

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

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GOVERNING STANDARD PLANS

FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2021-22 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: [HTTPS://WWW.FDOT.GOV/DESIGN/STANDARDPLANS](https://www.fdot.gov/design/standardplans)

APPLICABLE IRS: IR536-001-01, IR521-001-01

STANDARD PLANS FOR BRIDGE CONSTRUCTION ARE INCLUDED IN THE STRUCTURES PLANS COMPONENT.

GOVERNING STANDARD SPECIFICATIONS

FLORIDA DEPARTMENT OF TRANSPORTATION, JANUARY 2021 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE:

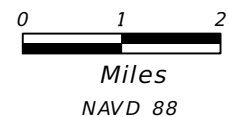
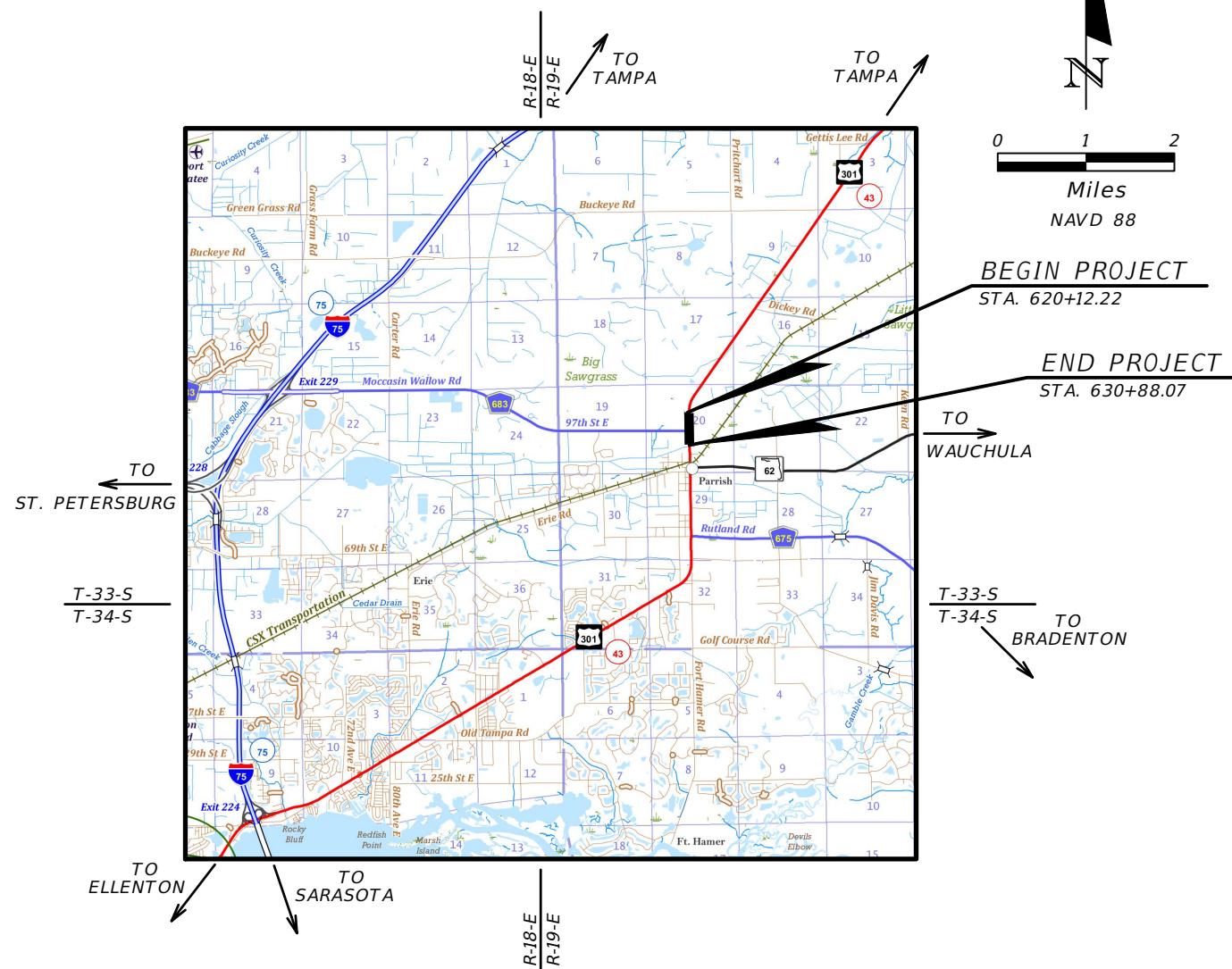
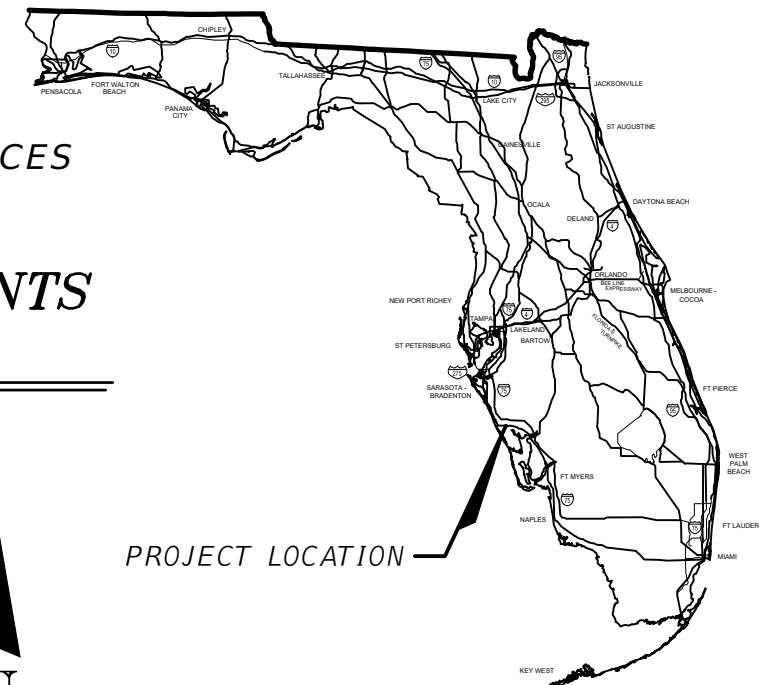
[HTTPS://WWW.FDOT.GOV/PROGRAMMANAGEMENT/IMPLEMENTED/SPECSBOOKS](https://www.fdot.gov/programmanagement/implemented/specsbooks)

