE DATA BLRAMPC1-1
PI STA. = 701+01.03
Δ = 35° 02' 40" (LT)
D = 17° 54' 18"
T = 101.03
L = 195.73
R = 320.00
PC STA. = 700+00.00
PT STA. = 701+95.73
e = 0.03

CURVE DATA BLRAMPC1-2
PI STA. = 703+21.83
Δ = 56° 38' 31" (LT)
D = 24° 29' 07"
T = 126.11
L = 231.33
R = 234.00
PC STA. = 701+95.73
PT STA. = 704+27.05
e = 0.03

LEGEND
MILLING & RESURFACING
WIDENING
TRANSITION AREA (OVERBUILD)

CURVE DATA BLRAMPB1-2
PI STA. = 401+47.69
Δ = 73° 12' 32" (LT)
D = 42° 45' 29"
T = 99.53
L = 171.22
R = 134.00
PC STA. = 400+48.16
PT STA. = 402+19.37
e = 0.03

CURVE DATA BLRAMPB1-3
PI STA. = 402+28.99
Δ = 21° 47' 12" (LT)
D = 114° 35' 30"
T = 9.62
L = 19.01
R = 50.00
PC STA. = 402+19.37
PT STA. = 402+38.38
e = 0.03

CURVE DATA BLRAMPB-2
PI STA. = 509+25.83
Δ = 47° 15' 39" (RT)
D = 32° 44' 26"
T = 76.57
L = 144.35
R = 175.00
PC STA. = 508+49.26
PT STA. = 509+93.61
e = 0.03

CURVE DATA BLRAMPB-3
PI STA. = 510+26.67
Δ = 12° 34' 4
D = 19° 05'
T = 33.06
L = 65.86
R = 300.00
PC STA. = 509+93.
PT STA. = 510+59.
e = 0.03

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

ROADWAY PLAN (3)

SHEET NO. 9

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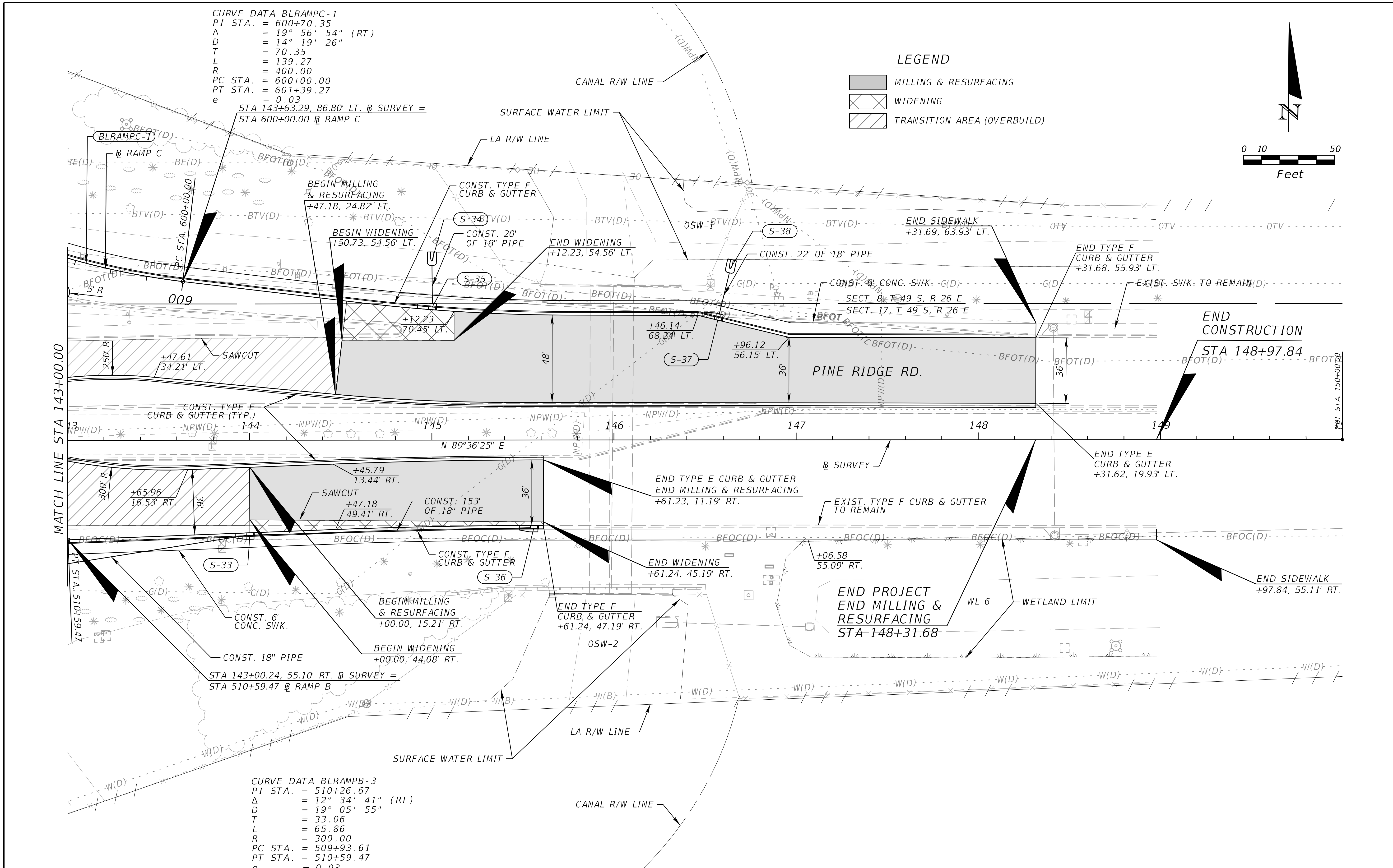

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HDR Engineering, Inc.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

ROADWAY PLAN (4)

SHEET NO. 10

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CURVE DATA BLRAMPA-1
PI STA. = 203+95.57
Δ = 14° 16' 33" (LT)
D = 14° 19' 26"
T = 50.09
L = 99.66
R = 400.00
PC STA. = 203+45.48
PT STA. = 204+45.14
e = 0.03

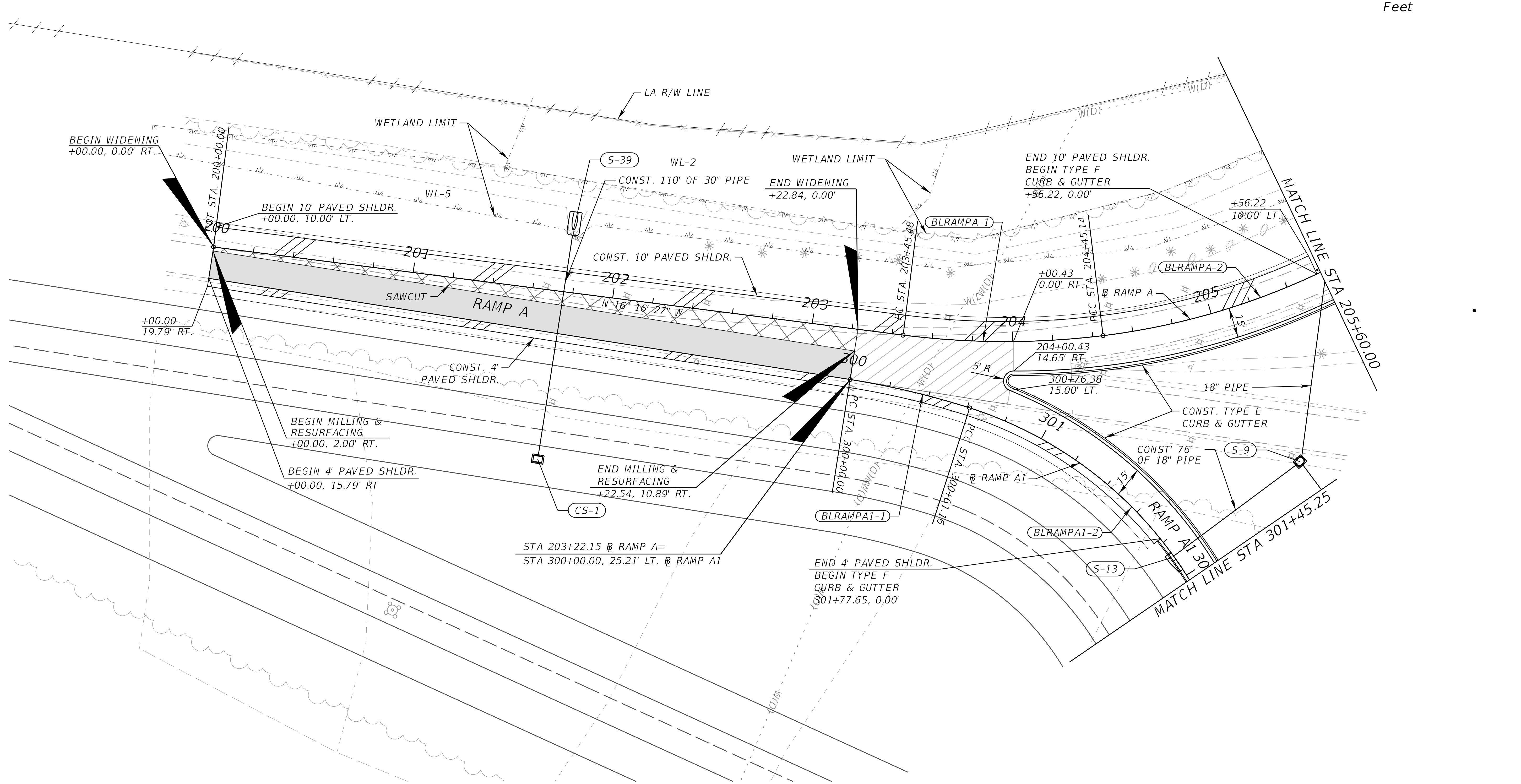
CURVE DATA BLRAMPA-2
PI STA. = 205+73.95
Δ = 40° 24' 31" (LT)
D = 16° 22' 13"
T = 128.81
L = 246.84
R = 350.00
PC STA. = 204+45.14
PT STA. = 206+91.98
e = 0.03

CURVE DATA BLRAMPA1-1
PI STA. = 300+30.64
Δ = 8° 45' 38" (RT)
D = 14° 19' 26"
T = 30.64
L = 61.16
R = 400.00
PC STA. = 300+00.00
PT STA. = 300+61.16
e = 0.03

CURVE DATA BLRAMPA1-2
PI STA. = 302+09.27
Δ = 73° 02' 41" (RT)
D = 28° 38' 52"
T = 148.11
L = 254.97
R = 200.00
PC STA. = 300+61.16
PT STA. = 303+16.13
e = 0.03

LEGEND
MILLING & RESURFACING
WIDENING
TRANSITION AREA (OVERBUILD)

0 10 50
Feet



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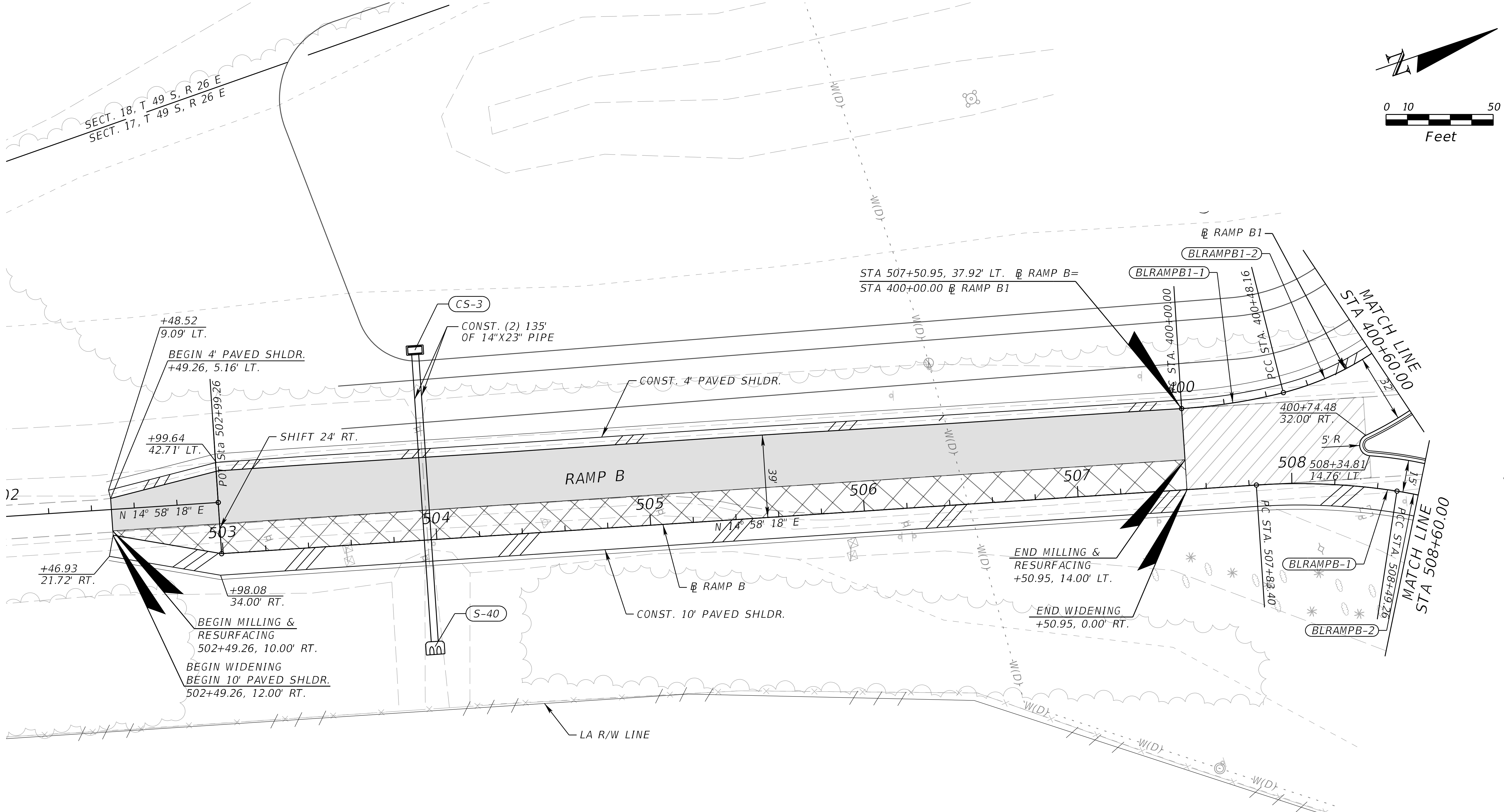
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

ROADWAY PLAN (5)

SHEET NO.
11



CURVE DATA BLRAMPB-1	
PI STA.	= 508+16.47
Δ	= 12° 34' 41" (RT)
D	= 19° 05' 55"
T	= 33.06
L	= 65.86
R	= 300.00
PC STA.	= 507+83.40
PT STA.	= 508+49.26
e	= 0.03

CURVE DATA BLRAMPB-2	
PI STA.	= 509+25.83
Δ	= 47° 15' 39" (RT)
D	= 32° 44' 26"
T	= 76.57
L	= 144.35
R	= 175.00
PC STA.	= 508+49.26
PT STA.	= 509+93.61
e	= 0.03

CURVE DATA BLRAMPB1-1	
PI STA.	= 400+24.15
Δ	= 10° 36' 43" (LT)
D	= 22° 02' 13"
T	= 24.15
L	= 48.16
R	= 260.00
PC STA.	= 400+00.00
PT STA.	= 400+48.16
e	= 0.03

CURVE DATA BLRAMPB1-2	
PI STA.	= 401+47.69
Δ	= 73° 12' 32" (LT)
D	= 42° 45' 29"
T	= 99.53
L	= 171.22
R	= 134.00
PC STA.	= 400+48.16
PT STA.	= 402+19.37
e	= 0.03

LEGEND

- MILLING & RESURFACING
- WIDENING
- TRANSITION AREA (OVERBUILD)

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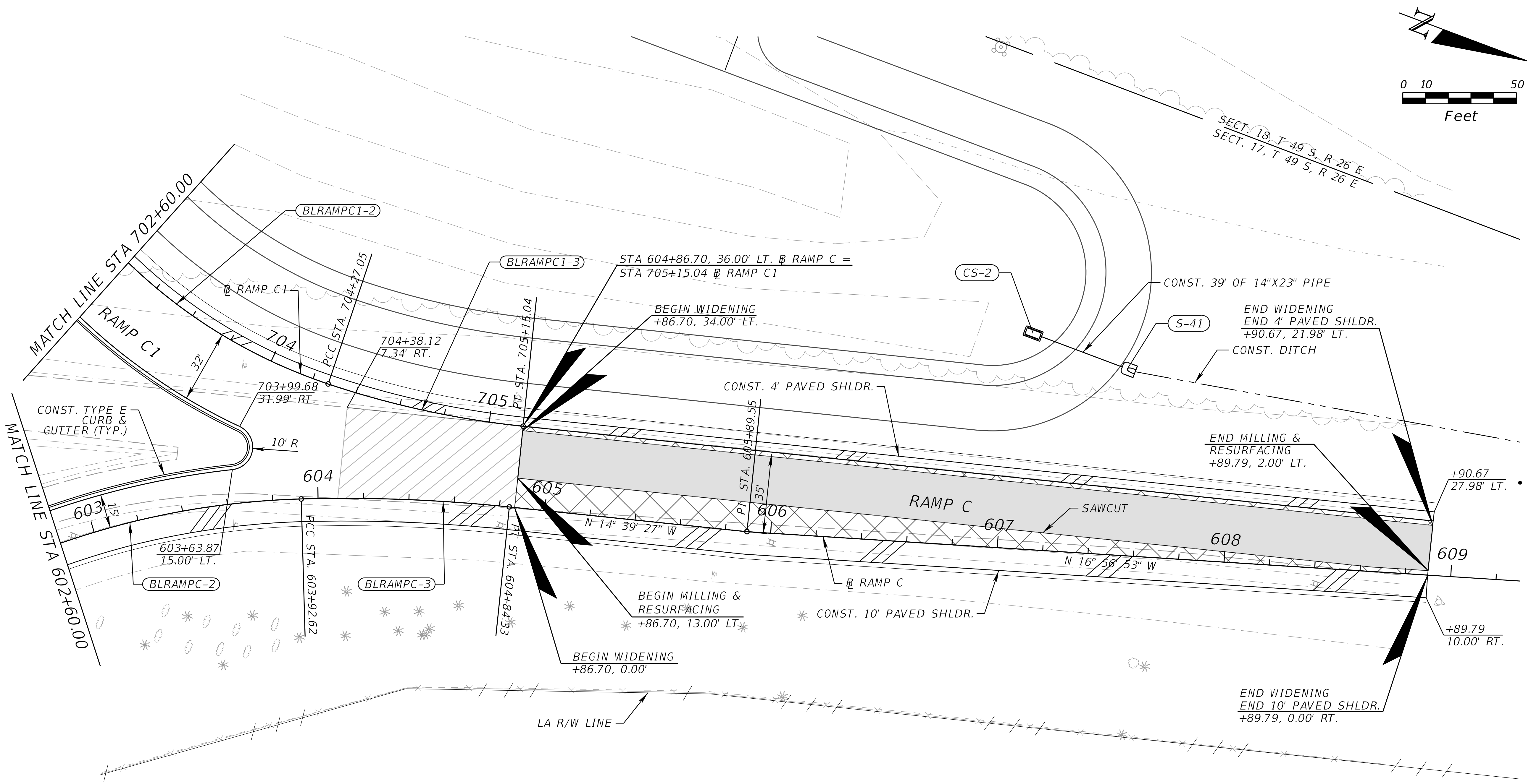
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

ROADWAY PLAN (6)

SHEET NO. 12



CURVE DATA BLRAMPC-2
PI STA. = 602+71.78
Δ = 41° 28' 26" (RT)
D = 16° 22' 13"
T = 132.51
L = 253.35
R = 350.00
PC STA. = 601+39.27
PT STA. = 603+92.62
e = 0.03

CURVE DATA BLRAMPC-3
PI STA. = 604+38.54
Δ = 7° 30' 26" (RT)
D = 8° 11' 06"
T = 45.92
L = 91.72
R = 700.00
PC STA. = 603+92.62
PT STA. = 604+84.33
e = 0.03

CURVE DATA BLRAMPC1-2
PI STA. = 703+21.83
Δ = 56° 38' 31" (LT)
D = 24° 29' 07"
T = 126.11
L = 231.33
R = 234.00
PC STA. = 701+95.73
PT STA. = 704+27.05
e = 0.03

CURVE DATA BLRAMPC1-3
PI STA. = 704+71.23
Δ = 12° 36' 12" (LT)
D = 14° 19' 26"
T = 44.17
L = 87.99
R = 400.00
PC STA. = 704+27.05
PT STA. = 705+15.04
e = 0.03

LEGEND

- MILLING & RESURFACING
- WIDENING
- TRANSITION AREA (OVERBUILD)

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CR 896	COLLIER	445296-1-22-01

ROADWAY PLAN (7)

SHEET NO. 13

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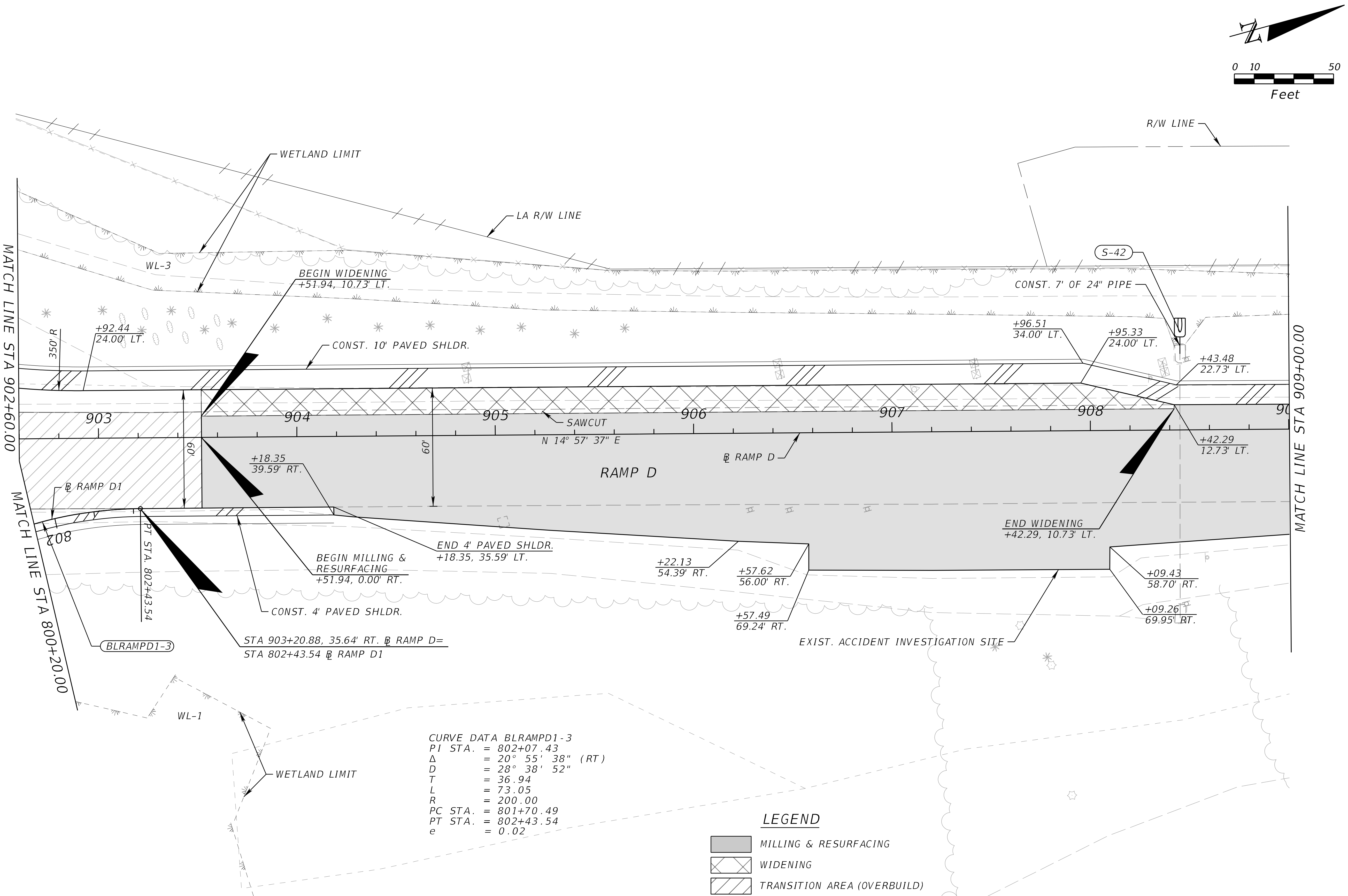

CURVE DATA BLRAMPD1-3
PI STA. = 802+07.43
Δ = 20° 55' 38" (RT)
D = 28° 38' 52"
T = 36.94
L = 73.05
R = 200.00
PC STA. = 801+70.49
PT STA. = 802+43.54
e = 0.02

LEGEND
- MILLING & RESURFACING
- WIDENING
- TRANSITION AREA (OVERBUILD)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA
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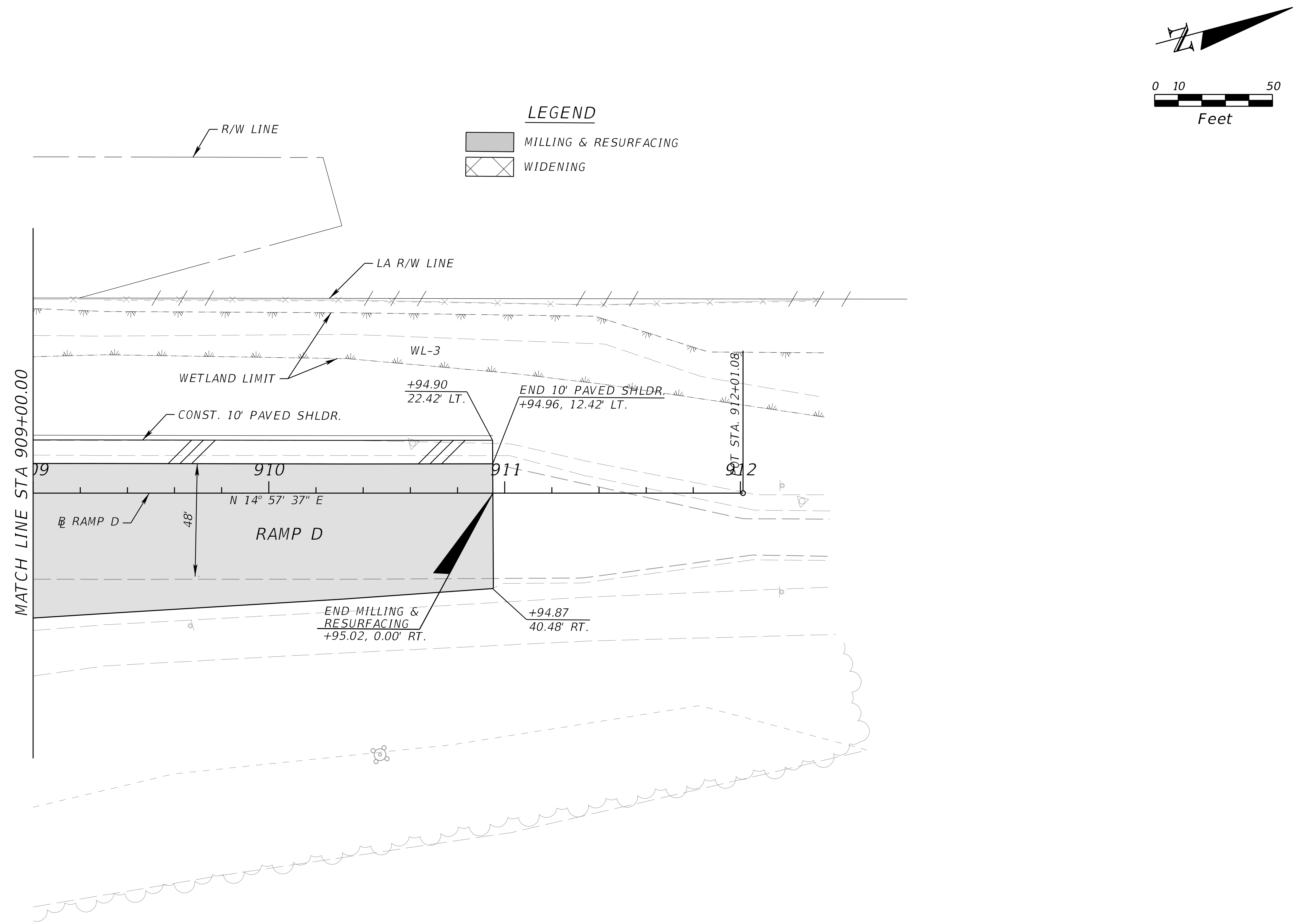
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

ROADWAY PLAN (8)

SHEET NO. 14



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DONALD R. HOLCOMB, P.E.
P.E. LICENSE NUMBER 51970
HDR Engineering, Inc.
2601 Cattlemen Road, Suite 400
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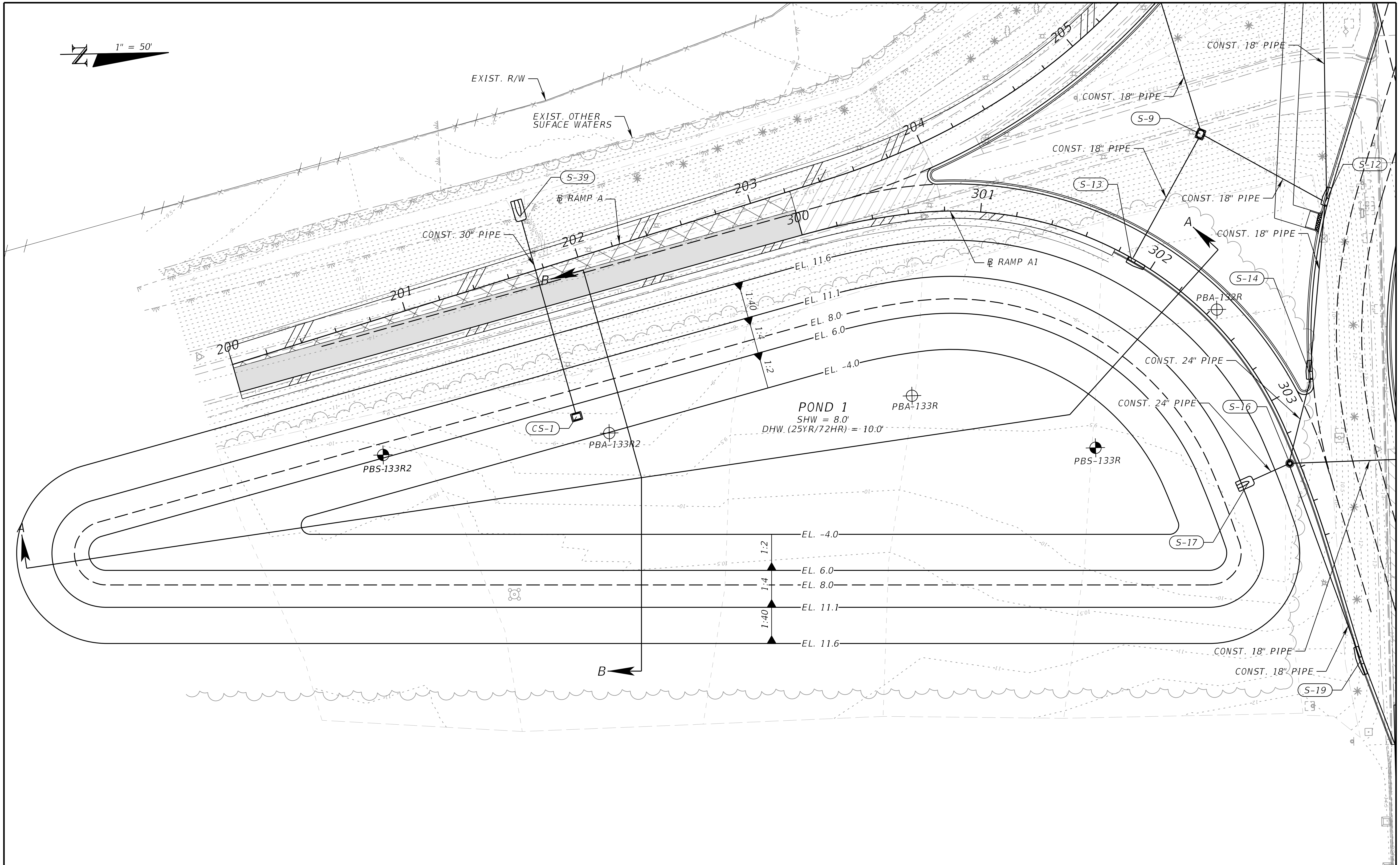
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

ROADWAY PLAN (9)

SHEET NO.
15



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KENNETH D. YINGER, P.E.
P.E. LICENSE NUMBER 75595
PATEL, GREENE & ASSOCIATES, LLC
12570 TELECOM DRIVE
TEMPLE TERRACE, FL 33637

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

POND DETAILS (1)
POND 1 PLAN LAYOUT

SHEET NO. 16

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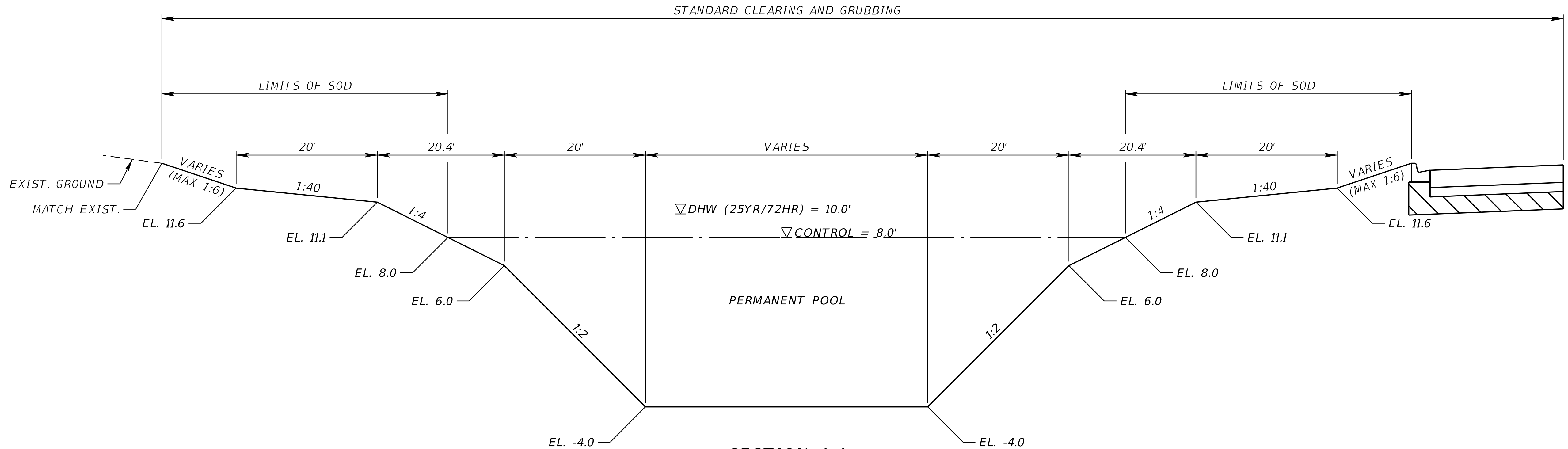
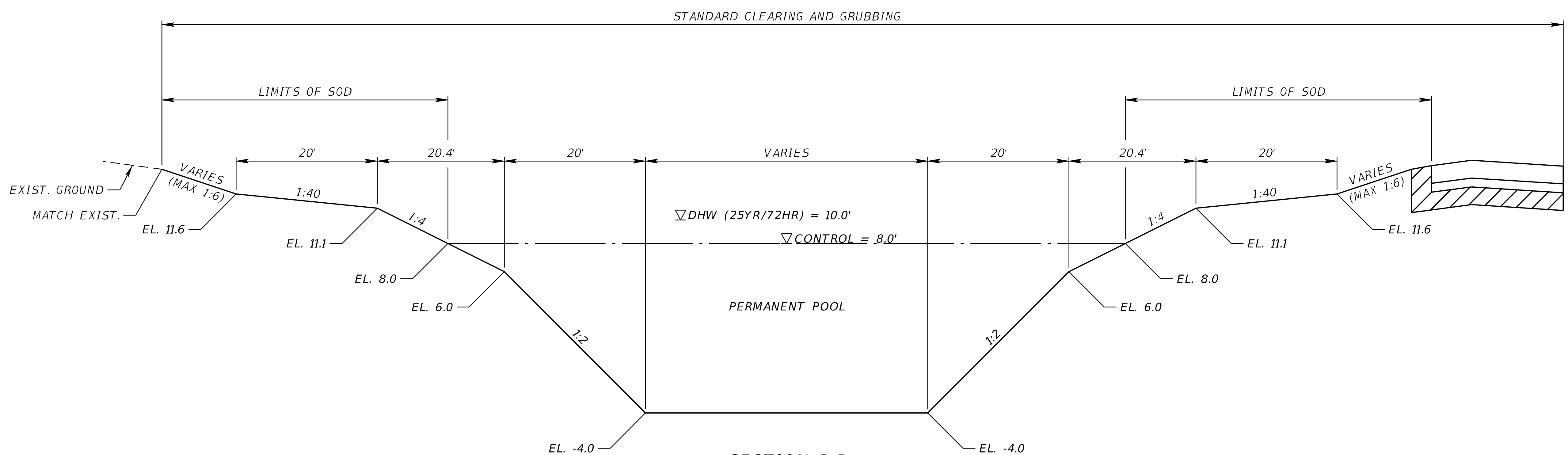


SECTION A-A

NTS



SECTION B-B

NTS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

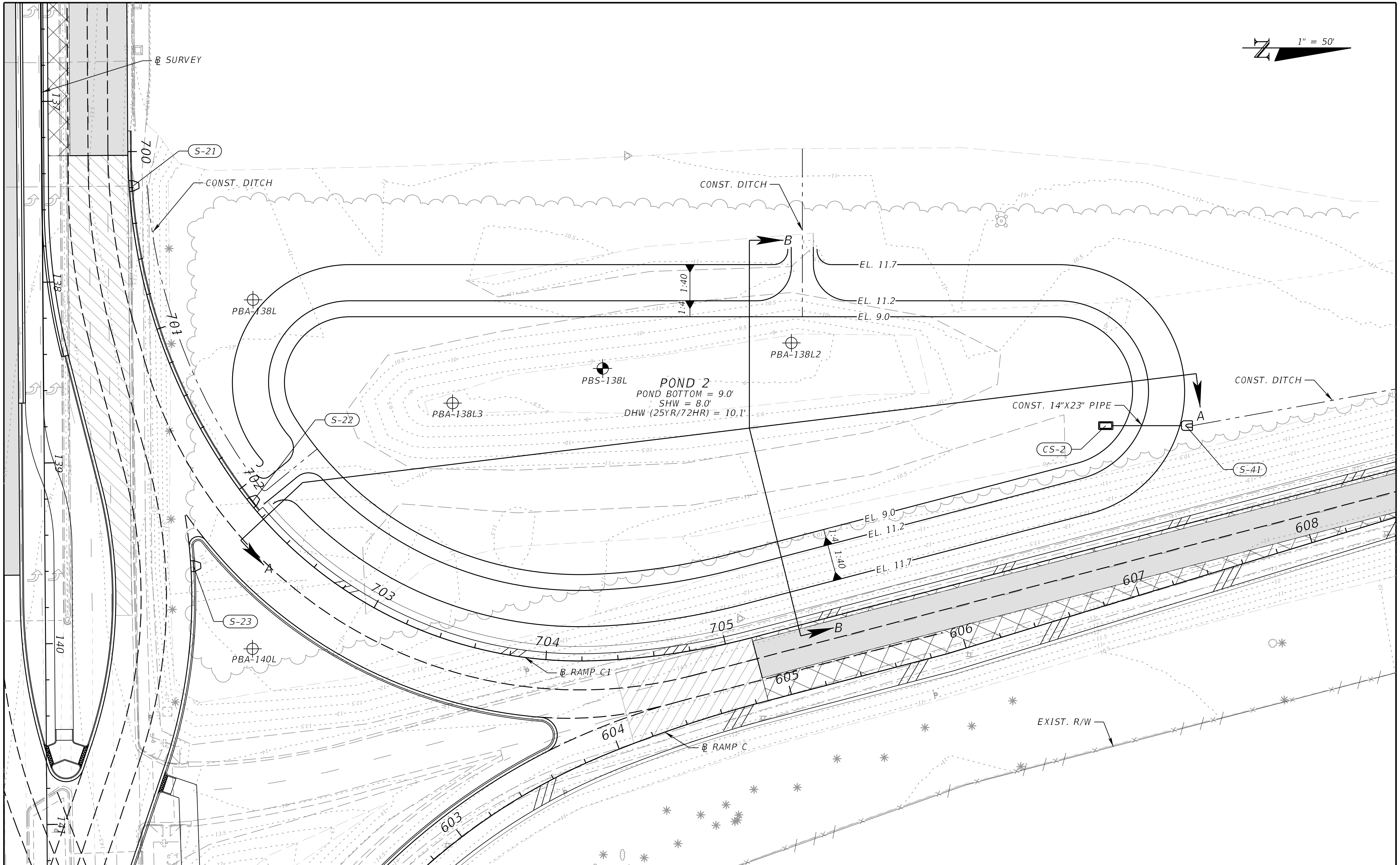
KENNETH D. YINGER, P.E.
P.E. LICENSE NUMBER 75595
PATEL, GREENE & ASSOCIATES, LLC
12570 TELECOM DRIVE
TEMPLE TERRACE, FL 33637

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

POND DETAILS (2)
POND 1 TYPICAL SECTION

SHEET NO. 17



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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

POND DETAILS (3)
POND 2 PLAN LAYOUT

SHEET NO.
18

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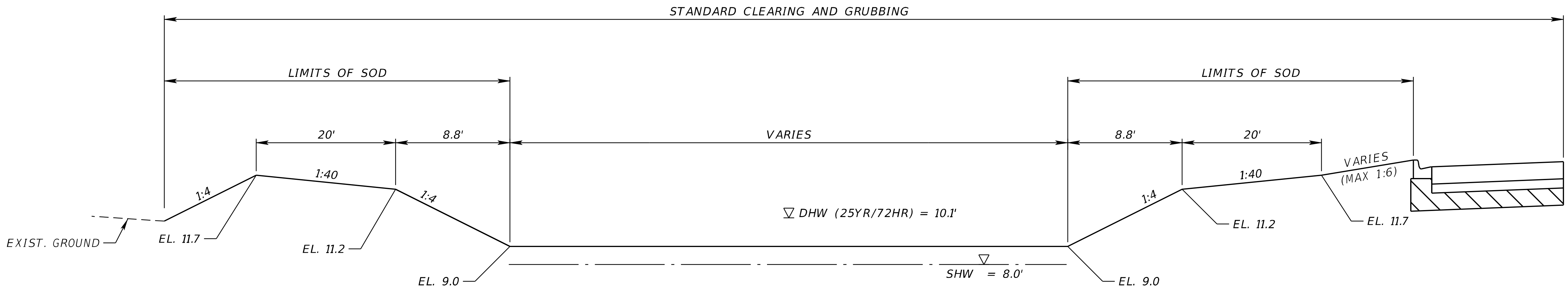
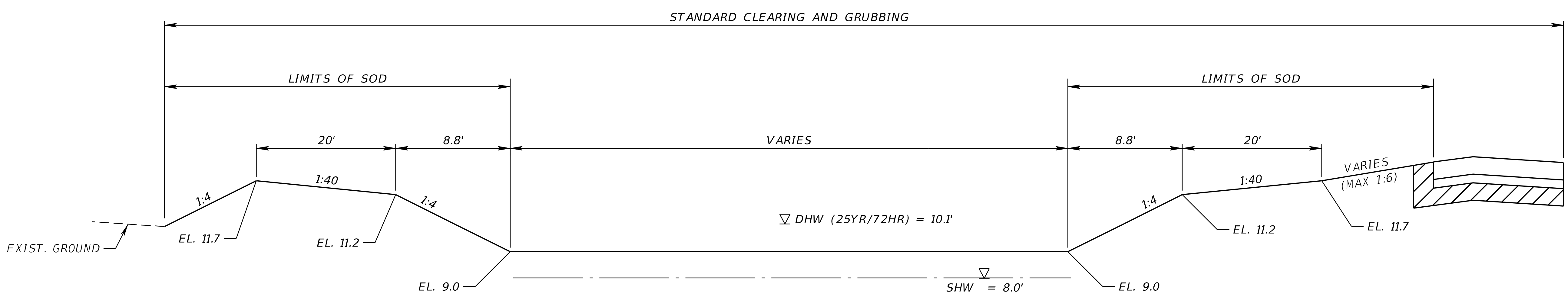


SECTION A-A

NTS



SECTION B-B

NTS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KENNETH D. YINGER, P.E.
P.E. LICENSE NUMBER 75595
PATEL, GREENE & ASSOCIATES, LLC
12570 TELECOM DRIVE
TEMPLE TERRACE, FL 33637

STATE OF FLORIDA
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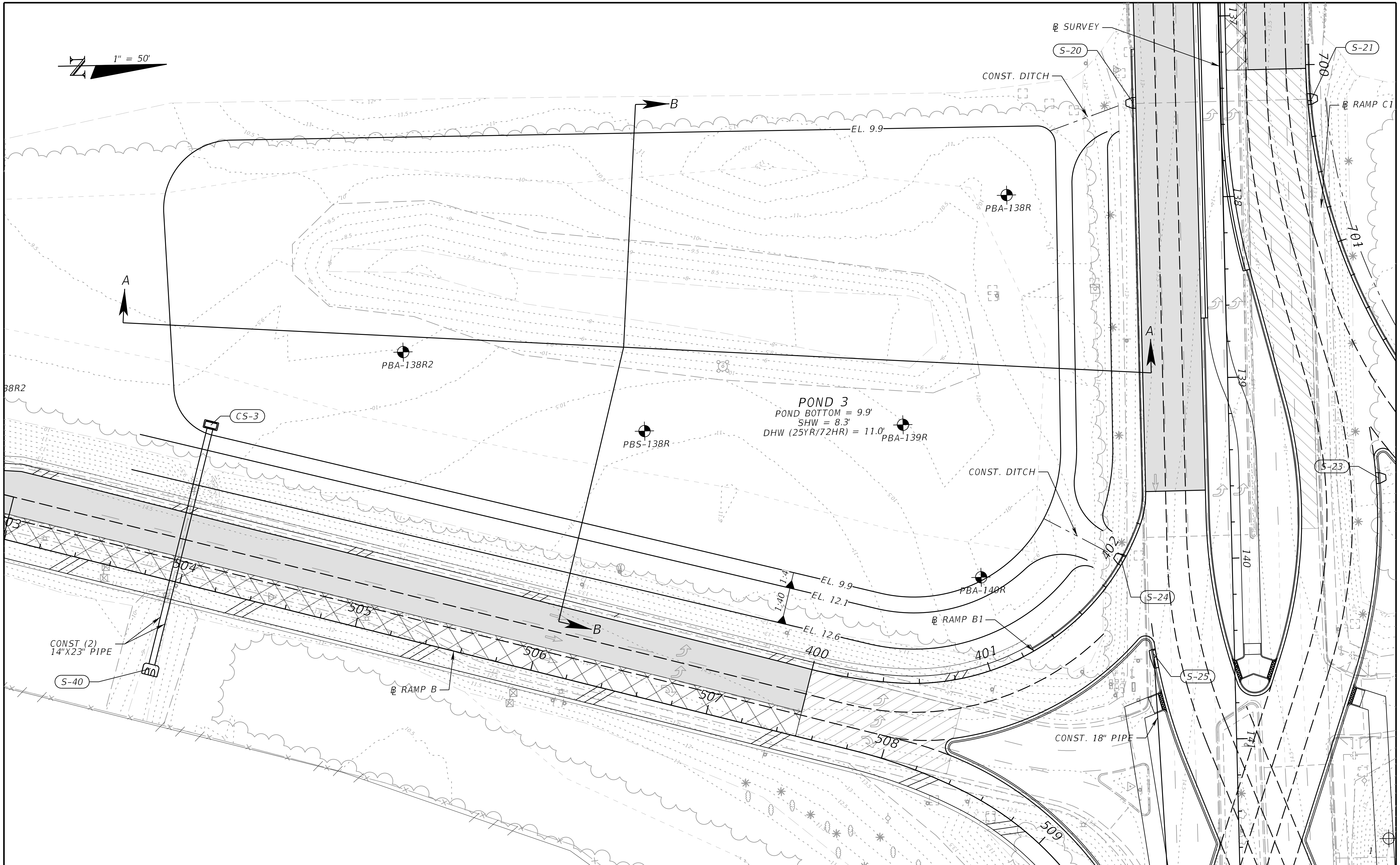
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

POND DETAILS (4)
POND 2 TYPICAL SECTION

SHEET NO. 19



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12570 TELECOM DRIVE
TEMPLE TERRACE, FL 33637

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

POND DETAILS (5)
POND 3 PLAN LAYOUT

SHEET NO. 20

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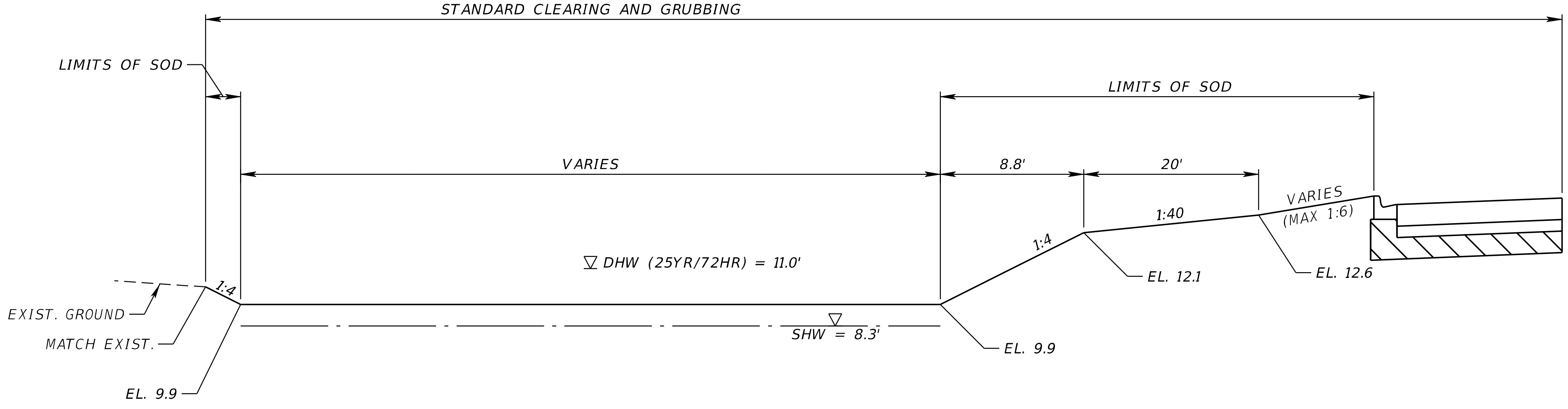
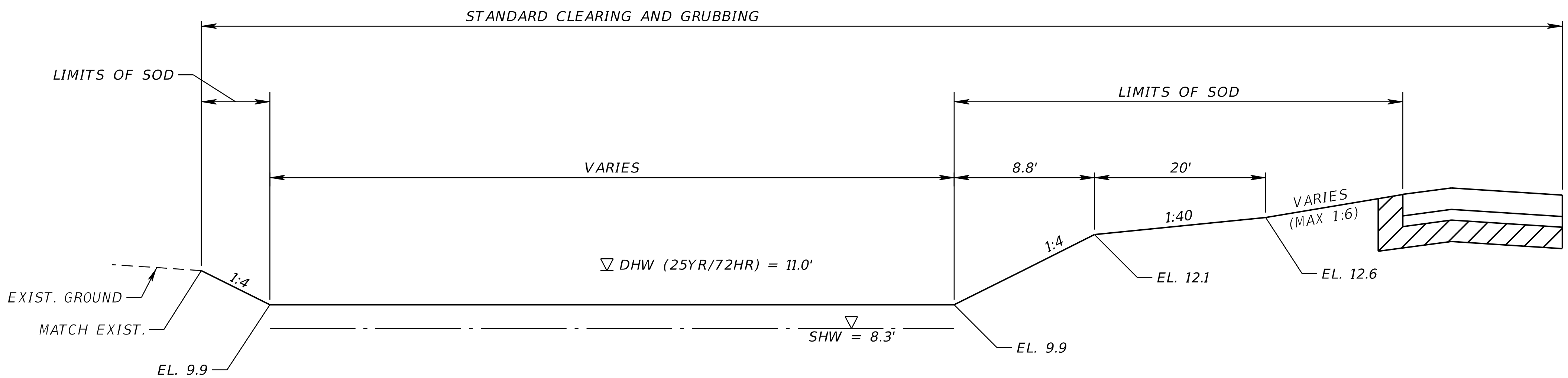


SECTION A-A

NTS



SECTION B-B

NTS

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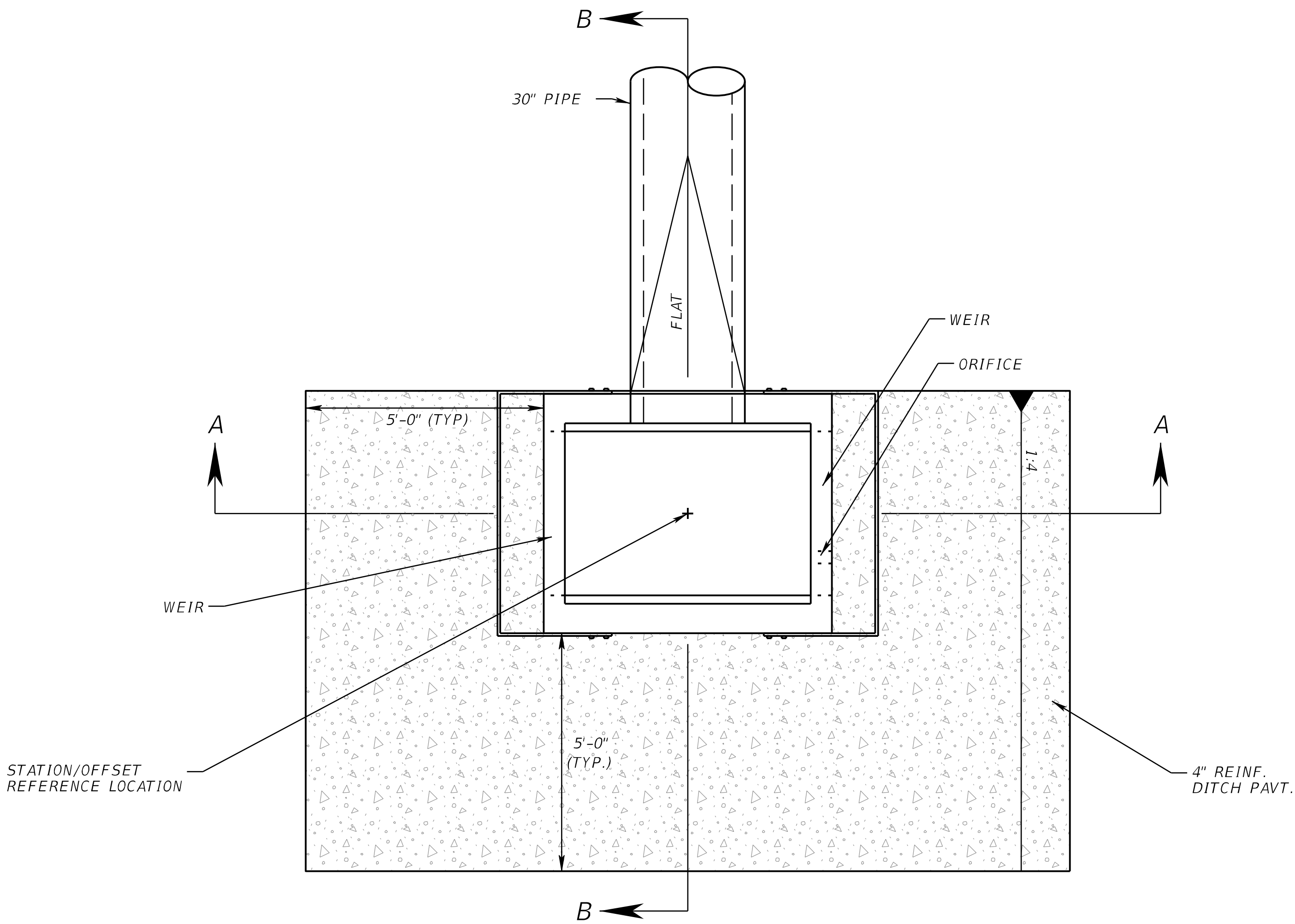
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

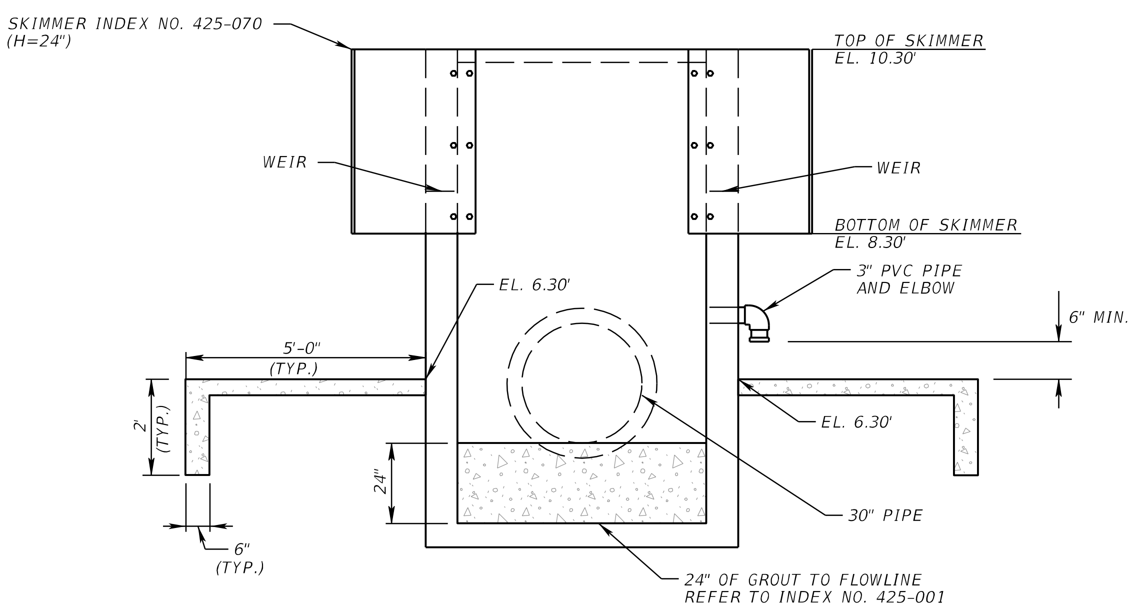
POND DETAILS (6)
POND 3 TYPICAL SECTION

SHEET NO. 21

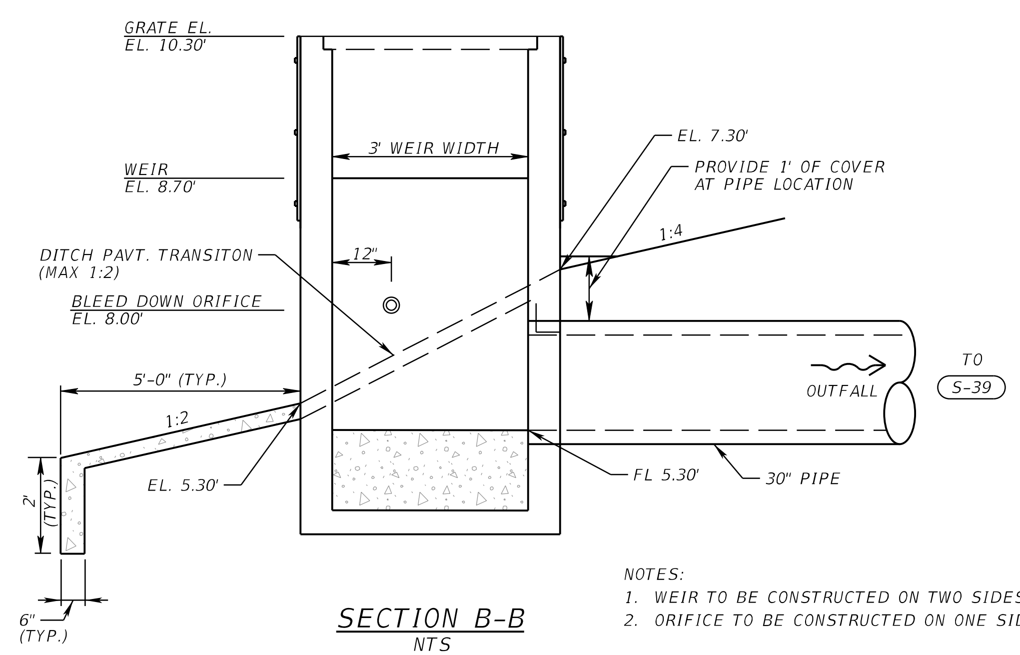
NOTES:
1. FOR ADDITIONAL DETAILS OF TYPE E INLETS, REFER TO INDEX NO. 425-052.
2. FOR ADDITIONAL DETAILS OF SKIMMER, REFER TO INDEX NO. 425-070.
3. THE COSTS OF THE INLET, WEIR, BLEEDDOWN ORIFICE, SKIMMER, FASTENERS, AND CONCRETE DITCH PAVEMENT ARE TO BE INCLUDED IN THE UNIT PRICE FOR EACH OUTFALL STRUCTURE.



PLAN VIEW (CS-1)
TYPICAL MODIFIED TYPE E INLET (NTS)



SECTION A-A
NTS



SECTION B-B
NTS

NOTES:
1. WEIR TO BE CONSTRUCTED ON TWO SIDES.
2. ORIFICE TO BE CONSTRUCTED ON ONE SIDE.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KENNETH D. YINGER, P.E.
P.E. LICENSE NUMBER 75595
PATEL, GREENE & ASSOCIATES, LLC
12570 TELECOM DRIVE
TEMPLE TERRACE, FL 33637

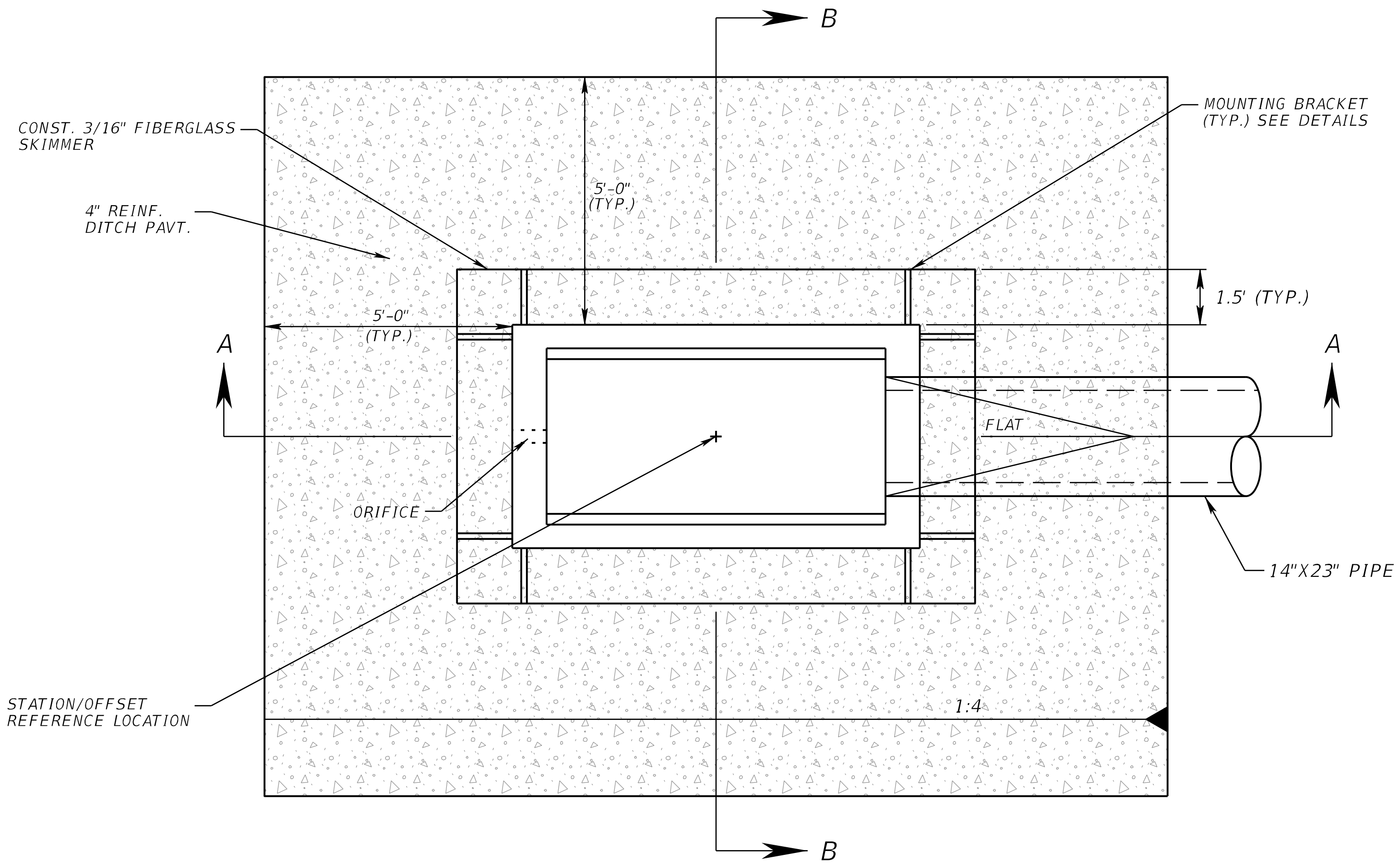
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

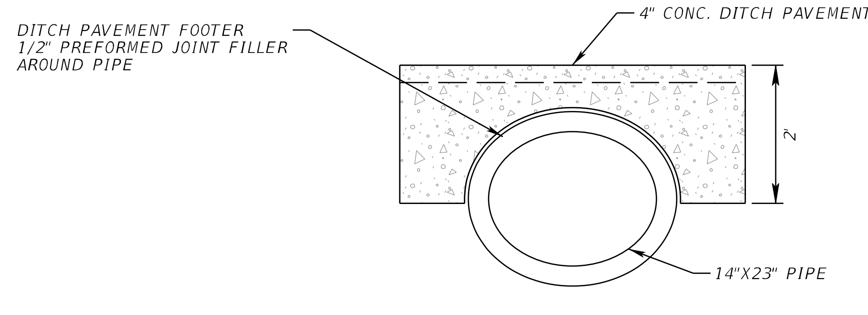
DRAINAGE DETAILS (1)

SHEET NO.
22

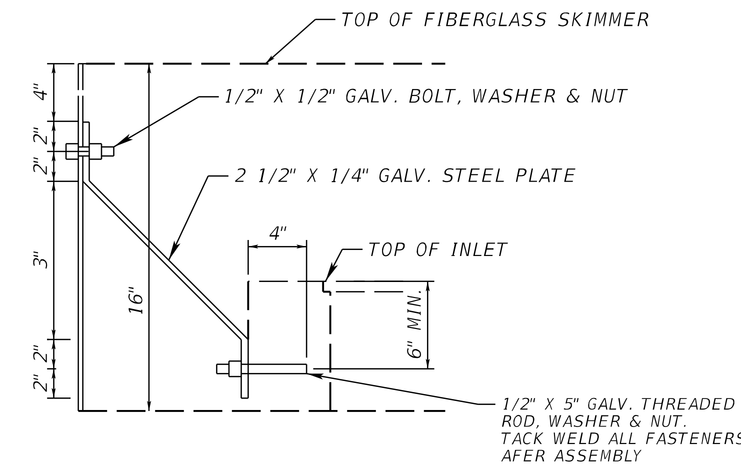
NOTES:
1. FOR ADDITIONAL DETAILS OF TYPE H INLETS, REFER TO INDEX NO. 425-052.
2. THE COSTS OF THE INLET, WEIR, BLEEDDOWN ORIFICE, SKIMMER, FASTENERS, AND CONCRETE DITCH PAVEMENT ARE TO BE INCLUDED IN THE UNIT PRICE FOR EACH OUTFALL STRUCTURE.



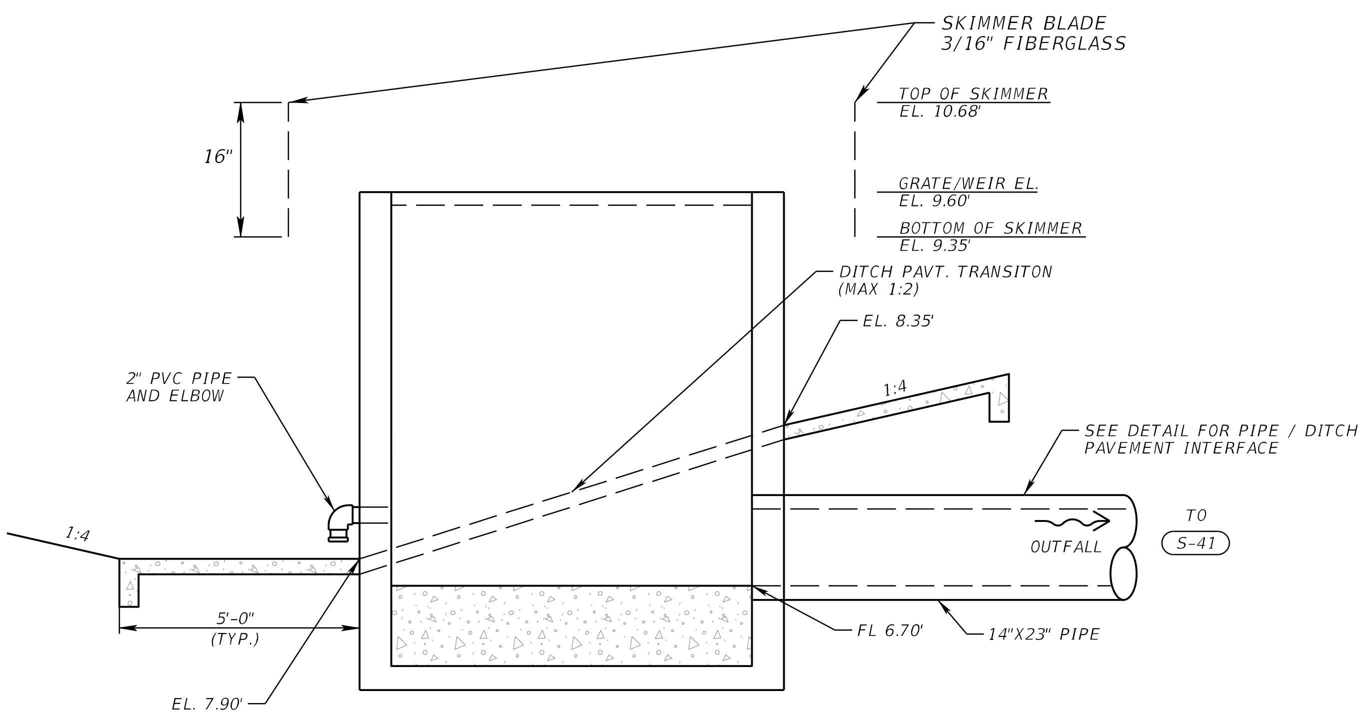
PLAN VIEW (CS-2)
TYPICAL MODIFIED 2-GRATE TYPE H INLET (NTS)



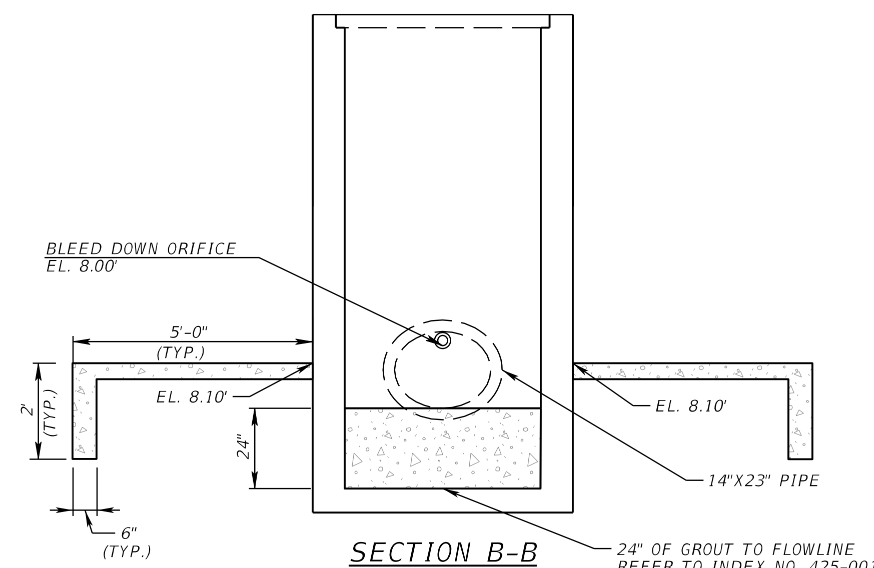
PIPE/DITCH PAVT. INTERFACE DETAIL
NTS



MOUNTING BRACKET DETAIL
NTS



SECTION A-A
NTS



SECTION B-B
NTS

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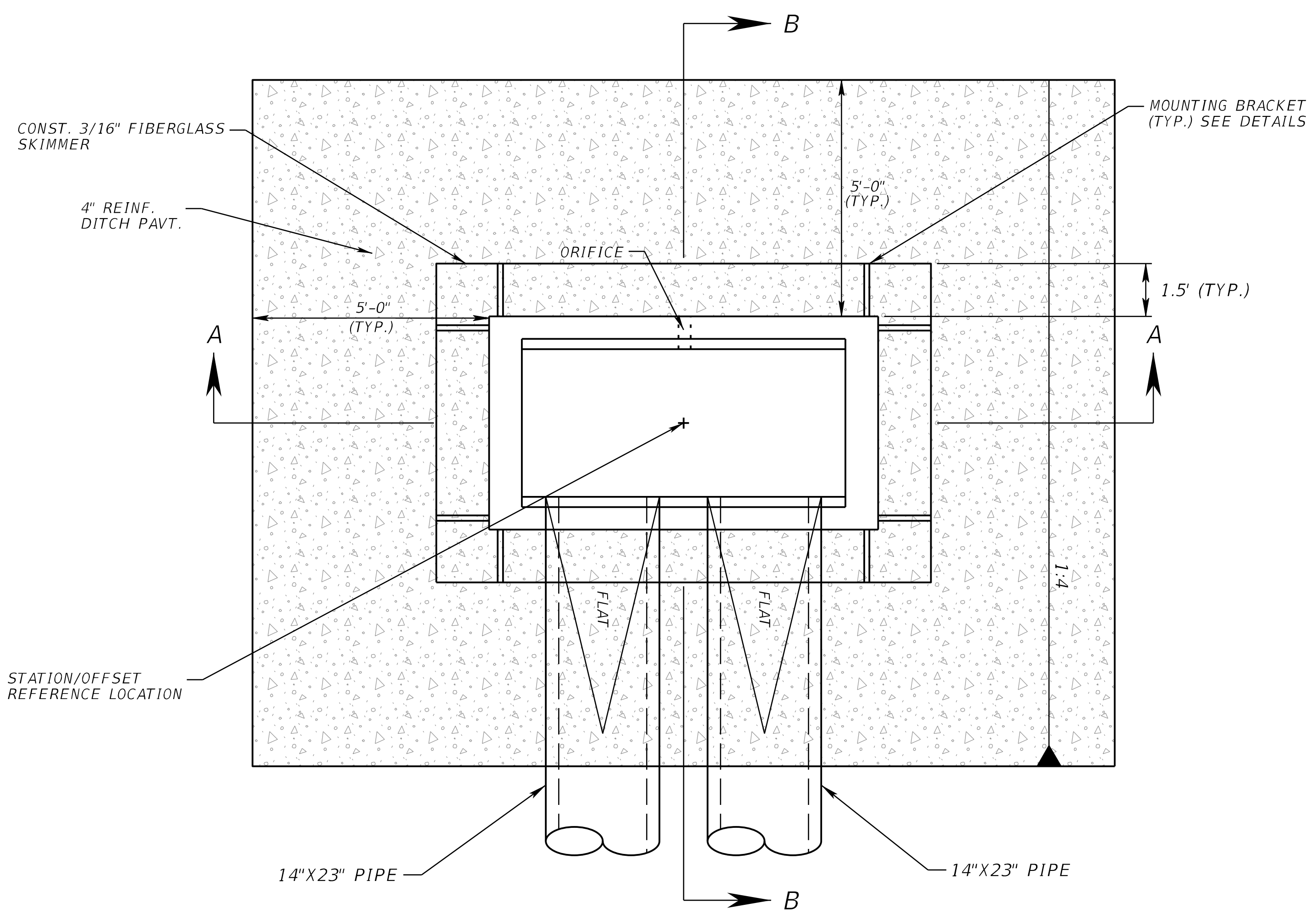
CR 896	COLLIER	445296-1-22-01

DRAINAGE DETAILS (2)

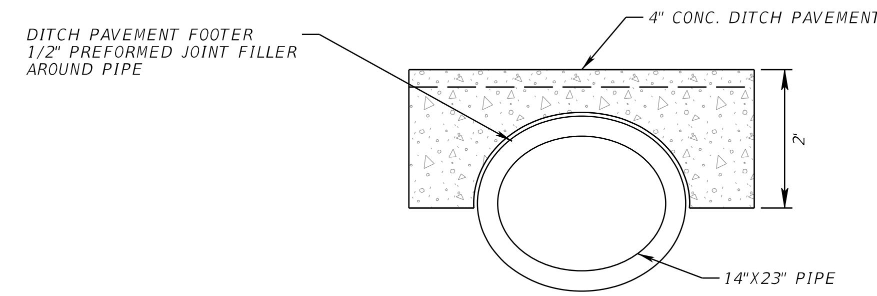
SHEET NO.
23

USER: kenny.yinger 5/27/2022 4:28:25 PM Default X:\FDOT1\44529612201\drainage\DRDTRD02.dgn

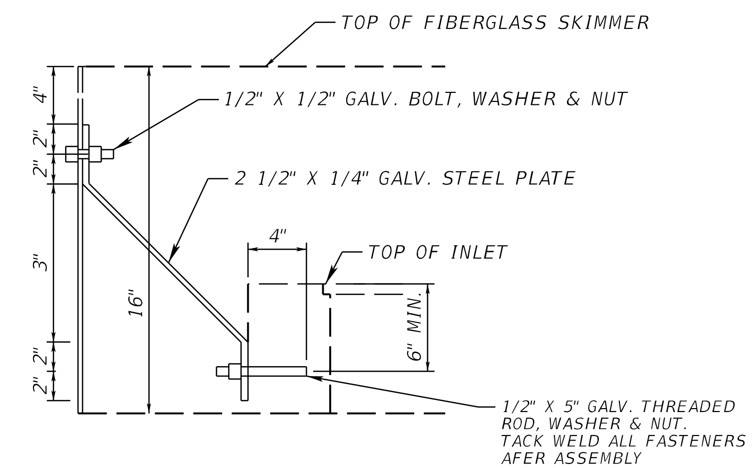
NOTES:
1. FOR ADDITIONAL DETAILS OF TYPE H INLETS, REFER TO INDEX NO. 425-052.
2. THE COSTS OF THE INLET, WEIR, BLEEDDOWN ORIFICE, SKIMMER, FASTENERS, AND CONCRETE DITCH PAVEMENT ARE TO BE INCLUDED IN THE UNIT PRICE FOR EACH OUTFALL STRUCTURE.



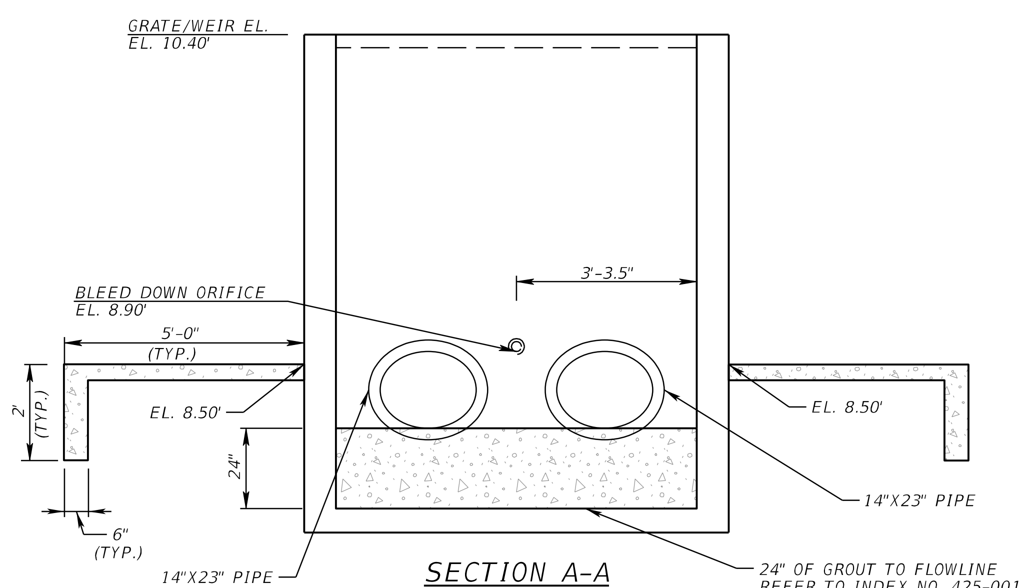
PLAN VIEW (CS-3)
TYPICAL MODIFIED 2-GRATE TYPE H INLET (NTS)



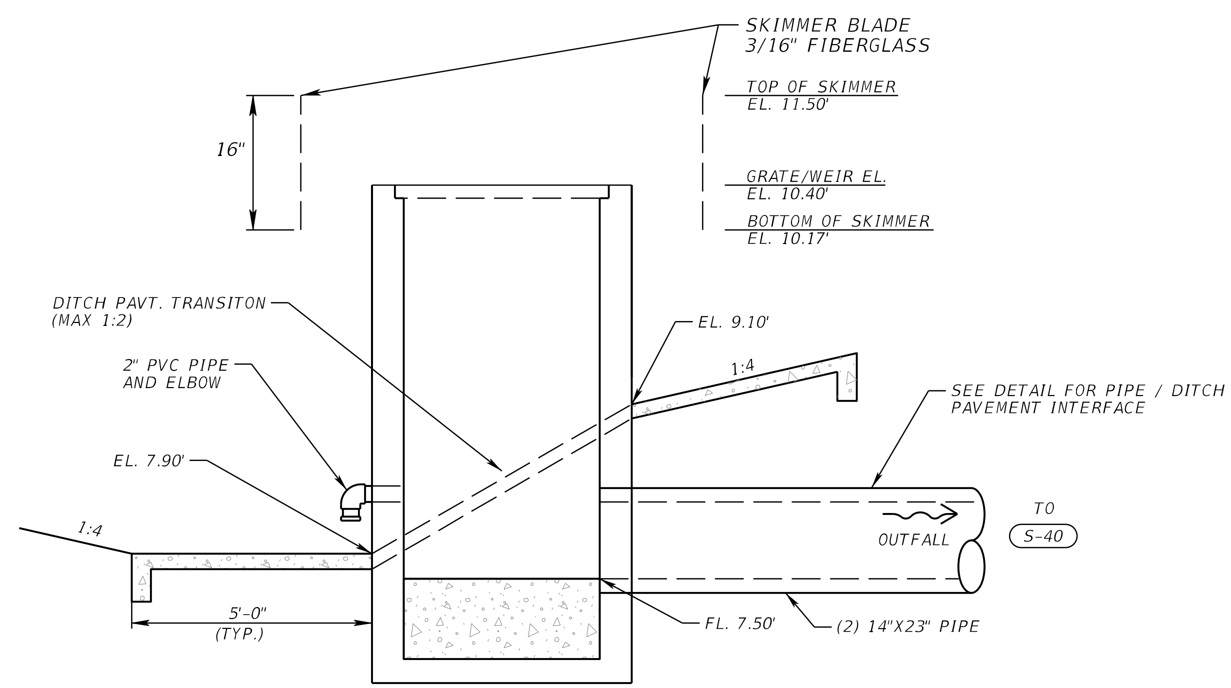
PIPE/DITCH PAVT. INTERFACE DETAIL
NTS



MOUNTING BRACKET DETAIL
NTS



SECTION A-A
NTS



SECTION B-B
NTS

REVISIONS			
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

DRAINAGE DETAILS (3)

SHEET NO.
24

TOTAL WETLAND IMPACTS

WETLAND NAME	FILL (CY)	EXCAVATION (CY)	DIRECT IMPACT (AC)	TEMPORARY IMPACT (AC)
Wetland 1	-	-	-	-
Wetland 2	-	-	-	-
Wetland 3	119.57	-	0.05	0.26
Wetland 4	-	-	-	-
Wetland 5	1,764.31	-	0.38	0.63
Wetland 6	220.70	-	0.11	0.20

NOTES

1. TEMPORARY IMPACTS - TEMPORARY DEWATERING OF THE EXISTING DITCHES MAY BE REQUIRED TO ESTABLISH NEW FILL SLOPES.

2. WETLANDS WL-4, WL-6, AND A PORTION OF WL-5 ARE COMPONENTS OF AN EXISTING PERMITTED STORMWATER MANAGEMENT SYSTEM; ERP PERMIT NO. 11-01837-P.

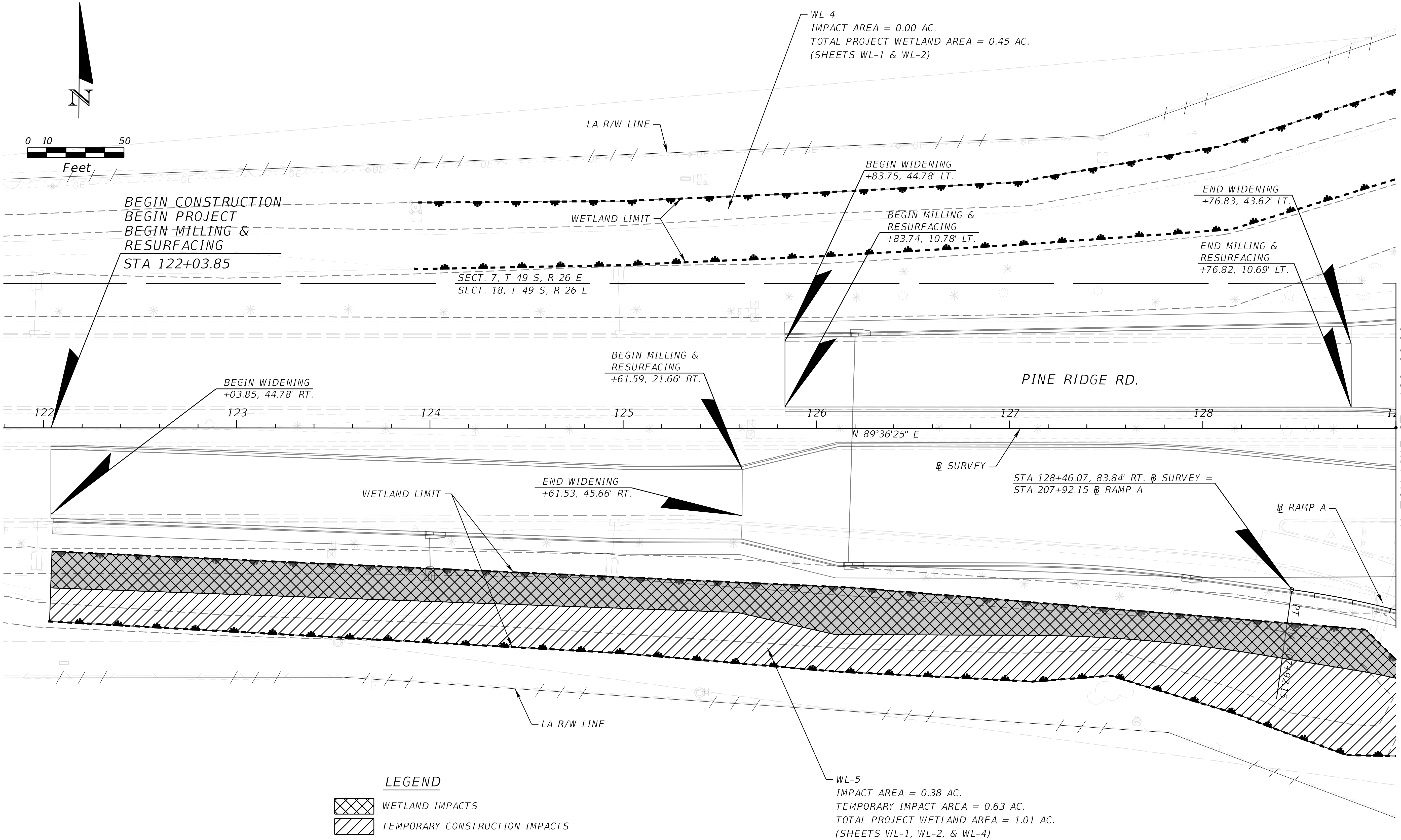
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DONALD R. HOLCOMB, P.E.
P.E. LICENSE NUMBER 51970
HDR Engineering, Inc.
2601 Cattlemen Road, Suite 400
Sarasota, FL 34232

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

WETLAND IMPACTS
GENERAL NOTES



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DEPARTMENT OF TRANSPORTATION

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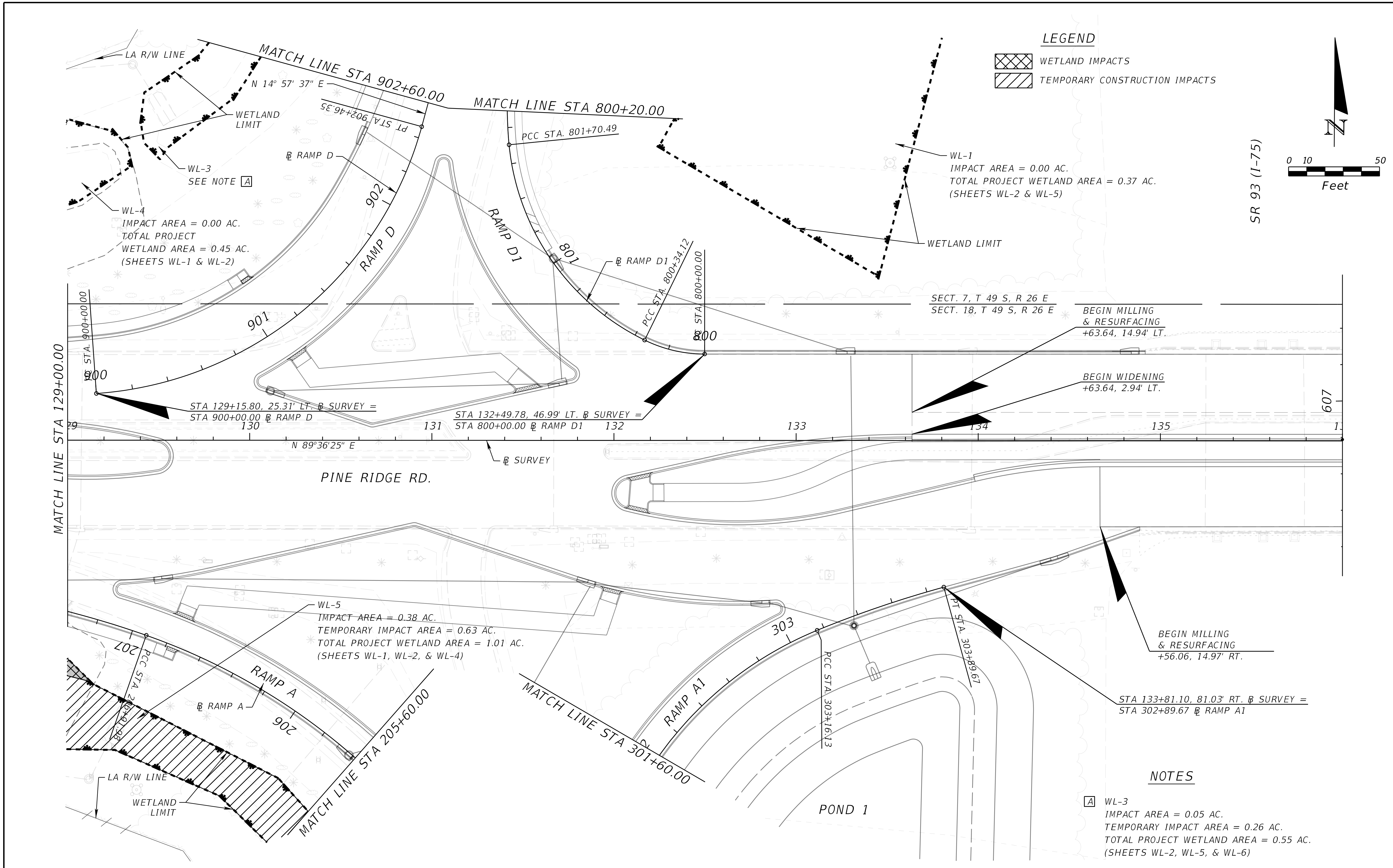
CR 896	COLLIER	445296-1-22-01

WETLAND IMPACTS PLAN (1)

SHEET NO. 26



NOTES

A WL-3
IMPACT AREA = 0.05 AC.
TEMPORARY IMPACT AREA = 0.26 AC.
TOTAL PROJECT WETLAND AREA = 0.55 AC.
(SHEETS WL-2, WL-5, & WL-6)

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WETLAND IMPACTS PLAN (2)

SHEET NO. 27

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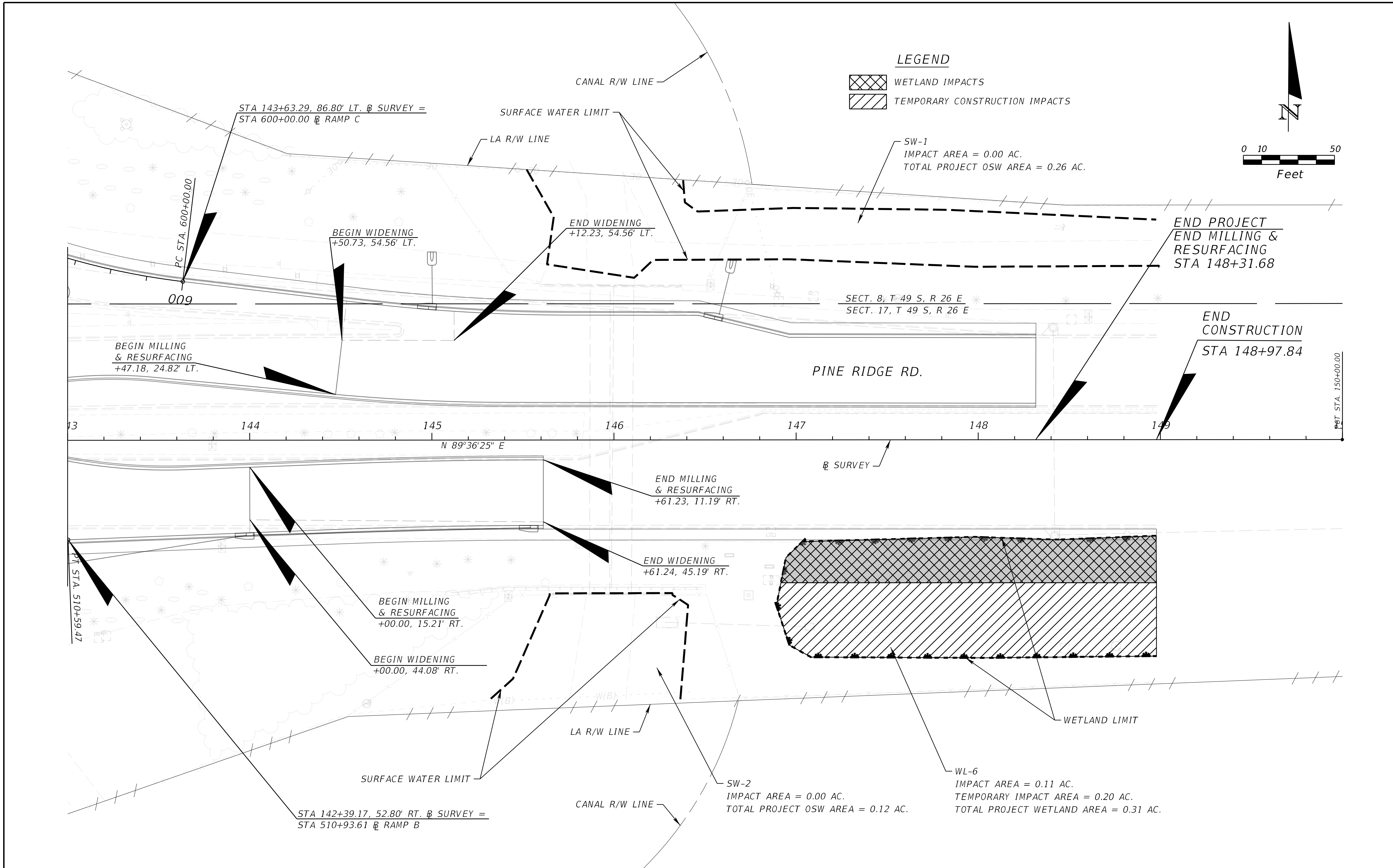

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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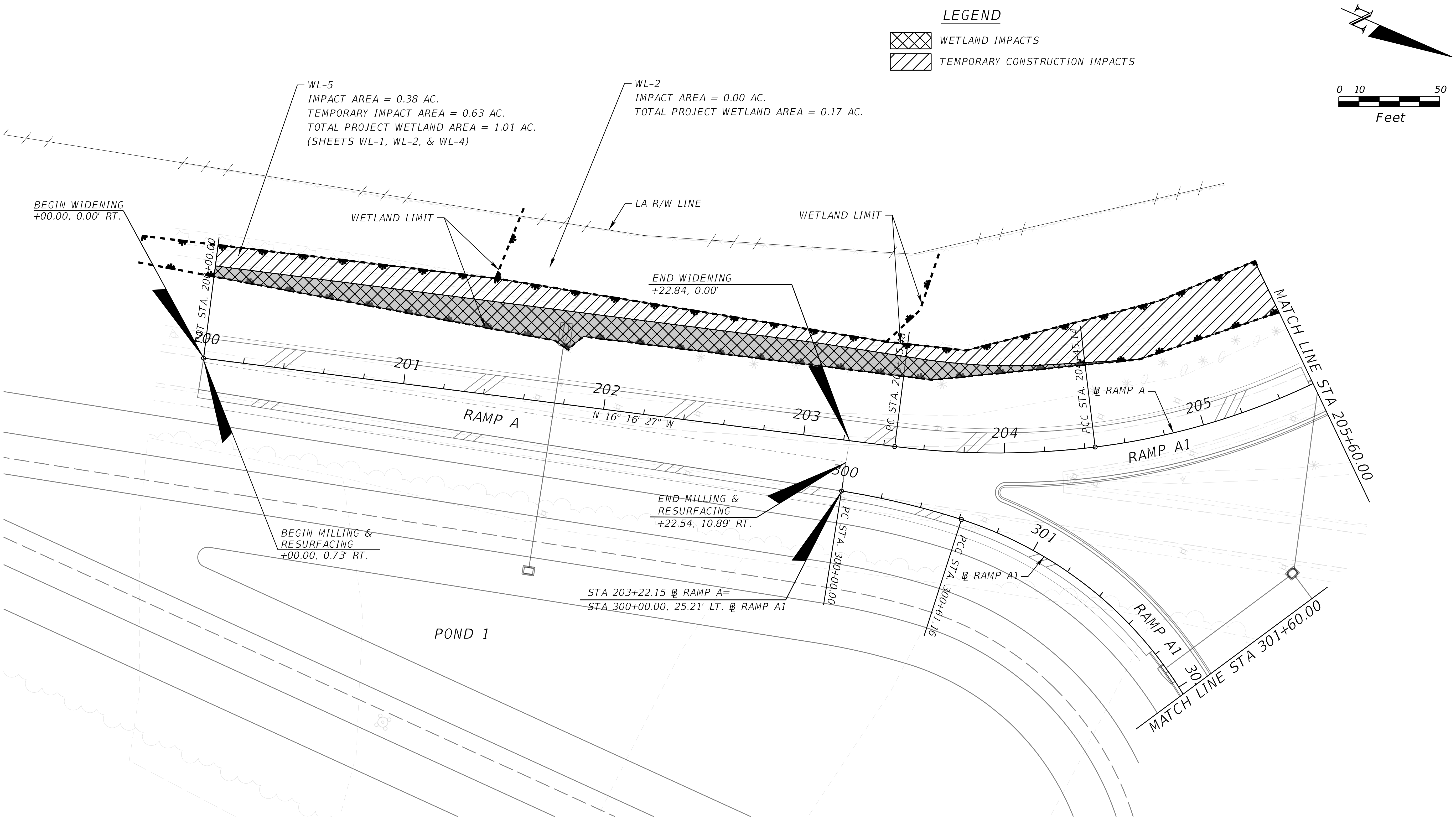
WETLAND IMPACTS PLAN (3)

SHEET NO.
28



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CR 896	COLLIER	445296-1-22-01

WETLAND IMPACTS PLAN (4)

SHEET NO. 29

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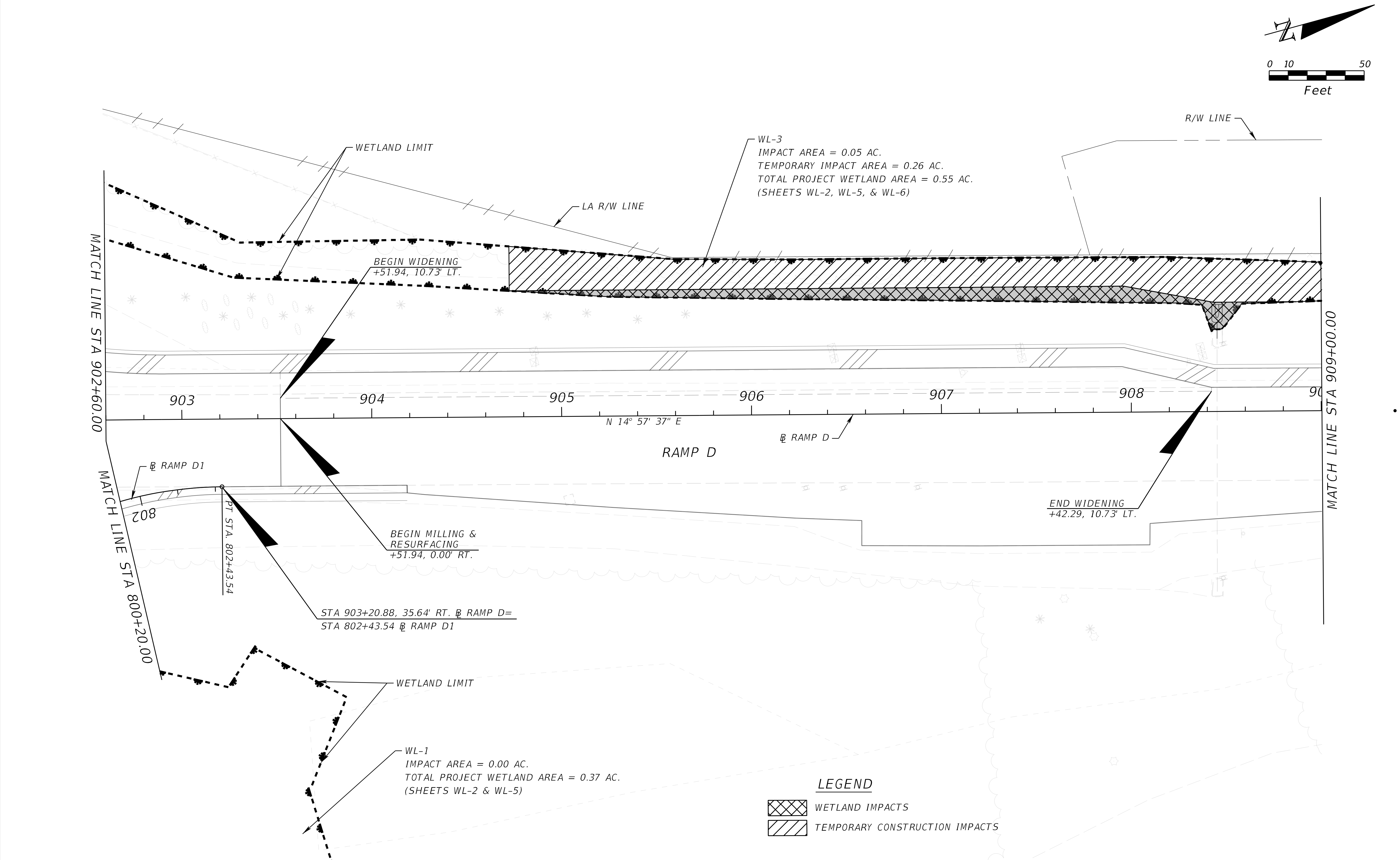

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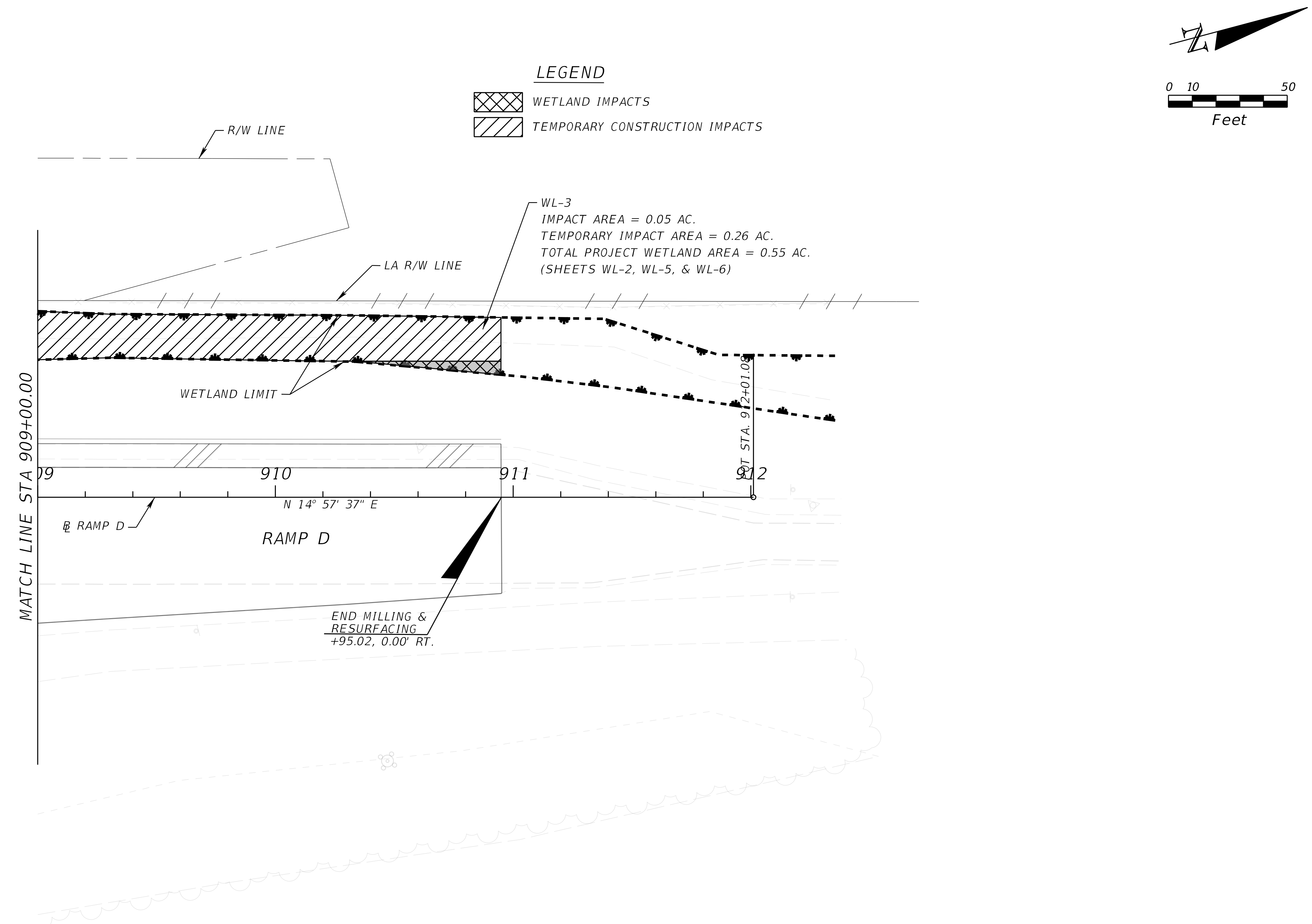
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

WETLAND IMPACTS PLAN (5)

SHEET NO. 30



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CR 896	COLLIER	445296-1-22-01

WETLAND IMPACTS PLAN (6)

SHEET NO. 31

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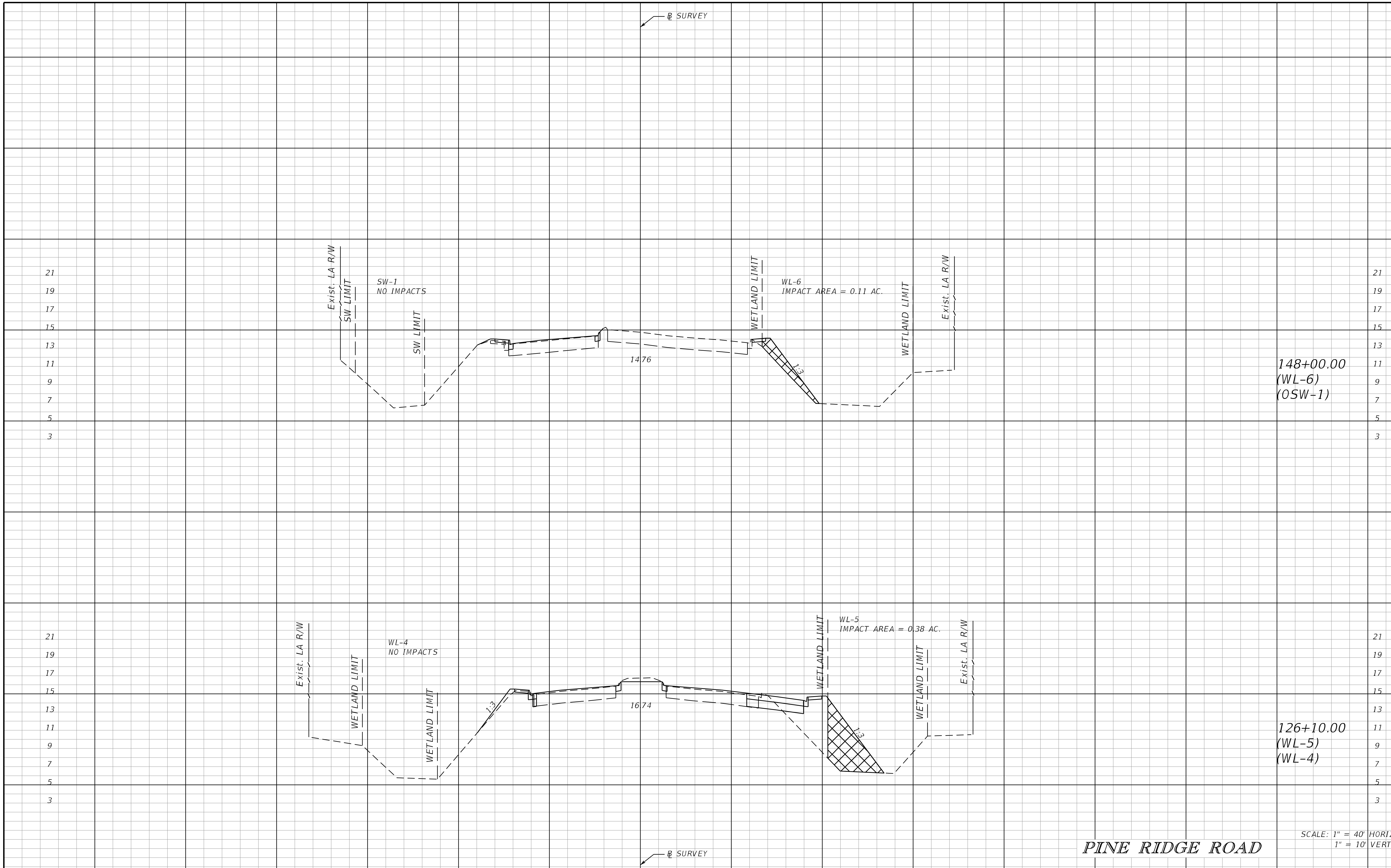

PINE RIDGE ROAD

SCALE: 1" = 40' HORIZ.
1" = 10' VERT.

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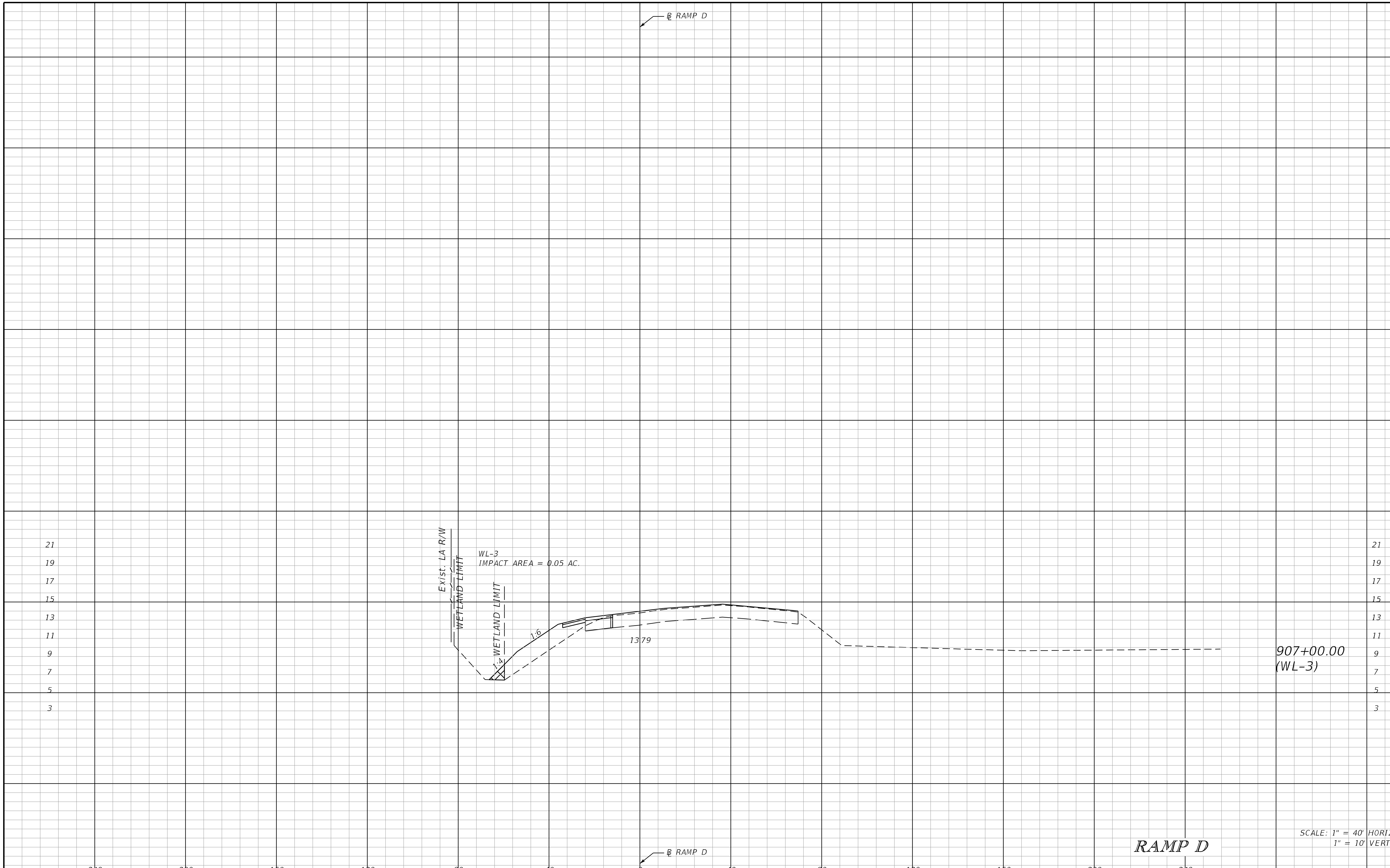
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-52-01

WETLAND IMPACTS CROSS SECTIONS

SHEET NO. 32



REVISIONS			
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-52-01

WETLAND IMPACTS CROSS SECTIONS

SHEET NO. 33

THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS PROVIDED TO ASSIST THE CONTRACTOR IN DEVELOPING THE REQUIRED SITE SPECIFIC EROSION CONTROL PLAN AND OTHER ITEMS NECESSARY TO OBTAIN COVERAGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERIC PERMIT (CGP). REFER TO THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL FOR ADDITIONAL REQUIREMENTS.

1.0 SITE DESCRIPTION:

(1.A.) NATURE OF CONSTRUCTION ACTIVITY:

THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) PROPOSES TO CONSTRUCT A 3X3 LANE DIVERGING DIAMOND INTERCHANGE (DDI) UNDER THE EXISTING I-75 OVERPASS BRIDGES IN COLLIER COUNTY. THE PROJECT EXTENDS A DISTANCE OF 0.5 MILES.

(1.B.) INTENDED SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE CONTRACTOR'S SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN, PREPARE A DETAILED CONSTRUCTION SCHEDULE TO INDICATE DATES OF MAJOR GRADING ACTIVITIES AND SEQUENCES OF TEMPORARY AND PERMANENT SOIL DISTURBING ACTIVITIES ON ALL PORTIONS OF THE PROJECT. FOR ADDITIONAL INFORMATION, REFER TO SECTION 4.7 OF THE NPDES CGP.

LIST OF INTENDED ACTIVITIES:

(1.B.1.) FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS PRIOR TO CLEARING AND GRUBBING OR ANY OTHER CONSTRUCTION ACTIVITIES. REMOVE PERIMITER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED.

(1.B.2.) TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CHANGES OR WEATHER EVENTS.

(1.B.3.) THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION.

(1.B.4.) OFFSITE RUNOFF SHOULD BE DIVERTED AWAY OR THROUGH THE CONSTRUCTION AREA, IF POSSIBLE. THIS ADDITIONAL FLOW, IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO STRUCTURAL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.

(1.C.) PROJECT AREA ESTIMATES:

TOTAL SITE AREA: 40.55 ACRES.
TOTAL AREA TO BE DISTURBED: 24.69 ACRES.

(1.D.) RUNOFF DATA:

RUNOFF COEFFICIENTS BEFORE Cw (B), DURING Cw (D) AND AFTER Cw (A) CONSTRUCTION.

RUNOFF COEFFICIENTS FOR:
GRASSED SHOULDERS ADJACENT TO ROADWAY: C=0.35
IMPERVIOUS ROADWAYS AND PAVED SHOULDER: C=0.95
DISTURBED AREAS, EXPOSED SOIL, ETC., DURING CONSTRUCTION: C=0.40

WEIGHTED RUN-OFF COEFFICIENT:
BEFORE: Cw (B) = 0.60 DURING: Cw (D) = 0.46 AFTER: Cw (A) = 0.64

THE RUN-OFF COEFFICIENT Cw (D), IS CALCULATED ASSUMING THAT THE MAXIMUM ALLOWABLE AREA OF SOIL IS DISTURBED DURING CONSTRUCTION AND THE REMAINING AMOUNT IS THE EXISTING IMPERVIOUS AND GRASSED SHOULDER AREAS.

SOIL DATA:
IN GENERAL, THE SOILS ARE:

SOIL TYPE	HYDROLOGIC GROUP	DEPTH TO SHWE
120 - MALABAR (91.6%)	A/D	0.5'
103 - BOCA-RIVIERA-COPELAND (1.5%)	A/D	0'
113 - HOLOPAW (3.1%)	A/D	0.5'
125 - OLDSMAR (3.8%)	A/D	1.0'

REFERENCE: USDA SOIL SURVEY OF COLLIER COUNTY FLORIDA

OUTFALL INFORMATION:

THERE ARE 11 OUTFALLS.

THE OUTFALLS DISCHARGE INTO THE FOLLOWING BASIN:

BASIN	WBID	PARAMETER(S) OF CONCERN FOR 303(d) LISTING
NORTH GOLDEN GATE	3278S	DISSOLVED OXYGEN

OUTFALL LOCATIONS: (TEMPORARY AND PERMANENT)

	DESCRIPTION	LATITUDE	LONGITUDE	RECEIVING WATERBODY
(a)	1-18" RCP	N 26°12' 41"	W 81°44' 23"	D-2 (I-75 CANAL)
(b)	EXIST. 1-34"x53" CL. IV ERCP	N 26°12' 40"	W 81°44' 17"	D-2 (I-75 CANAL)
(c)	EXIST. 1-34"x53" CL. IV ERCP	N 26°12' 44"	W 81°44' 17"	D-2 (I-75 CANAL)
(d)	1-24" RCP	N 26°12' 40"	W 81°44' 13"	D-2 (I-75 CANAL)
(e)	1-24" RCP	N 26°12' 37"	W 81°44' 14"	D-2 (I-75 CANAL)
(f)	1-18" RCP	N 26°12' 50"	W 81°44' 08"	D-2 (I-75 CANAL)
(g)	2-14"x23" RCP	N 26°12' 36"	W 81°44' 07"	D-2 (I-75 CANAL)
(h)	1-18" RCP	N 26°12' 43"	W 81°44' 03"	D-2 (I-75 CANAL)
(I)	1-24" RCP	N 26°12' 40"	W 81°44' 03"	D-2 (I-75 CANAL)
(J)	1-18" RCP	N 26°12' 43"	W 81°44' 00"	D-2 (I-75 CANAL)
(k)	1-18" RCP	N 26°12' 43"	W 81°44' 58"	D-2 (I-75 CANAL)

THIS FACILITY DOES DISCHARGE TO WATERS LISTED ON THE ADOPTED FDEP VERIFIED LIST OR ADOPTED TMDL FOR IMPAIRMENT DUE TO DISSOLVED OXYGEN.

THIS FACILITY DOES NOT DISCHARGE TO WATERS LISTED ON THE ADOPTED FDEP VERIFIED LIST OR ADOPTED TMDL FOR IMPAIRMENT DUE TO TOTAL SUSPENDED SOLID, TURBIDITY, NUTRIENTS, OR FECAL COLIFORM.

WETLAND AND/OR SURFACE WATER IMPACTS SHALL BE LIMITED TO THE AREAS DESCRIBED IN THE APPROVED PERMITS FOR THE PROJECT.

(1.E.) SITE MAP:

THE SITE MAP SHALL BE COMPRISED OF THE CONSTRUCTION PLANS AND THE CONTRACTOR'S SITE-SPECIFIC EROSION AND SEDIMENT CONTROL PLAN.

(1.F.) STORMWATER MANAGEMENT (EXISTING/PROPOSED)

(1.F.1.) PINE RIDGE ROAD THROUGH THE I-75 INTERCHANGE PRIMARILY DRAINS TO EXISTING LINEAR PONDS LOCATED WEST OF THE INTERCHANGE WITHIN THE LA R/W. UNLESS OTHERWISE APPROVED BY THE PERMITS, THE CONSTRUCTION ACTIVITIES SHALL NOT MODIFY OR AFFECT THE EXISTING OFFSITE FLOW PATTERNS.

(1.F.2.) THE PROPOSED SEDIMENT BASINS, CONTAINMENT SYSTEMS AND/OR STORMWATER MANAGEMENT FACILITIES SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF CONSTRUCTION AND USED DURING CONSTRUCTION OF THE ROADWAY. THE OUTFALL STRUCTURES ARE TO BE PROTECTED WHEN TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS OR PERMANENT STORMWATER MANAGEMENT FACILITIES ARE USED FOR EROSION AND SEDIMENT CONTROL TO PREVENT DOWNSTREAM SEDIMENTATION.

2. CONTROLS:

(2.A.) SEDIMENT AND EROSION CONTROLS

(2.A.1.) PER SECTION 5.4 OF THE NPDES CGP, STABILIZATION SHALL TAKE PLACE AS SOON AS PRACTICAL IN PORTIONS OF THE PROJECT WHERE CONSTRUCTION ACTIVITIES HAVE CEASED, BUT NO LATER THAN 7 DAYS AFTER ANY CONSTRUCTION ACTIVITY CEASES EITHER TEMPORARILY OR PERMANENTLY.

(2.A.2) SEDIMENT BARRIERS SHALL BE USED AROUND THE PERIMETER OF STOCKPILE AREAS.

(2.A.3.) STRUCTURAL PRACTICES

IN THE CONTRACTOR'S SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN, DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES MAY INCLUDE THE FOLLOWING, AS APPROVED BY THE ENGINEER:

TEMPORARY DEVICES:

* SILT FENCE

* SOIL TRACKING PREVENTION DEVICES AT CONSTRUCTION ENTRANCES/EXITS

* INLET PROTECTION SYSTEMS INCLUDING SYNTHETIC BALES AND SANDBAGS

* SEDIMENT BASIN/CONTAINMENT SYSTEMS

PERMANENT:

* SOD (MAY ALSO BE USED FOR TEMPORARY CONTROLS)

(2.B.) WATER QUALITY MONITORING

(2.B.1.) WATER QUALITY MONITORING SHALL BE CONDUCTED IN ACCORDANCE WITH THE SPECIAL CONDITIONS OF ANY ENVIRONMENTAL PERMIT, OR BY THE CONTRACTOR UPON THE OBSERVATION THAT WATER QUALITY STANDARDS MAY BE VIOLATED BY THE CONTRACTOR'S ACTIVITIES. MONITORING LOCATIONS MAY BE SPECIFIED IN THE ENVIRONMENTAL PERMIT OR MAY BE DESIGNATED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

(2.B.2.) THE ENGINEER WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (NO GREATER THAN 29 NEPHELOMETRIC TURBIDITY UNITS (NTUs) ABOVE BACKGROUND OR GREATER THAN 0 NTUs ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OUTSTANDING FLORIDA WATERS (OFWs)).

(2.B.3.) IF WATER QUALITY STANDARDS ARE VIOLATED, CONSTRUCTION SHALL BE STOPPED IMMEDIATELY. THE ENVIROMENTAL PERMIT CONDITIONS FOLLOWED AND EROSION AND SEDIMENT CONTROL DEVICES REEVALUATED AND APPROVED BY THE ENGINEER PRIOR TO ANY CONTINUATION OF ACTIVITY. MONITORING ACTIVITIES AND TURBIDITY READINGS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION REPORT AND CONTINUED UNTIL TURBIDITY READINGS FALL BELOW AN ACCEPTABLE LEVEL (LESS THAN 29 NTUs ABOVE BACKGROUND OR LESS THAN 0 NTUs ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFWs).

(2.B.4.) WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.

(2.C.) DEWATERING CONTROLS

THE SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN SHALL INCLUDE A DESCRIPTION OF THE BMPs THAT WILL BE USED TO ENSURE THAT DISCHARGES OF NONCONTAMINATED GROUND WATER FROM DEWATERING OPERATIONS DO NOT CAUSE OR CONTRIBUTE TO VIOLATIONS OF STATE WATER QUALITY STANDARDS.

(2.D.) OTHER CONTROLS

(2.D.1.) THE SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN SHALL IDENTIFY CHEMICAL AND FUEL STORAGE AREAS, MEANS OF MINIMIZING EXPOSURE TO STORMWATER, AND SPILL PREVENTION.

(2.D.2.) OFFSITE VEHICLE TRACKING & GENERATION OF DUST

IN THE SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN, DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

(2.D.2.a.) LOADED HAUL TRUCKS ARE TO BE COVERED BY A TARPAULIN.

(2.D.2.b.) REMOVING EXCESS DIRT FROM ROADS DAILY.

(2.D.2.c.) USING WATER TRUCKS DURING DUST-GENERATING ACTIVITIES.

(2.D.2.d.) SEDIMENT CONTROL MAY BE ACCOMPLISHED BY USING STREET OR VACUUM SWEEPERS.

3. MAINTENANCE

MAINTAIN AND REPAIR ALL EROSION AND SEDIMENT CONTROL DEVICES AND REMOVE EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED. REMOVE AND PROPERLY DISPOSE OF SEDIMENT BUILDUP THROUGH THE LIFE OF THE INSTALLED EROSION AND SEDIMENT CONTROL DEVICES.

(3.A.) IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF NOTICE.

(3.B.) SEDIMENT BARRIERS SHALL BE REPLACED WHEN IT IS NO LONGER EFFECTIVE OR AS DIRECTED BY THE ENGINEER.

(3.C.) STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

(3.D.) REMOVE SEDIMENT FROM SEDIMENT BASINS WHEN IT BECOMES MORE THAN HALF THE AVAILABLE VOLUME.

4. INSPECTION, TRACKING, AND REPORTING

INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD RAINFALL.

(4.A.) SUBMIT A WEEKLY REPORT TO THE DEPARTMENT DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE EROSION AND SEDIMENT CONTROL DEVICES. MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS.

(4.B.) PREPARATION OF ALL THE CONTRACTOR'S REPORTS OF INSPECTION, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION, SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION AND SEDIMENT CONTROL DEVICES.

(4.C.) USE THE SWPPP CONSTRUCTION INSPECTION REPORT FORM # 650-040-03, FOR DAILY INSPECTIONS.

5. NON-STORMWATER DISCHARGES

THE SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES AND DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION. THE PLAN SHALL INCLUDE PROCEDURES FOR SPILL CONTAINMENT, REPORTING AND RESPONSES. THE PLAN SHALL SPECIFY WHAT MANAGEMENT PRACTICES AND CONTAINMENT METHODS WILL BE USED TO PREVENT POTENTIAL POLLUTANTS (FUEL, LUBRICANTS, HERBICIDES, ETC.) FROM SPILLING ONTO THE SOIL OR INTO THE SURFACE WATERS. IF A SPILL DOES OCCUR OR IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE DISTRICT CONTAMINATION IMPACT COORDINATOR AT 863-519-2300 AND THE ENGINEER. IF A RELEASE CONTAINING HAZARDOUS SUBSTANCES OCCURS, CONTACT THE FLORIDA STATE WATCH OFFICE AT 800-320-0519 OR 850-413-9911 PER SECTION 9.2 OF THE CGP.

TTCP GENERAL NOTES:

1. THE EXISTING POSTED REGULATORY SPEED ON I-75 AND ON PINE RIDGE ROAD SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.

2. LANE CLOSURES:
   NO LANE CLOSURES ON I-75 ARE PERMITTED FROM 7:00 AM TO 8:00 PM (ONE LANE).
   NO LANE CLOSURES ON I-75 ARE PERMITTED FROM 6:00 AM TO 11:00 PM (TWO LANES).
   NO RAMP CLOSURES FROM 5:00 AM TO 11:00 PM.
   NO LANE CLOSURES FOR INACTIVE WORK AREAS.
   NO LANE CLOSURES ON PINE RIDGE RD. FROM 7:00 AM TO 8:00 PM

TTCP PHASING NOTES:

PHASE 1: THE INTENT OF PHASE 1 IS TO:
MILL, RESURFACE AND OVERBUILD PINE RIDGE ROAD (BOTH DIRECTIONS) AND ALL RAMPS
CONSTRUCT PROPOSED RECONSTRUCTION AND OUTSIDE WIDENING ALONG NORTH SIDE OF PINE RIDGE ROAD
CONSTRUCT PROPOSED RAMPS C, C1, D AND D1
CONSTRUCT PROPOSED DRAINAGE SYSTEMS ALONG NORTH SIDE
CONSTRUCT PROPOSED SIGNAL OTHER ROADWAY COMPONENTS ALONG NORTH SIDE

- INSTALL ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES.
- REMOVE EXISTING CURB AND GUTTER ALONG NORTH SIDE AND CONSTRUCT TEMPORARY PAVEMENT UTILIZING NIGHT TIME LANE CLOSURES AND STANDARD PLANS INDEXES 102-612 AND 102-613.
- REMOVE EXISTING C & G AND TRAFFIC SEPARATOR ALONG THE MEDIAN OF PINE RIDGE RD. AND CONSTRUCT TEMPORARY PAVEMENT AND PROPOSED INSIDE WIDENING UTILIZING NIGHT TIME LANE CLOSURES AND INDEX 102-613.
- MILL, RESURFACE AND OVERBUILD PINE RIDGE RD AND RAMPS AS SPECIFIED IN THE ROADWAY PLANS.
- MAINTAIN EXISTING EB AND WB TRAFFIC PATTERNS UNDERNEATH I-75.
- INSTALL TEMPORARY SIGNALS AT THE INTERSECTIONS BETWEEN RAMPS AND PINE RIDGE RD.
- INSTALL TEMPORARY BARRIER AND TEMPORARY PAVEMENT MARKINGS AND SHIFT TRAFFIC.
- CONSTRUCT PROPOSED RECONSTRUCTION AND OUTSIDE WIDENING ALONG NORTH SIDE.
- CONSTRUCT PROPOSED RAMP C, C1, D AND D1 PAVEMENT (CURB AND GUTTER AT RAMP C AND RAMP D ISLANDS ARE TO BE CONSTRUCTED IN THE LATER PHASE).
- CONSTRUCT PROPOSED DRAINAGE SYSTEMS ALONG NORTH SIDE.
- CONSTRUCT PROPOSED SIGNALS AND OTHER ELECTRICAL COMPONENTS WITHIN THE WORK ZONE LIMITS.

PHASE 2: THE INTENT OF PHASE 2 IS TO:
CONSTRUCT PROPOSED RECONSTRUCTION AND OUTSIDE WIDENING ALONG SOUTH SIDE OF PINE RIDGE ROAD
CONSTRUCT PROPOSED RAMPS A, A1, B AND B1
CONSTRUCT PROPOSED DRAINAGE SYSTEMS ALONG SOUTH SIDE
CONSTRUCT PROPOSED CURB AND GUTTER
COMPLETE CONSTRUCTION OF PROPOSED SIGNALS

- INSTALL/ADJUST ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES.
- INSTALL/ADJUST TEMPORARY SIGNALS AT THE INTERSECTIONS.
- INSTALL TEMPORARY BARRIER AND TEMPORARY PAVEMENT MARKINGS ON WB AND EB AND SHIFT TRAFFIC.
- CONSTRUCT PROPOSED RECONSTRUCTION AND OUTSIDE WIDENING ALONG SOUTH SIDE.
- CONSTRUCT PROPOSED RAMP A, A1, B AND B1 PAVEMENT (CURB AND GUTTER AT RAMP A, A1, B AND B1 ISLANDS ARE NOT TO BE CONSTRUCTED IN THIS PHASE).
- CONSTRUCT PROPOSED DRAINAGE SYSTEMS ALONG SOUTH SIDE
- CONSTRUCT PROPOSED SIGNALS AND OTHER ELECTRICAL COMPONENTS WITHIN THE WORK ZONE LIMITS.

PHASE 3: THE INTENT OF PHASE 3 IS TO:
COMPLETE CONSTRUCTION OF PINE RIDGE ROAD AND RAMPS
CONSTRUCT PROPOSED CURB AND GUTTER ALONG THE MEDIAN AND AT THE RAMP ISLANDS
CONSTRUCT PROPOSED MEDIAN BARRIER
COMPLETE CONSTRUCTION OF ALL PROPOSED DRAINAGE, SIGNALS AND SIGNAGE
INSTALL FRICTION COURSE AND FINAL PAVEMENT MARKINGS

- INSTALL/ADJUST TRAFFIC CONTROL DEVICES
- COMPLETE INSTALLATIONS OF THE PROPOSED SIGNALS AND SIGNAGE.
- INSTALL TEMPORARY PAVEMENT MARKINGS IN FINAL CONFIGURATION WITH REDUCED LANE WIDTHS (THE DDI CONFIGURATION TO BE IMPLEMENTED OVER THE WEEKEND WITH PINE RIDGE ROAD AND RAMPS CLOSURES).
- CONSTRUCT PROPOSED CURB AND GUTTER ALONG THE MEDIAN AND AT THE DDI CROSS OVERS AND ISLANDS.
- COMPLETE CONSTRUCTION OF ALL PROPOSED DRAINAGE AND OTHER PROPOSED ROADWAY COMPONENTS.
- INSTALL FRICTION COURSE AND FINAL PAVEMENT MARKINGS ON PINE RIDGE RD. AND RAMPS.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

TUYEN DINH NGUYEN, P.E.
P.E. LICENSE NUMBER 62187
HDR Engineering, Inc.
2601 Cattlemen Road, Suite 400
Sarasota, FL 34232

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

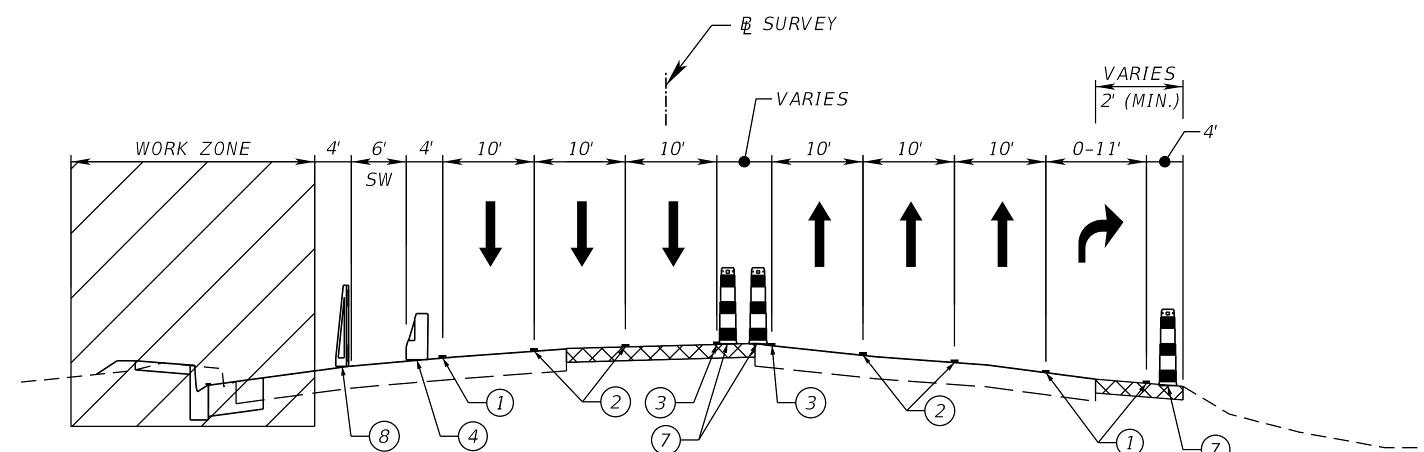
TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO. 36

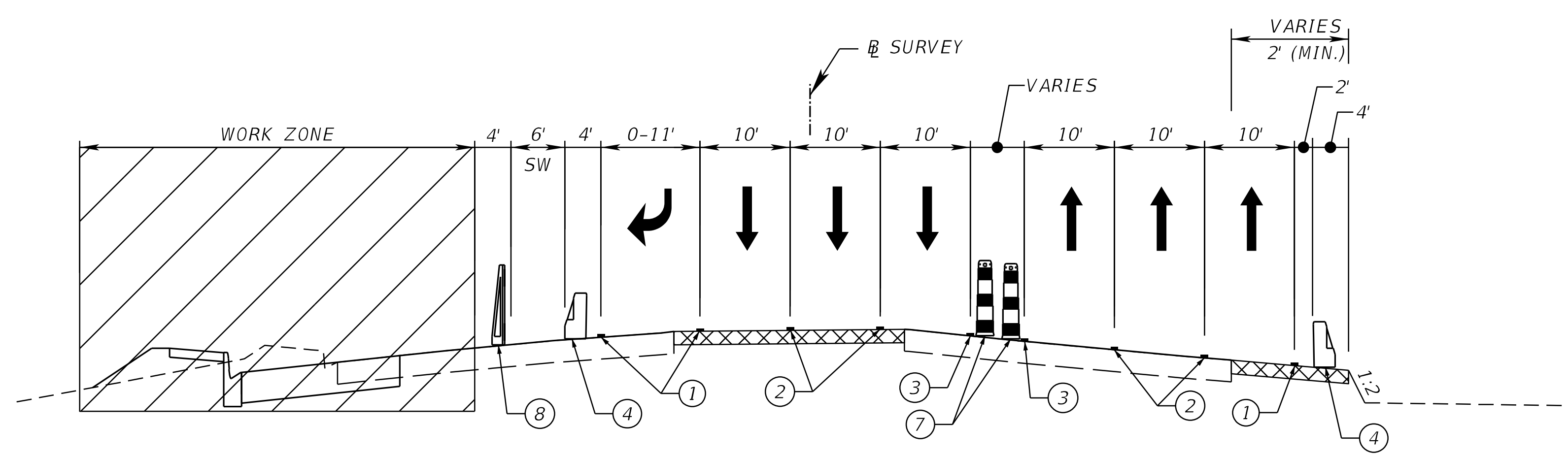
LEGEND
1. 6" WHITE
2. 6" WHITE 10'-30' SKIP WITH W/R RPMs 40' OC
3. 6" YELLOW
4. LOW PROFILE BARRIER
5. TEMPORARY BARRIER (ANCHORED)
6. TEMPORARY BARRIER (FREE-STANDING)
7. CHANNELIZING DEVICE
8. PEDESTRIAN LCD

TEMPORARY PAVEMENT
TEMPORARY PAVEMENT FROM PREVIOUS PHASE

PHASE 1 - MILL, RESURFACE AND OVERBUILD
STA. 125+83 TO STA. 148+32 (LT.)
STA. 122+03 TO STA. 145+61 (RT.)



TYPICAL SECTION
PHASE 1
PINE RIDGE RD.
STA. 125+83 TO STA. 134+92 (LT.)
STA. 122+03 TO STA. 134+20 (RT.)



TYPICAL SECTION
PHASE 1
PINE RIDGE RD.
STA. 137+17 TO STA. 148+32 (LT.)
STA. 137+50 TO STA. 145+61 (RT.)

PHASE 1

REVISIONS			
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STATE OF FLORIDA
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CR 896	COLLIER	445296-1-22-01

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO. 37

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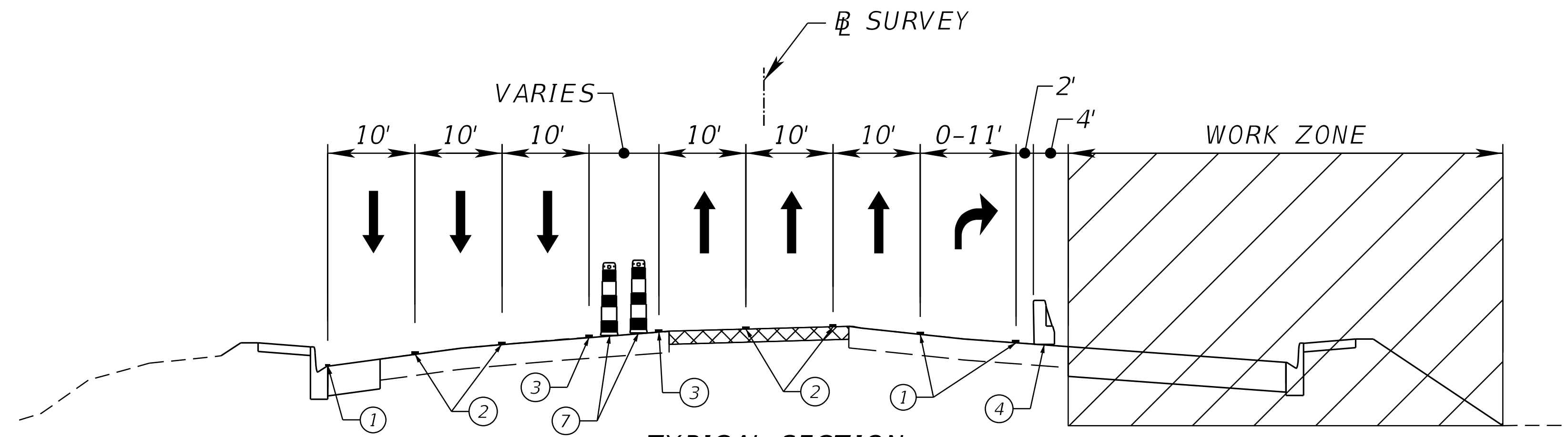
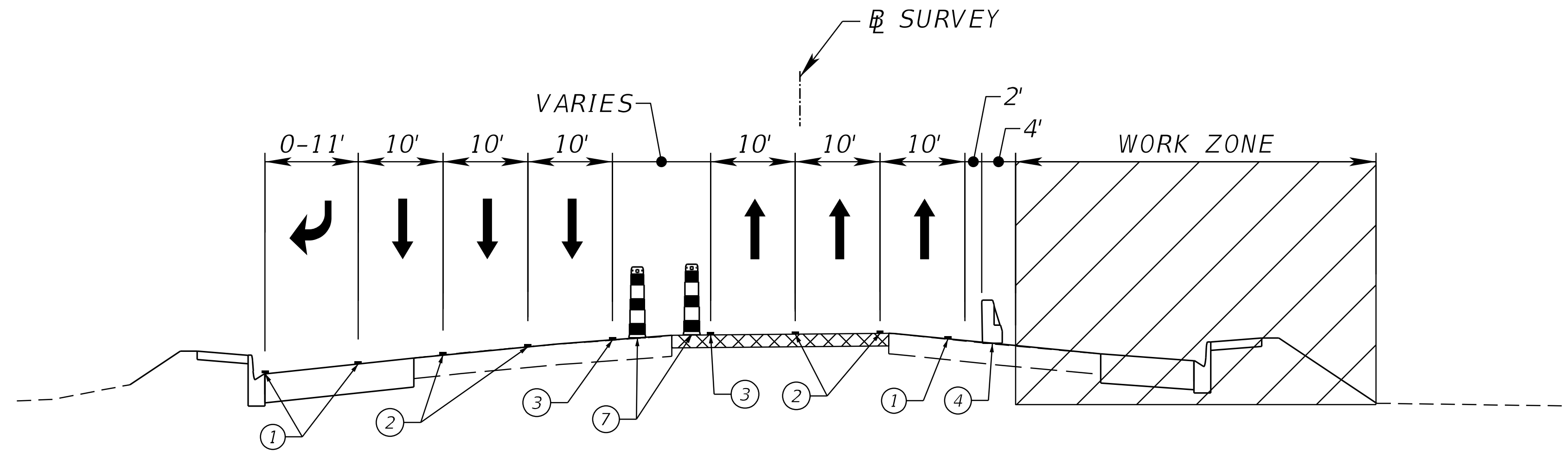
LEGEND
1. 6" WHITE
2. 6" WHITE 10'-30' SKIP WITH W/R RPMs 40' OC
3. 6" YELLOW
4. LOW PROFILE BARRIER
5. TEMPORARY BARRIER (ANCHORED)
6. TEMPORARY BARRIER (FREE-STANDING)
7. CHANNELIZING DEVICE
8. PEDESTRIAN LCD

TEMPORARY PAVEMENT
TEMPORARY PAVEMENT FROM PREVIOUS PHASE



TYPICAL SECTION
PHASE 2
PINE RIDGE RD.
STA. 125+83 TO STA. 134+92 (LT.)
STA. 122+03 TO STA. 134+89 (RT.)



TYPICAL SECTION
PHASE 2
PINE RIDGE RD.
STA. 137+17 TO STA. 148+32 (LT.)
STA. 137+17 TO STA. 145+61 (RT.)

PHASE 2

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO. 38

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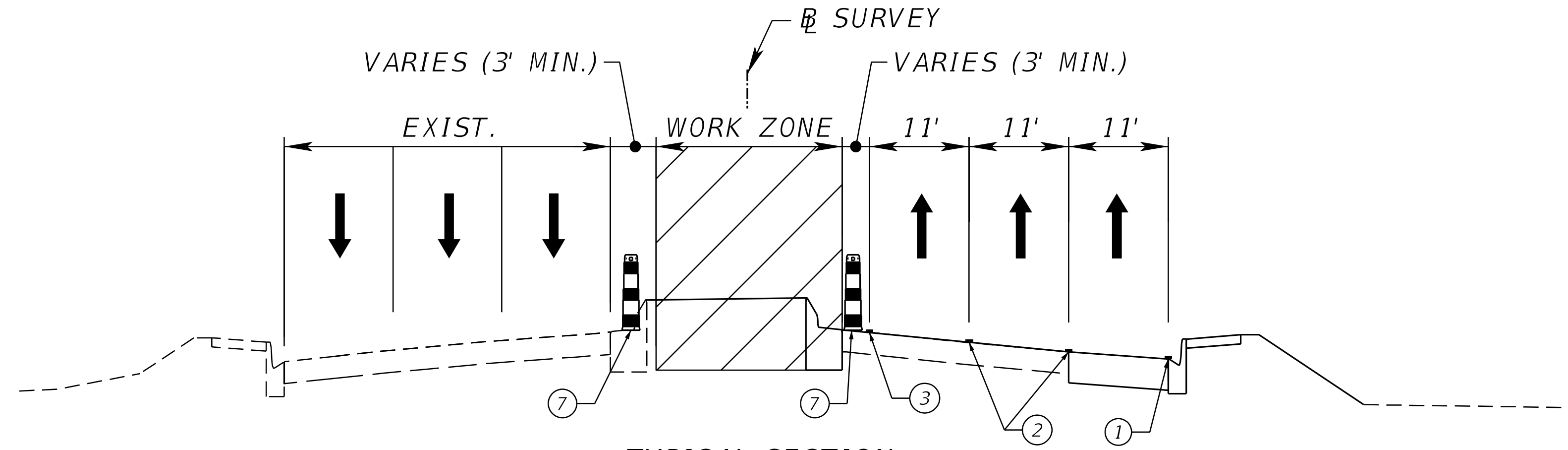
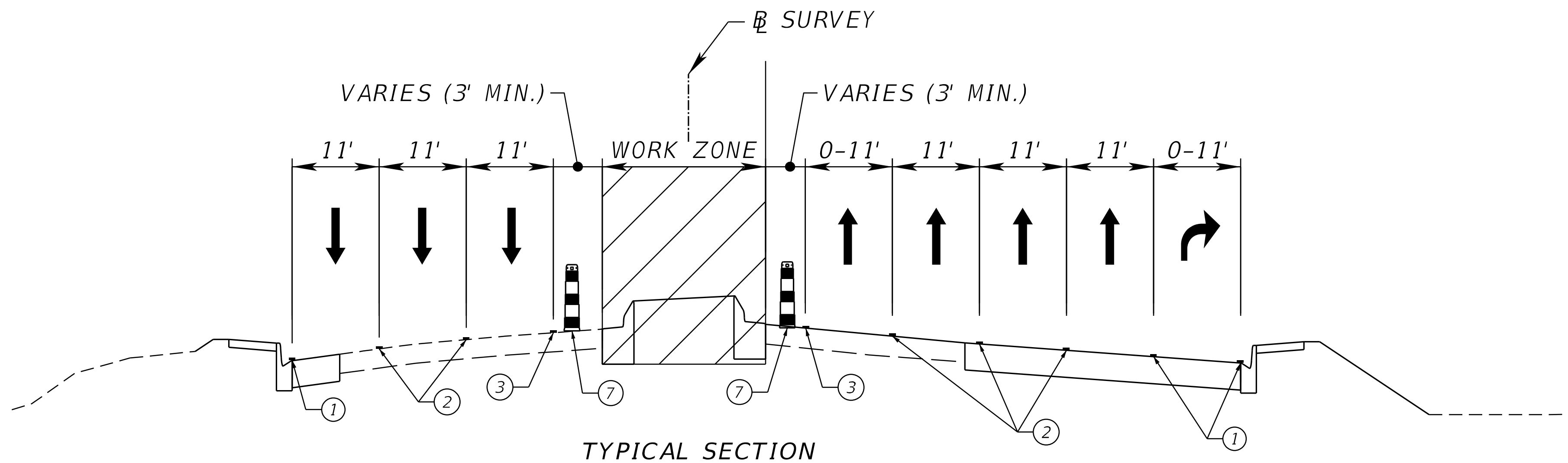
LEGEND

1. 6" WHITE
2. 6" WHITE 10'-30' SKIP WITH W/R RPMs 40' OC
3. 6" YELLOW
4. LOW PROFILE BARRIER
5. TEMPORARY BARRIER (ANCHORED)
6. TEMPORARY BARRIER (FREE-STANDING)
7. CHANNELIZING DEVICE
8. PEDESTRIAN LCD

- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT FROM PREVIOUS PHASE



TYPICAL SECTION
PHASE 3
PINE RIDGE RD.
STA. 122+03 TO STA. 125+60



TYPICAL SECTION
PHASE 3
PINE RIDGE RD.
STA. 125+83 TO STA. 130+60

PHASE 3

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

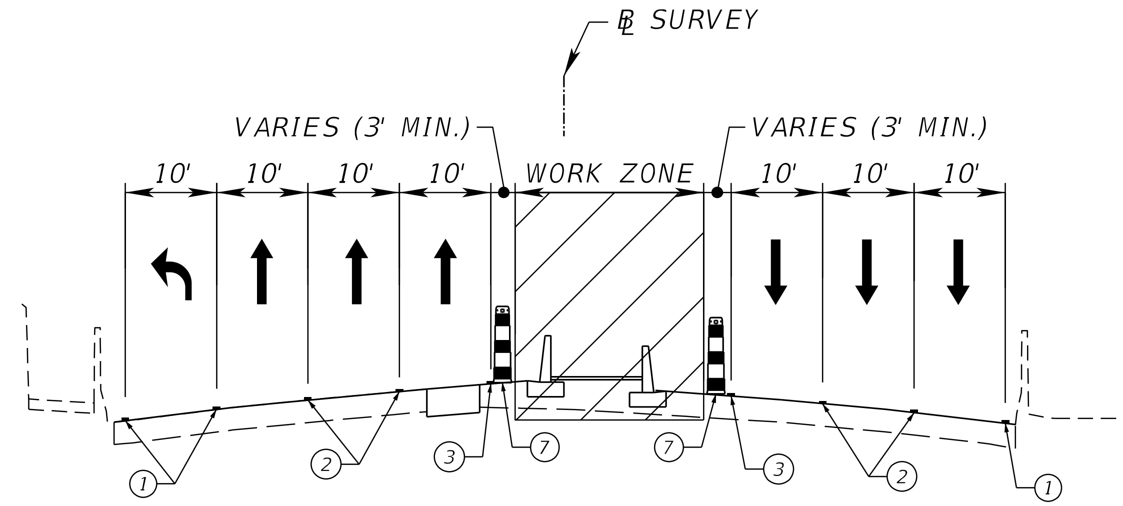
TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO. 39

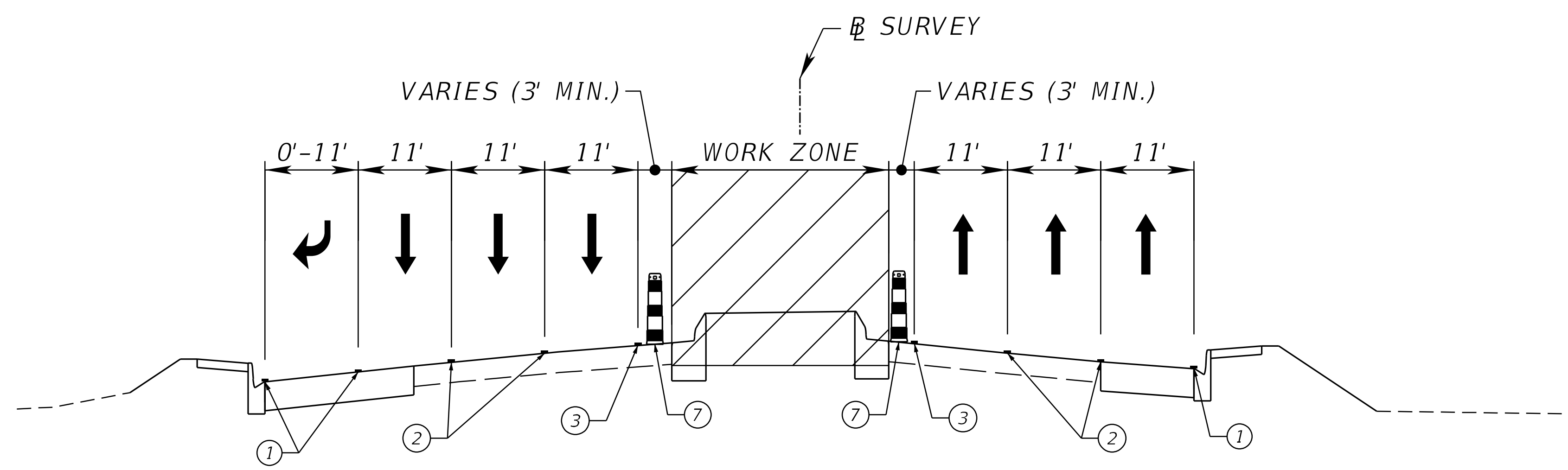
LEGEND

1. 6" WHITE
2. 6" WHITE 10'-30' SKIP WITH W/R RPMs 40' OC
3. 6" YELLOW
4. LOW PROFILE BARRIER
5. TEMPORARY BARRIER (ANCHORED)
6. TEMPORARY BARRIER (FREE-STANDING)
7. CHANNELIZING DEVICE
8. PEDESTRIAN LCD

TEMPORARY PAVEMENT
TEMPORARY PAVEMENT FROM PREVIOUS PHASE



TYPICAL SECTION
PHASE 3
PINE RIDGE RD.
STA. 131+60 TO STA. 141+40 (DDI CORE)



TYPICAL SECTION
PHASE 3
PINE RIDGE RD.
STA. 141+40 TO STA. 148+32 (LT.)
STA. 141+40 TO STA. 145+61 (RT.)

PHASE 3

REVISIONS			
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CR 896	COLLIER	445296-1-22-01

TEMPORARY TRAFFIC CONTROL PLAN

SHEET NO.
40

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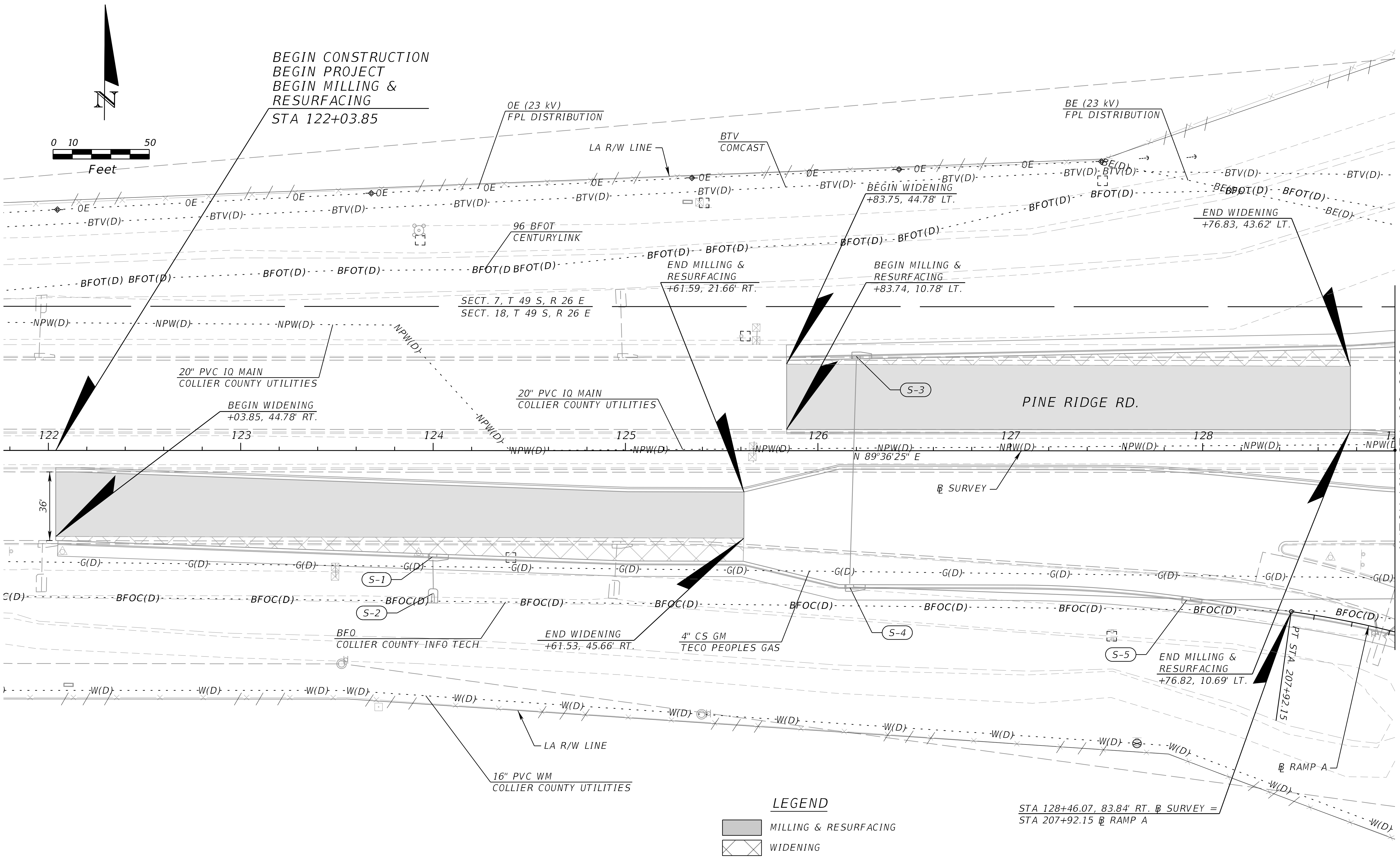

REVISIONS									
DATE	DESCRIPTION	DATE	DESCRIPTION	DONALD R. HOLCOMB, P.E. P.E. LICENSE NUMBER 51970 HDR Engineering, Inc. 2601 Cattlemen Road, Suite 400 Sarasota, FL 34232	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UTILITY ADJUSTMENTS (1)	SHEET NO.
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 896	COLLIER	445296-1-22-01		41

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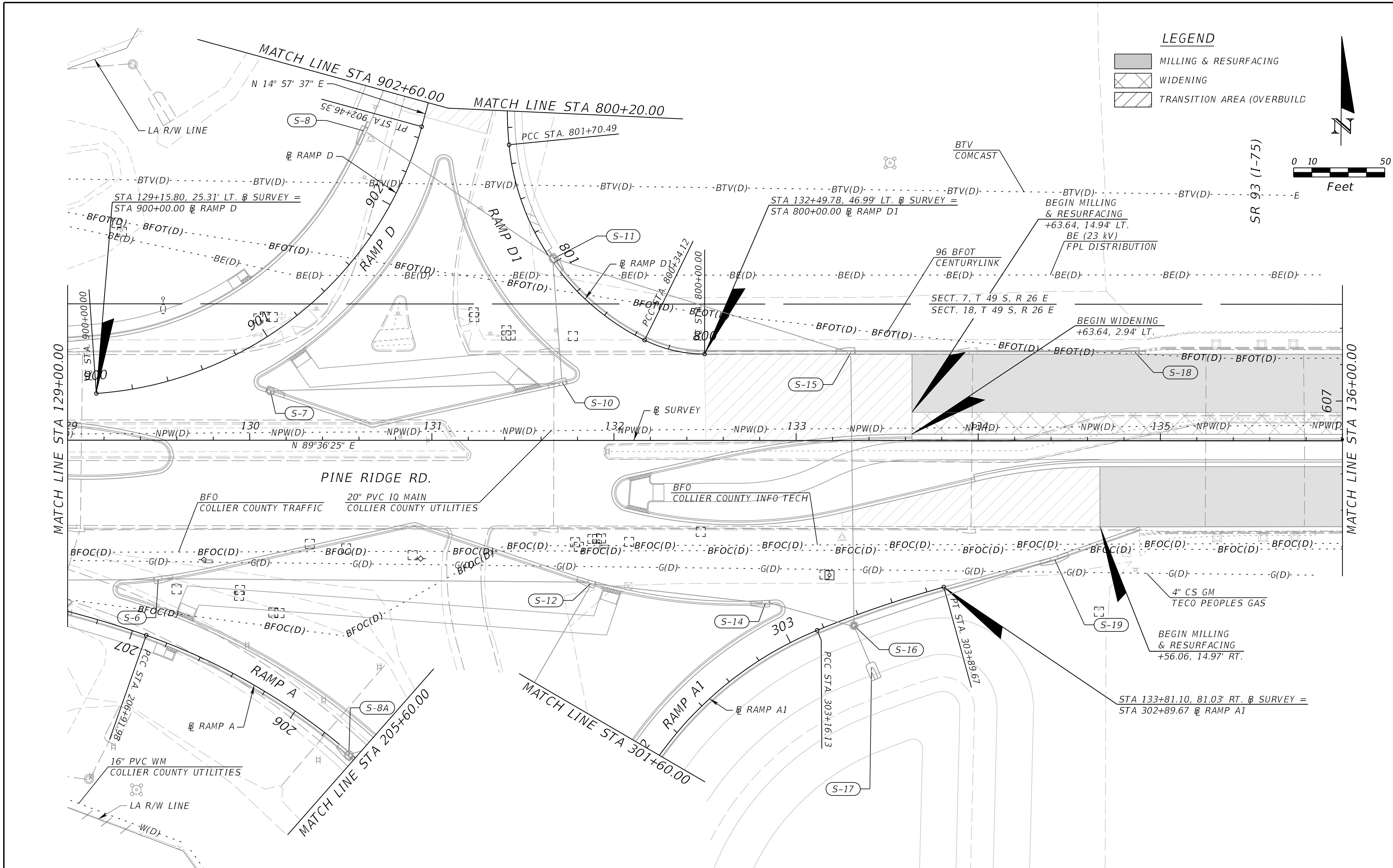

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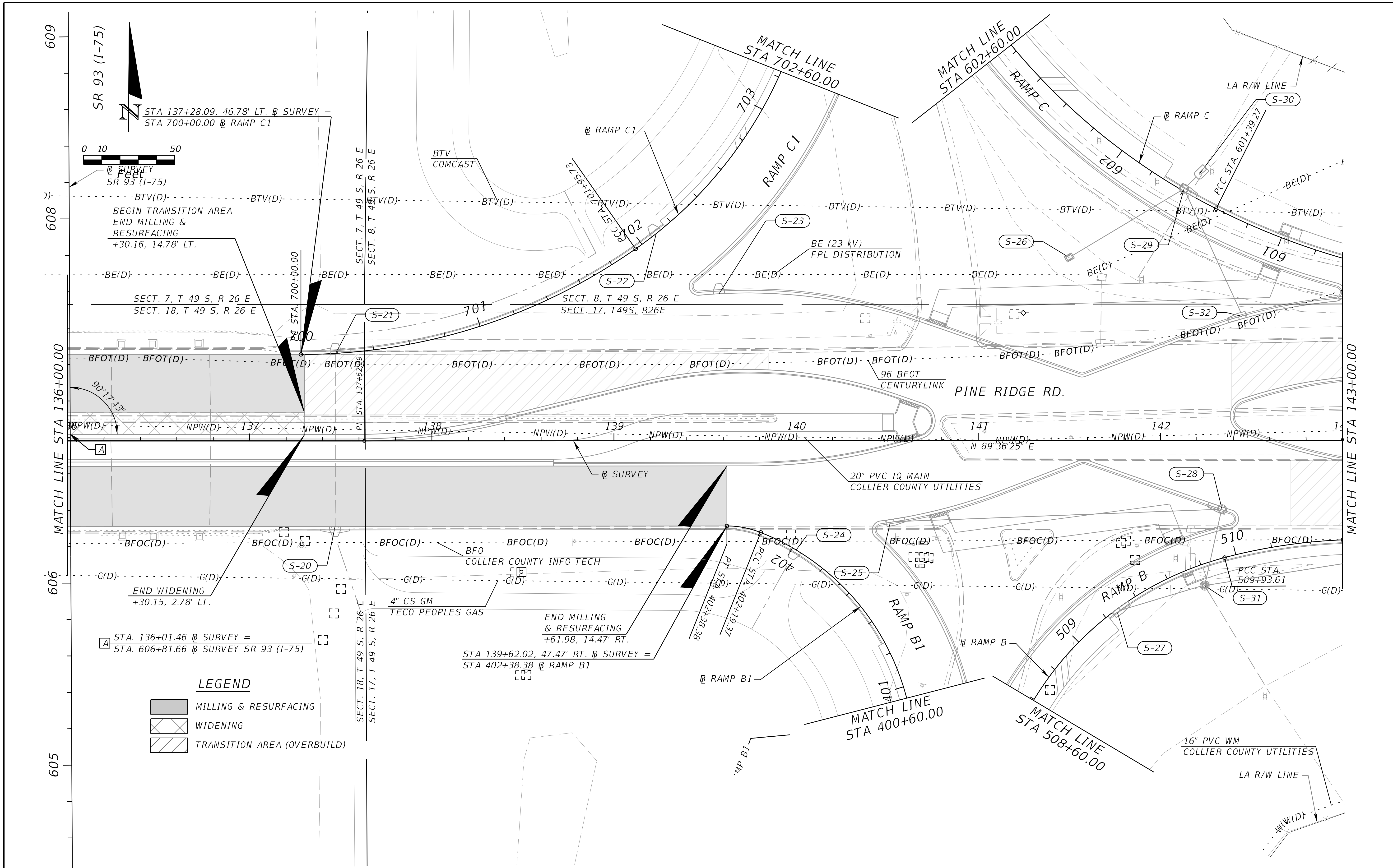
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

UTILITY ADJUSTMENTS (2)

SHEET NO. 42



REVISIONS			
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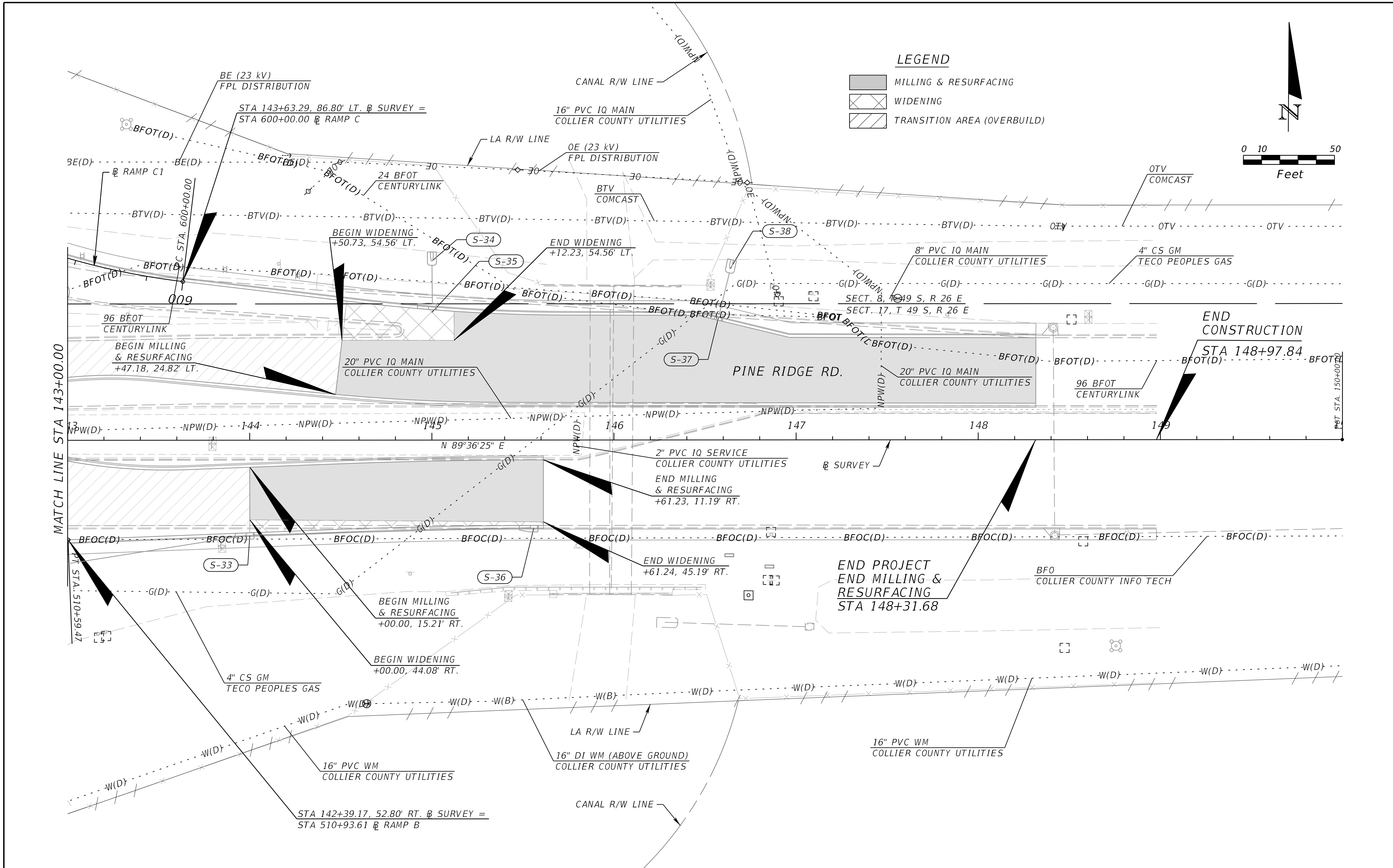
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

UTILITY ADJUSTMENTS (3)

SHEET NO. 43



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REVISIONS			
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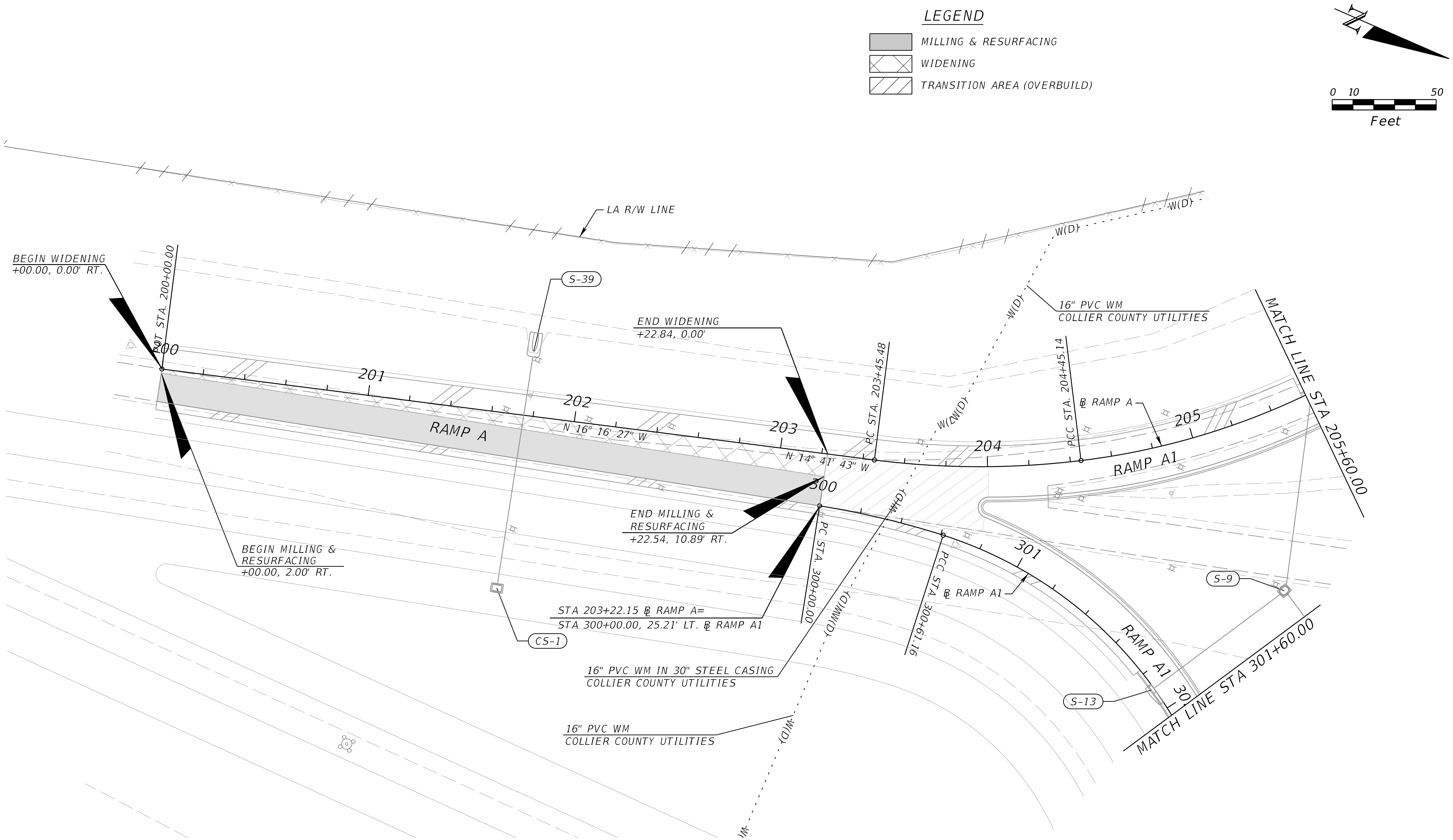
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

UTILITY ADJUSTMENTS (4)

SHEET NO.
44



REVISIONS			
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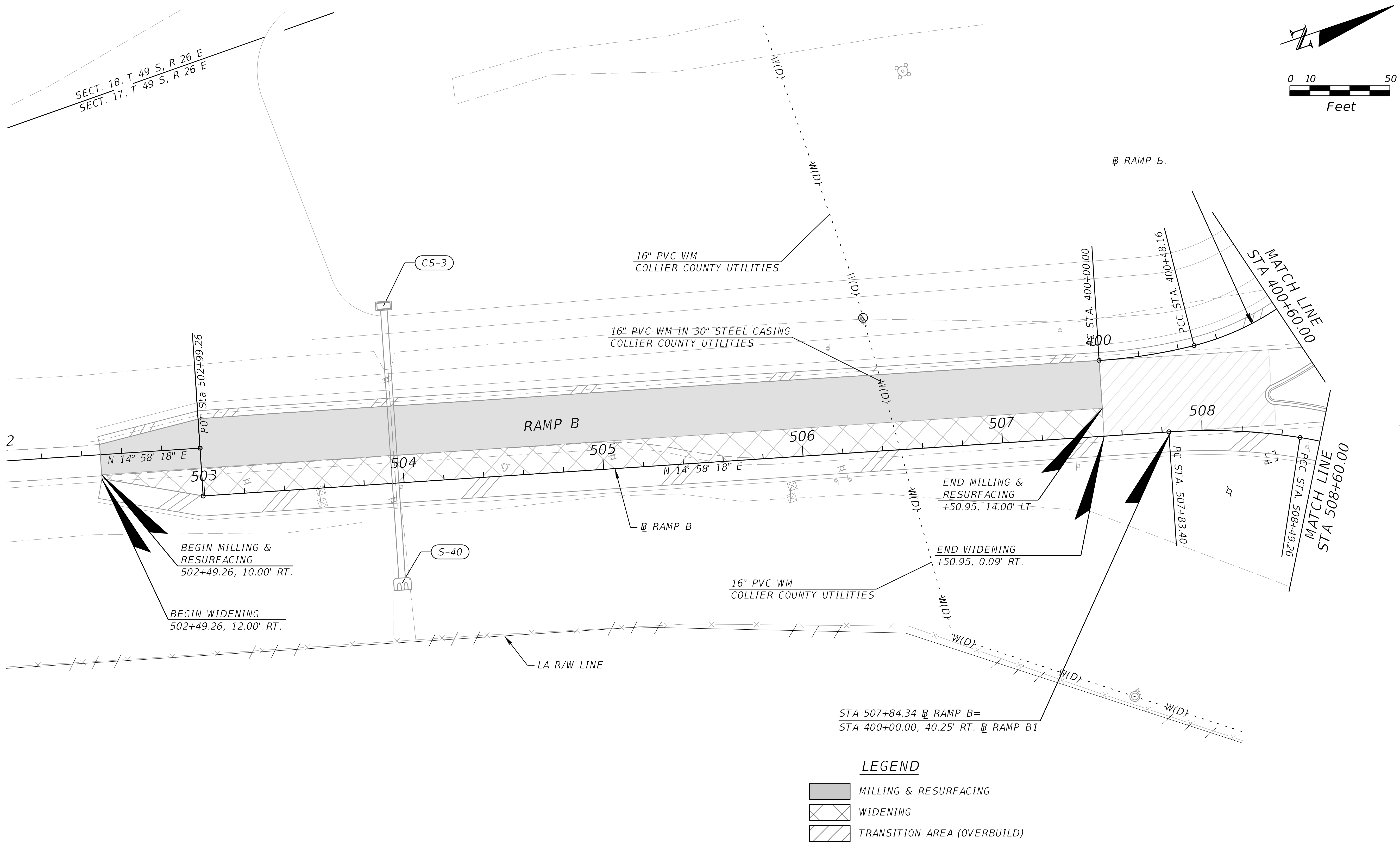
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

UTILITY ADJUSTMENTS (5)

SHEET NO.
45



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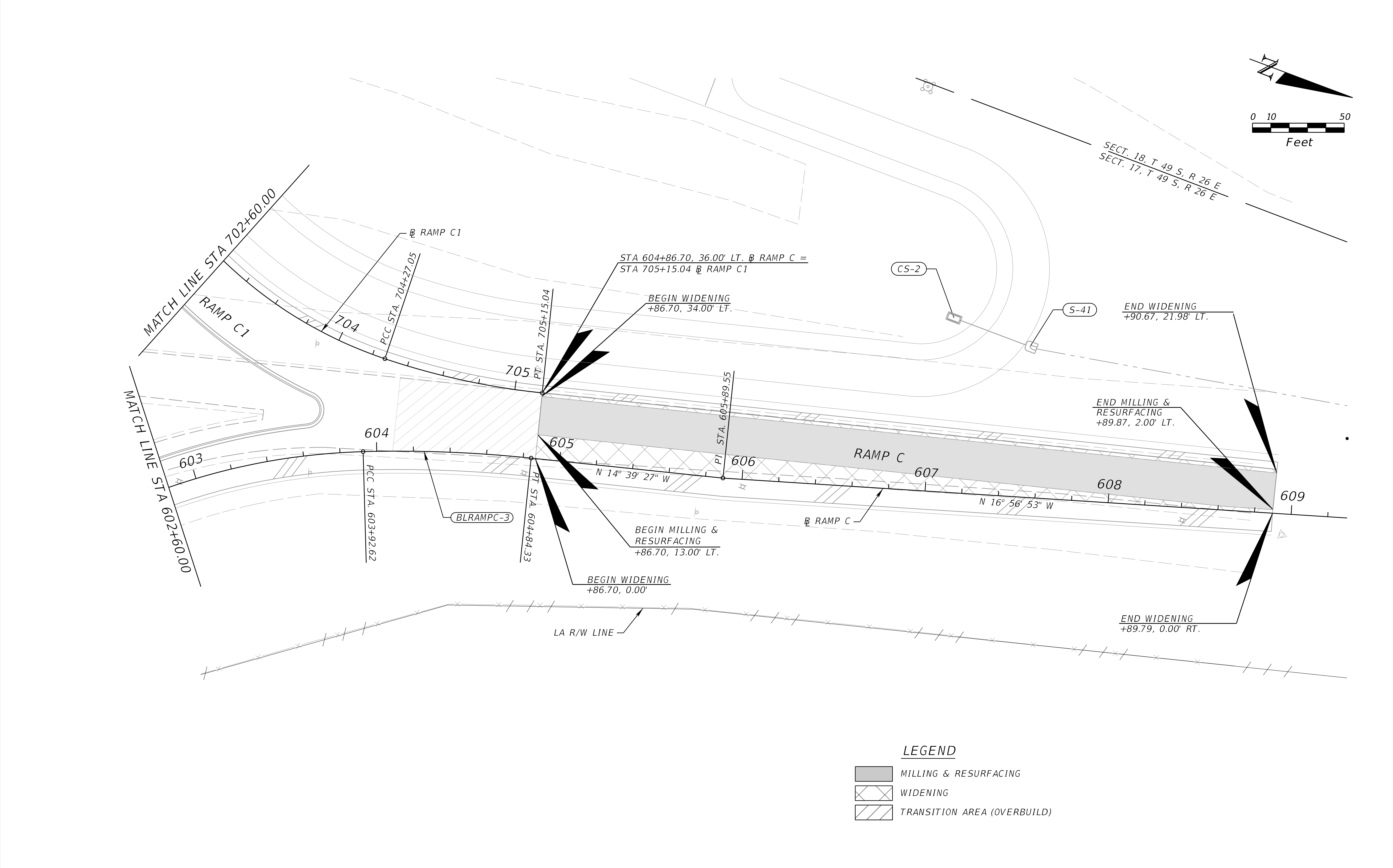
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

UTILITY ADJUSTMENTS (6)

SHEET NO.
46



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REVISIONS			
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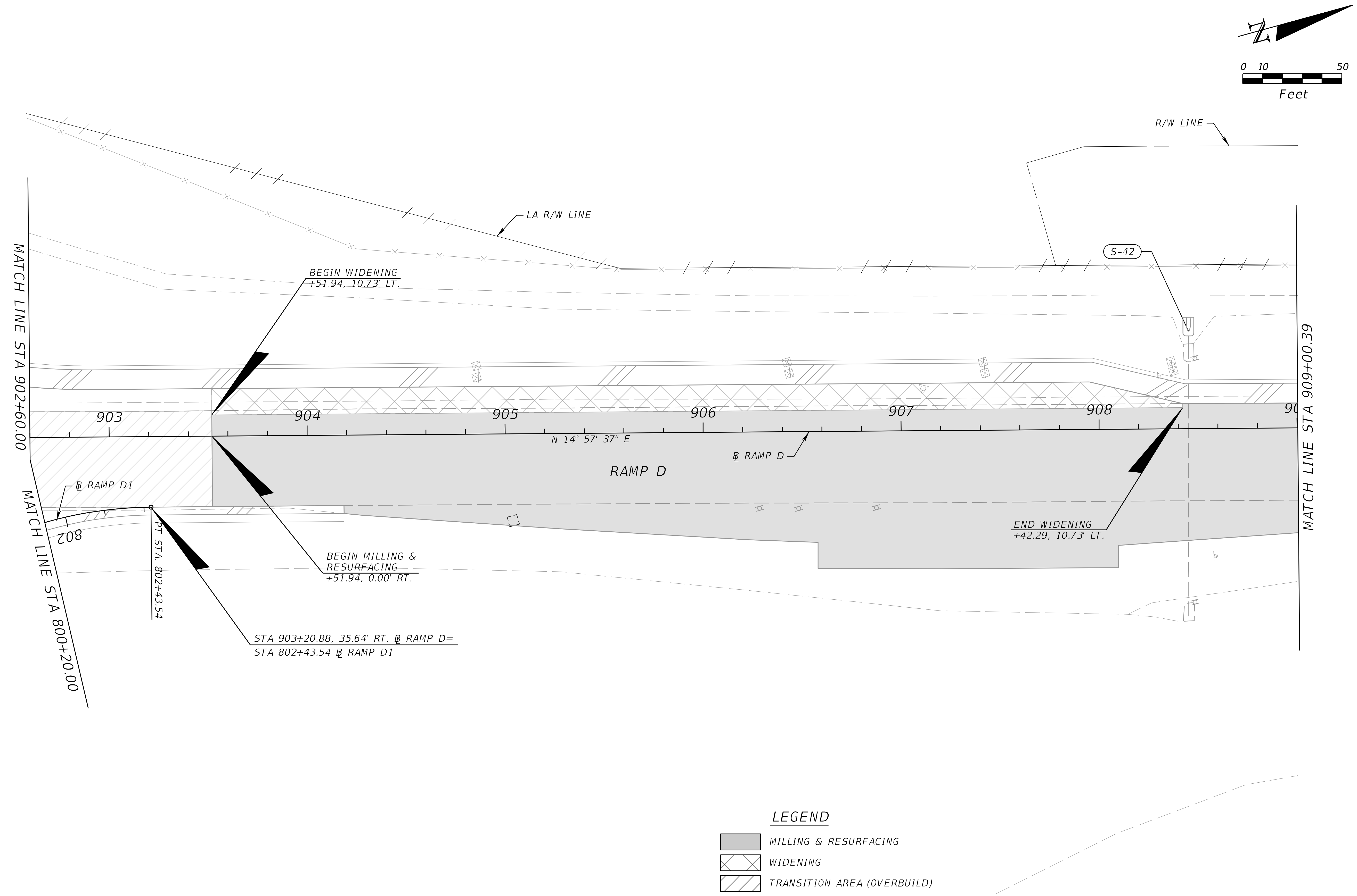
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

UTILITY ADJUSTMENTS (7)

SHEET NO.
47



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REVISIONS			
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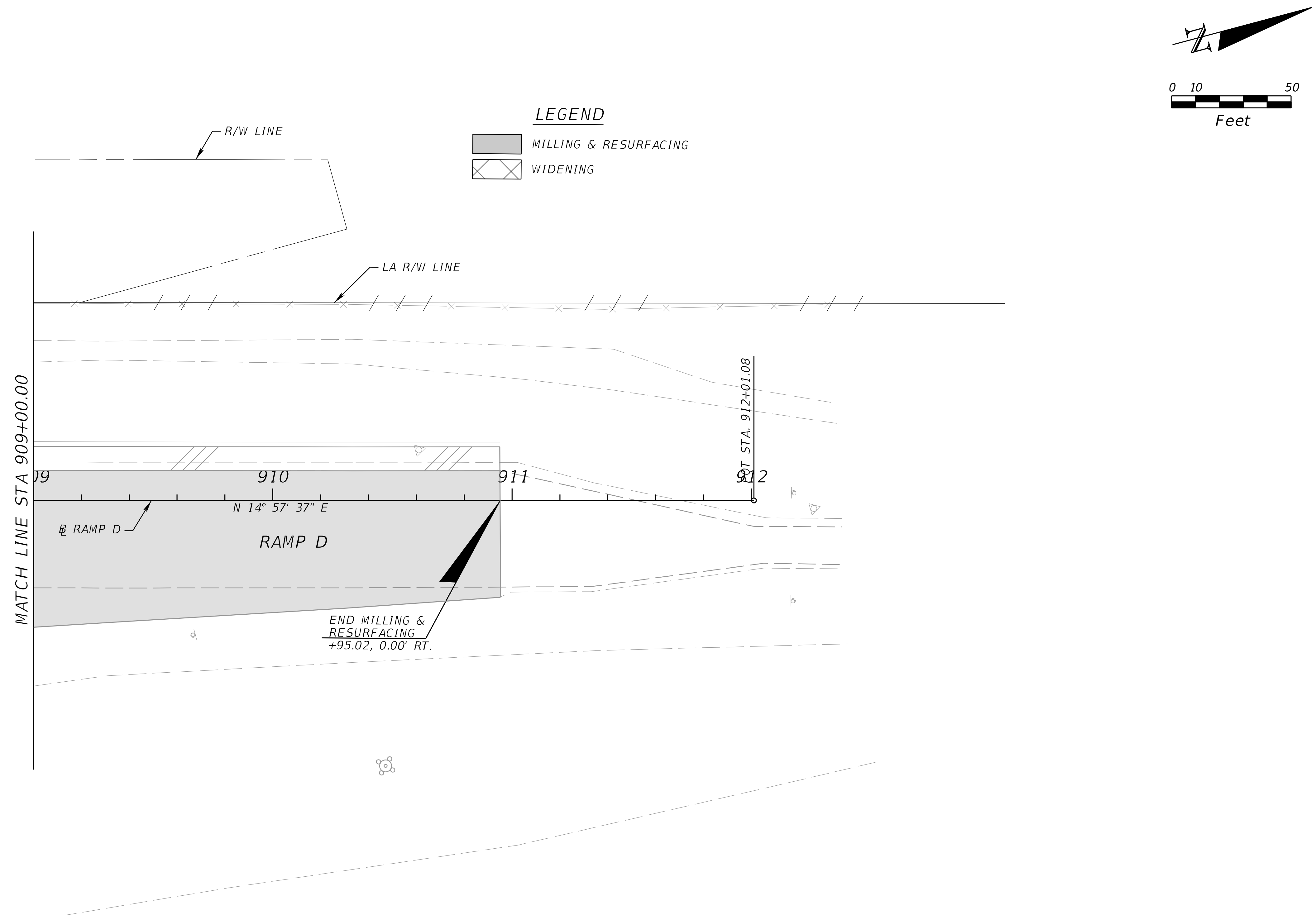
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

UTILITY ADJUSTMENTS (8)

SHEET NO.
48



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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

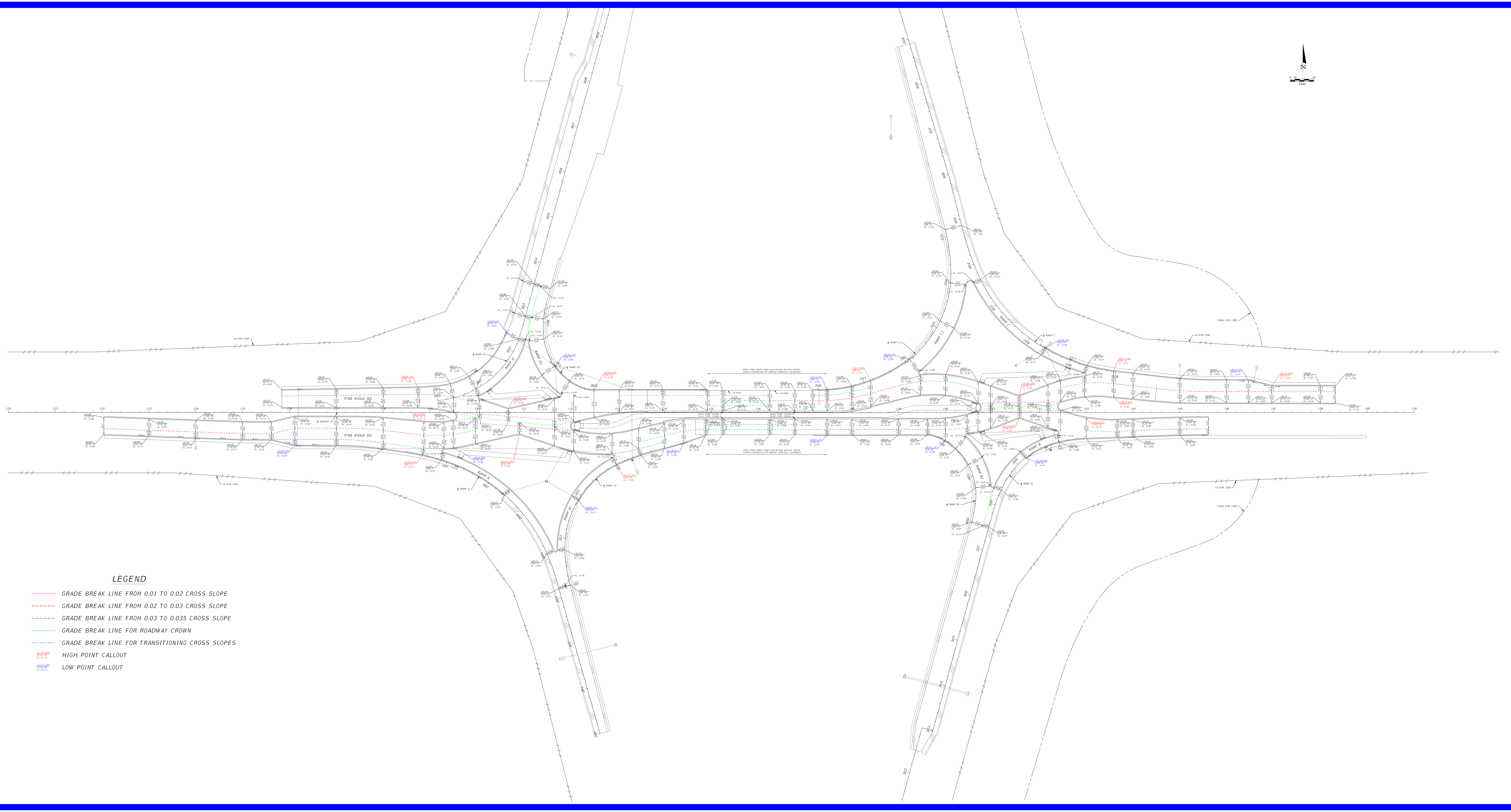
UTILITY ADJUSTMENTS (9)

SHEET NO.
49

PINE RIDGE RD AT SR 93 (I-75) INTERCHANGE
CONCEPT PLANS
FPID: 445296-1-22-01

CONCEPT ROADWAY PLAN
PINE RIDGE RD

SHEET #
ROLL-1



LEGEND

- GRADE BREAK LINE FROM 0.01 TO 0.02 CROSS SLOPE
- GRADE BREAK LINE FROM 0.02 TO 0.03 CROSS SLOPE
- GRADE BREAK LINE FROM 0.03 TO 0.035 CROSS SLOPE
- GRADE BREAK LINE FOR ROADWAY CROWN
- GRADE BREAK LINE FOR TRANSITIONING CROSS SLOPES
- HIGH POINT CALLOUT
- LOW POINT CALLOUT

PINE RIDGE RD AT SR 93 (I-75) INTERCHANGE
CONCEPT PLANS
FPID: 445296-1-22-01

CONCEPT GRADING PLAN
PINE RIDGE RD

SHEET #
ROLL-2

PINE RIDGE RD AT SR 93 (I-75) INTERCHANGE

CONCEPT MASTER SIGNING PLAN
PINE RIDGE RD

SHEET #
ROLL-3

PINE RIDGE RD AT SR 93 (I-75) INTERCHANGE

CONCEPT MASTER SIGNAL PLAN
PINE RIDGE RD

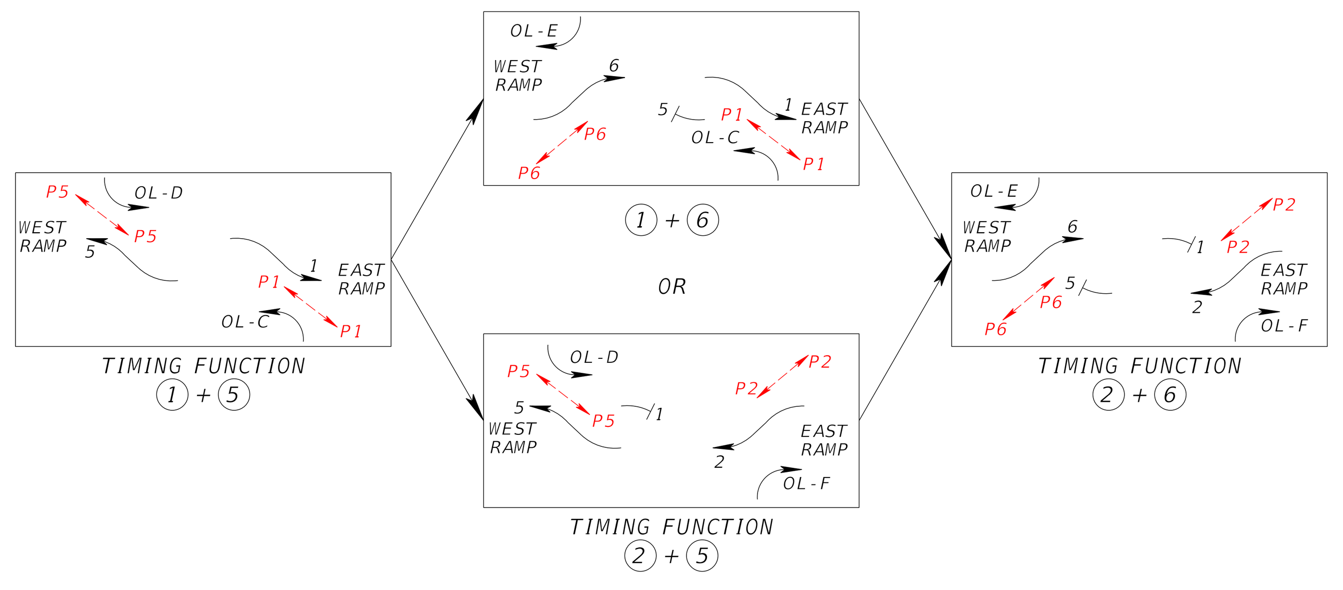
SCHEDULE OF UNDERGROUND CONDUITS***	
1	6-2" CONDUITS: TWO FOR SIGNAL HEADS, TWO FOR PEDS, ONE FOR DETECTION, ONE SPARE
2	7-2" CONDUITS: TWO FOR SIGNAL HEADS, TWO FOR PEDS, ONE FOR DETECTION, ONE FOR CAMERA, ONE SPARE
3	3-2" CONDUITS: TWO FOR PEDS, ONE SPARE
4	4-2" CONDUITS: TWO FOR SIGNAL HEADS, ONE FOR DETECTION, ONE SPARE
4A	5-2" CONDUITS: TWO FOR SIGNAL HEADS, ONE FOR DETECTION, ONE FOR CAMERA, ONE SPARE
5	3-2" CONDUITS: TWO FOR FIBER OPTIC TRUNK, ONE SPARE
6	2-2" CONDUITS: ONE FOR FIBER OPTIC TRUNK, ONE SPARE
7	2-2" CONDUITS: ONE FOR SIGNAL HEADS, ONE SPARE

*** CONDUIT RUNS SHOWN ARE THE MINIMUM REQUIRED AND SHALL BE ADJUSTED AS NECESSARY BASED ON THE ACTUAL FIELD CONDITIONS.

CONTROLLER TIMINGS

MOVEMENT NUMBER	1	2	5	6
DIRECTION	EB	WB	WB	EB
TURN TYPE				
MINIMUM GREEN				
EXTENSION				
YELLOW CLEARANCE				
ALL RED				
MAX I				
MAX II				
MAX LIMIT				
ADJUST BY				
WALK				
FLASHING DON'T WALK				
DETECTOR MEMORY				
DETECTOR CROSS SWITCH				
DUAL ENTRY				
RECALL				
VEHICLE RECALL				
CNA				
REST IN WALK				

S.O.P. & RING SEQUENCE



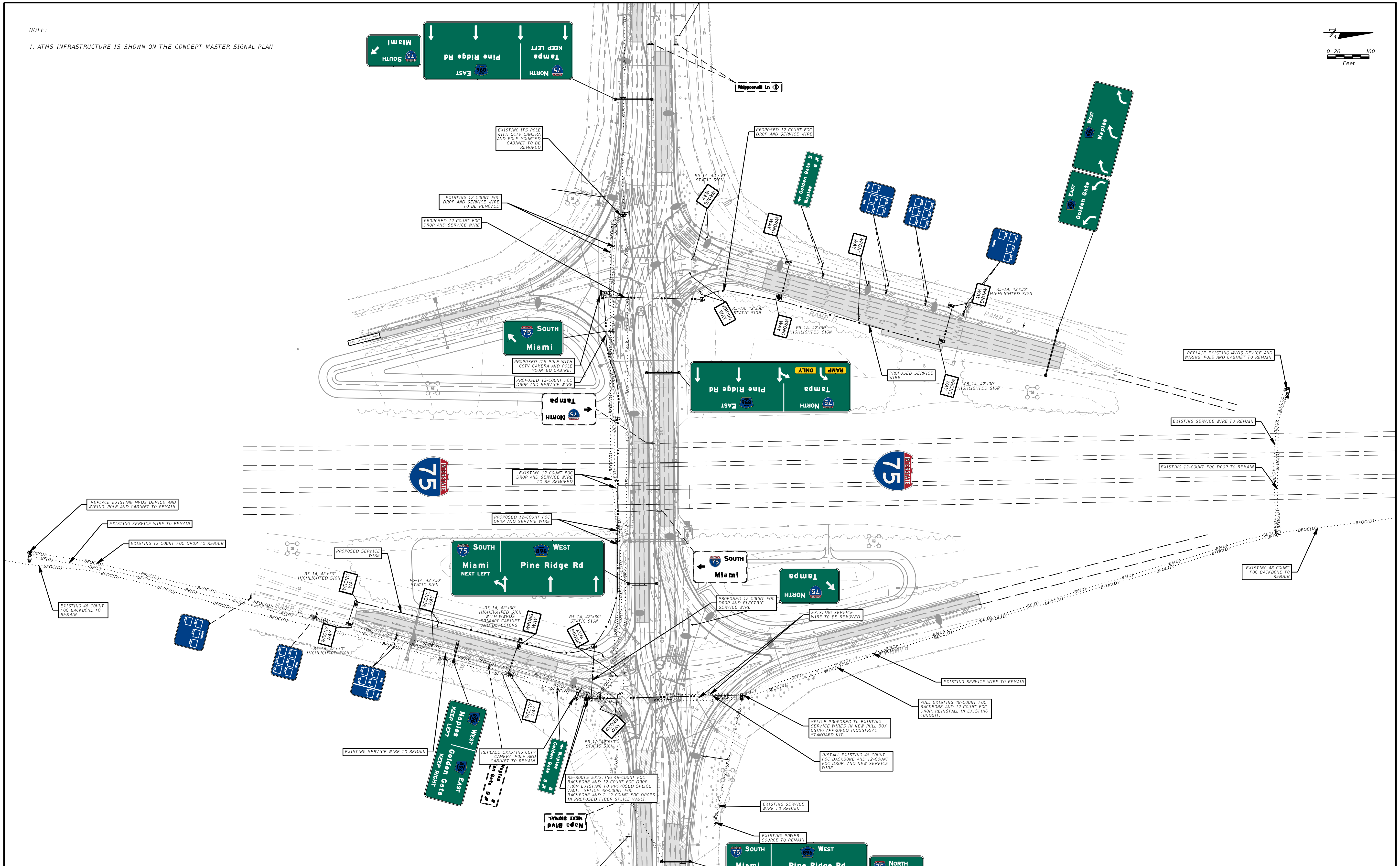
RING SEQUENCE

RING 1	1, 2
RING 2	5, 6

SHEET # ROLL-4

NOTE:

1. ATMS INFRASTRUCTURE IS SHOWN ON THE CONCEPT MASTER SIGNAL PLAN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

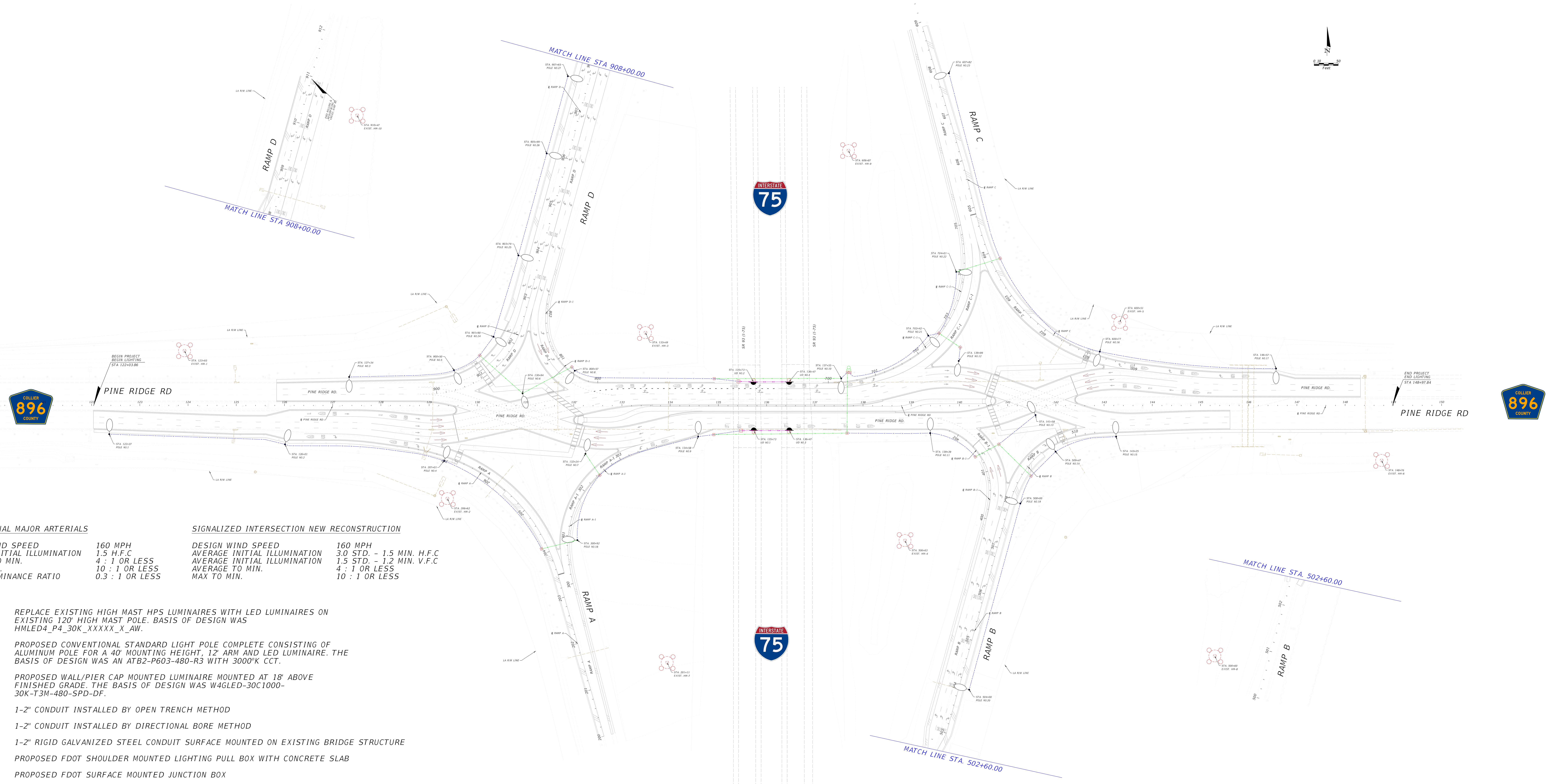
VIBE
6914 W. LINEBAUGH AVE
TAMPA, FL 33625

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 896	COLLIER	445296-1-22-01

CONCEPT MASTER ITS PLAN
PINE RIDGE ROAD

SHEET NO.
ROLL-5



LIGHTING DATA TABLE

POLE NO.	STATION	NUMBER OF LUMINAIRES	MOUNTING HEIGHT	ARM LENGTH/ CONFIGURATION	LOCATION	FOUNDATION	SETBACK / OFFSET	PAY ITEM
1	122+37 BL PINE RIDGE RD	1	40'	12' SINGLE TRUSS ARM	BEHIND SIDEWALK	CYLINDRICAL	58.7' RT	715-61-342
2	126+01 BL PINE RIDGE RD	1	40'	12' SINGLE TRUSS ARM	BEHIND SIDEWALK	CYLINDRICAL	79.6' RT	715-61-342
3	127+34 BL PINE RIDGE RD	1	40'	12' SINGLE TRUSS ARM	BEHIND SIDEWALK	CYLINDRICAL	60.3' LT	715-61-342
4	207+01 BL RAMP A	1	40'	12' SINGLE TRUSS ARM	BEHIND SIDEWALK	CYLINDRICAL	10.2' LT	715-61-342
5	900+50 BL RAMP D	1	40'	12' SINGLE TRUSS ARM	BEHIND SIDEWALK	CYLINDRICAL	41.1' LT	715-61-342
6	130+94 BL PINE RIDGE RD	1	40'	12' SINGLE TRUSS ARM	BEHIND CURB	CYLINDRICAL	10.7' LT FROM BOC	715-61-342
7	132+24 BL PINE RIDGE RD	1	40'	12' SINGLE TRUSS ARM	BEHIND CURB	CYLINDRICAL	11.6' RT FROM BOC	715-61-342
8	800+57 BL RAMP D-1	1	40'	12' SINGLE TRUSS ARM	BEHIND CURB	CYLINDRICAL	6.3' LT FROM BOC	715-61-342
9	134+58 BL PINE RIDGE RD	1	40'	12' SINGLE TRUSS ARM	BEHIND CURB	CYLINDRICAL	5.6' RT FROM BOC	715-61-342
10	137+55 BL PINE RIDGE RD	1	40'	12' SINGLE TRUSS ARM	BEHIND CURB	CYLINDRICAL	7.6' LT FROM BOC	715-61-342
11	139+39 BL PINE RIDGE RD	1	40'	12' SINGLE TRUSS ARM	BEHIND CURB	CYLINDRICAL	7.6' RT FROM BOC	715-61-342
12	139+99 BL PINE RIDGE RD	1	40'	12' SINGLE TRUSS ARM	BEHIND CURB	CYLINDRICAL	12.2' LT FROM BOC	715-61-342
13	141+58 BL PINE RIDGE RD	1	40'	12' SINGLE TRUSS ARM	BEHIND CURB	CYLINDRICAL	5.7' RT FROM BOC	715-61-342
14	509+47 BL RAMP B	1	40'	12' SINGLE TRUSS ARM	BEHIND CURB	CYLINDRICAL	12.4' RT FROM BOC	715-61-342
15	143+25 BL PINE RIDGE RD	1	40'	12' SINGLE TRUSS ARM	BEHIND SIDEWALK	CYLINDRICAL	63.6' RT	715-61-342
16	600+77 BL RAMP C	1	40'	12' SINGLE TRUSS ARM	BEHIND SIDEWALK	CYLINDRICAL	10.0' RT	715-61-342
17	146+57 BL PINE RIDGE RD	1	40'	12' SINGLE TRUSS ARM	BEHIND SIDEWALK	CYLINDRICAL	77.6' LT	715-61-342
18	300+92 BL RAMP A-1	1	40'	12' SINGLE TRUSS ARM	SHOULDER	CYLINDRICAL	19.4' RT FROM EOT	715-61-342
19	508+00 BL RAMP B	1	40'	12' SINGLE TRUSS ARM	SHOULDER	CYLINDRICAL	21.0' RT FROM EOT	715-61-342
20	504+00 BL RAMP B	1	40'	12' SINGLE TRUSS ARM	SHOULDER	CYLINDRICAL	21.5' RT FROM EOT	715-61-342
21	702+42 BL RAMP C-1	1	40'	12' SINGLE TRUSS ARM	BEHIND CURB	CYLINDRICAL	15.6' LT FROM EOT	715-61-342
22	704+01 BL RAMP C-1	1	40'	12' SINGLE TRUSS ARM	SHOULDER	CYLINDRICAL	18.9' LT FROM EOT	715-61-342
23	607+82 BL RAMP C	1	40'	12' SINGLE TRUSS ARM	SHOULDER	CYLINDRICAL	25.2' RT FROM EOT	715-61-342
24	901+90 BL RAMP D	1	40'	12' SINGLE TRUSS ARM	BEHIND CURB	CYLINDRICAL	13.0' LT FROM BOC	715-61-342
25	903+79 BL RAMP D	1	40'	12' SINGLE TRUSS ARM	SHOULDER	CYLINDRICAL	22.0' LT FROM EOT	715-61-342
26	905+99 BL RAMP D	1	40'	12' SINGLE TRUSS ARM	SHOULDER	CYLINDRICAL	21.6' LT FROM EOT	715-61-342
27	907+65 BL RAMP D	1	40'	12' SINGLE TRUSS ARM	SHOULDER	CYLINDRICAL	21.6' LT FROM EOT	715-61-342
HM-1	123+93 BL PINE RIDGE RD	4	120'	HIGH MAST RING	GRASS AREA	CYLINDRICAL	EXISTING	715-11-212
HM-2	206+62 BL RAMP A	4	120'	HIGH MAST RING	GRASS AREA	CYLINDRICAL	EXISTING	715-11-212
HM-3	133+49 BL PINE RIDGE RD	4	120'	HIGH MAST RING	GRASS AREA	CYLINDRICAL	EXISTING	715-11-212
HM-4	506+63 BL RAMP B	4	120'	HIGH MAST RING	GRASS AREA	CYLINDRICAL	EXISTING	715-11-212
HM-5	600+51 BL PINE RIDGE RD	4	120'	HIGH MAST RING	GRASS AREA	CYLINDRICAL	EXISTING	715-11-212
HM-6	148+76 BL PINE RIDGE RD	4	120'	HIGH MAST RING	GRASS AREA	CYLINDRICAL	EXISTING	715-11-212
HM-7	201+11 BL RAMP A	4	120'	HIGH MAST RING	GRASS AREA	CYLINDRICAL	EXISTING	715-11-212
HM-8	500+60 BL RAMP B	4	120'	HIGH MAST RING	GRASS AREA	CYLINDRICAL	EXISTING	715-11-212
HM-9	606+87 BL RAMP C	4	120'	HIGH MAST RING	GRASS AREA	CYLINDRICAL	EXISTING	715-11-212
HM-10	910+47 BL RAMP D	4	120'	HIGH MAST RING	GRASS AREA	CYLINDRICAL	EXISTING	715-11-212
UD-1	135+73 BL PINE RIDGE RD	1	18'	WALL MOUNTED LUMINAIRE	PIER CAP	NOT APPLICABLE	50.6' RT	715-11-125
UD-2	135+73 BL PINE RIDGE RD	1	18'	WALL MOUNTED LUMINAIRE	PIER CAP	NOT APPLICABLE	50.3' LT	715-11-125
UD-3	136+47 BL PINE RIDGE RD	1	18'	WALL MOUNTED LUMINAIRE	PIER CAP	NOT APPLICABLE	50.5' RT	715-11-125
UD-4	136+47 BL PINE RIDGE RD	1	18'	WALL MOUNTED LUMINAIRE	PIER CAP	NOT APPLICABLE	50.6' LT	715-11-125

CONVENTIONAL MAJOR ARTERIALS

DESIGN WIND SPEED	160 MPH
AVERAGE INITIAL ILLUMINATION	1.5 H.F.C
AVERAGE TO MIN.	4 : 1 OR LESS
MAX TO MIN.	10 : 1 OR LESS
VEILING LUMINANCE RATIO	0.3 : 1 OR LESS

SIGNALIZED INTERSECTION NEW RECONSTRUCTION

DESIGN WIND SPEED	160 MPH
AVERAGE INITIAL ILLUMINATION	3.0 STD. - 1.5 MIN. H.F.C
AVERAGE INITIAL ILLUMINATION	1.5 STD. - 1.2 MIN. V.F.C
AVERAGE TO MIN.	4 : 1 OR LESS
MAX TO MIN.	10 : 1 OR LESS

LEGEND

- REPLACE EXISTING HIGH MAST HPS LUMINAIRES WITH LED LUMINAIRES ON EXISTING 120' HIGH MAST POLE. BASIS OF DESIGN WAS HMLED4_P4_30K_XXXXX_X_AW.
- PROPOSED CONVENTIONAL STANDARD LIGHT POLE COMPLETE CONSISTING OF ALUMINUM POLE FOR A 40' MOUNTING HEIGHT, 12' ARM AND LED LUMINAIRE. THE BASIS OF DESIGN WAS AN ATB2-P603-480-R3 WITH 3000°K CCT.
- PROPOSED WALL/PIER CAP MOUNTED LUMINAIRE MOUNTED AT 18' ABOVE FINISHED GRADE. THE BASIS OF DESIGN WAS W4GLED-30C1000-30K-T3M-480-SPD-DF.
- 1-2" CONDUIT INSTALLED BY OPEN TRENCH METHOD
- 1-2" CONDUIT INSTALLED BY DIRECTIONAL BORE METHOD
- 1-2" RIGID GALVANIZED STEEL CONDUIT SURFACE MOUNTED ON EXISTING BRIDGE STRUCTURE
- PROPOSED FDOT SHOULDER MOUNTED LIGHTING PULL BOX WITH CONCRETE SLAB
- PROPOSED FDOT SURFACE MOUNTED JUNCTION BOX
- PROPOSED FDOT LIGHTING SERVICE POINT

PINE RIDGE RD AT SR 93 (I-75) INTERCHANGE

CONCEPT MASTER LIGHTING PLAN
PINE RIDGE RD

SHEET #
ROLL-6