U.S. 301 (S.R. 43) AND MOCCASIN WALLOW ROAD ROUNDABOUT

MANATEE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES
1022 26TH AVE EAST
BRADENTON, FL 34208

ROUNDABOUT ADDITION AND ROAD IMPROVEMENTS
ROADWAY ID:

U.S. 301 - S.R. 43 - TAMiami TRAIL
MANATEE COUNTY
SECTION , MILEPOST TO MILEPOST
FDOT DRIVEWAY PERMIT NUMBER:
FDOT DRAINAGE PERMIT NUMBER:



BEGIN PROJECT STA. 620+12.22
END PROJECT STA. 630+88.07

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

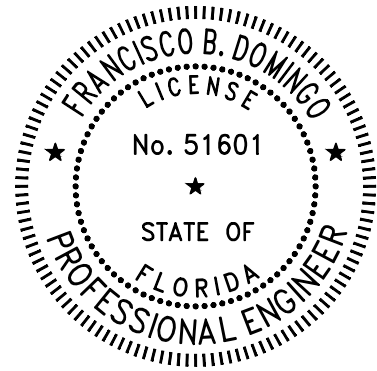
ROADWAY PLANS
ENGINEER OF RECORD: ROBERT A. ENGEL, P.E.

P.E. NO.: 58602



6900 Professional Parkway East, Sarasota, FL 34240-8414
Phone 941-907-6900 • Fax 941-907-6910
Certificate of Authorization #27013 • www.stantec.com

FISCAL YEAR	SHEET NO.
2022	1



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

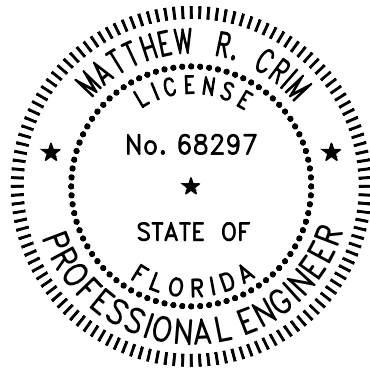
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STANTEC CONSULTING SERVICES, INC.
6920 PROFESSIONAL PARKWAY EAST
SARASOTA, FLORIDA 34240-8414
MATTHEW R. CRIM, PE NO. 68297

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

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
49-54	LIGHTING PLANS



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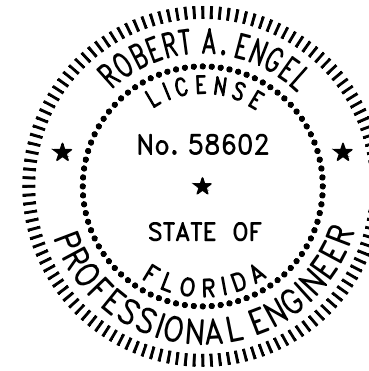
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ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
37-41	TEMPORARY TRAFFIC CONTROL PLAN (5) PH I
42-46	TEMPORARY TRAFFIC CONTROL PLAN (10) PH II
47	TEMPORARY TRAFFIC CONTROL PLAN (11) PH III
48	TRAFFIC CONTROL DETOUR PLAN



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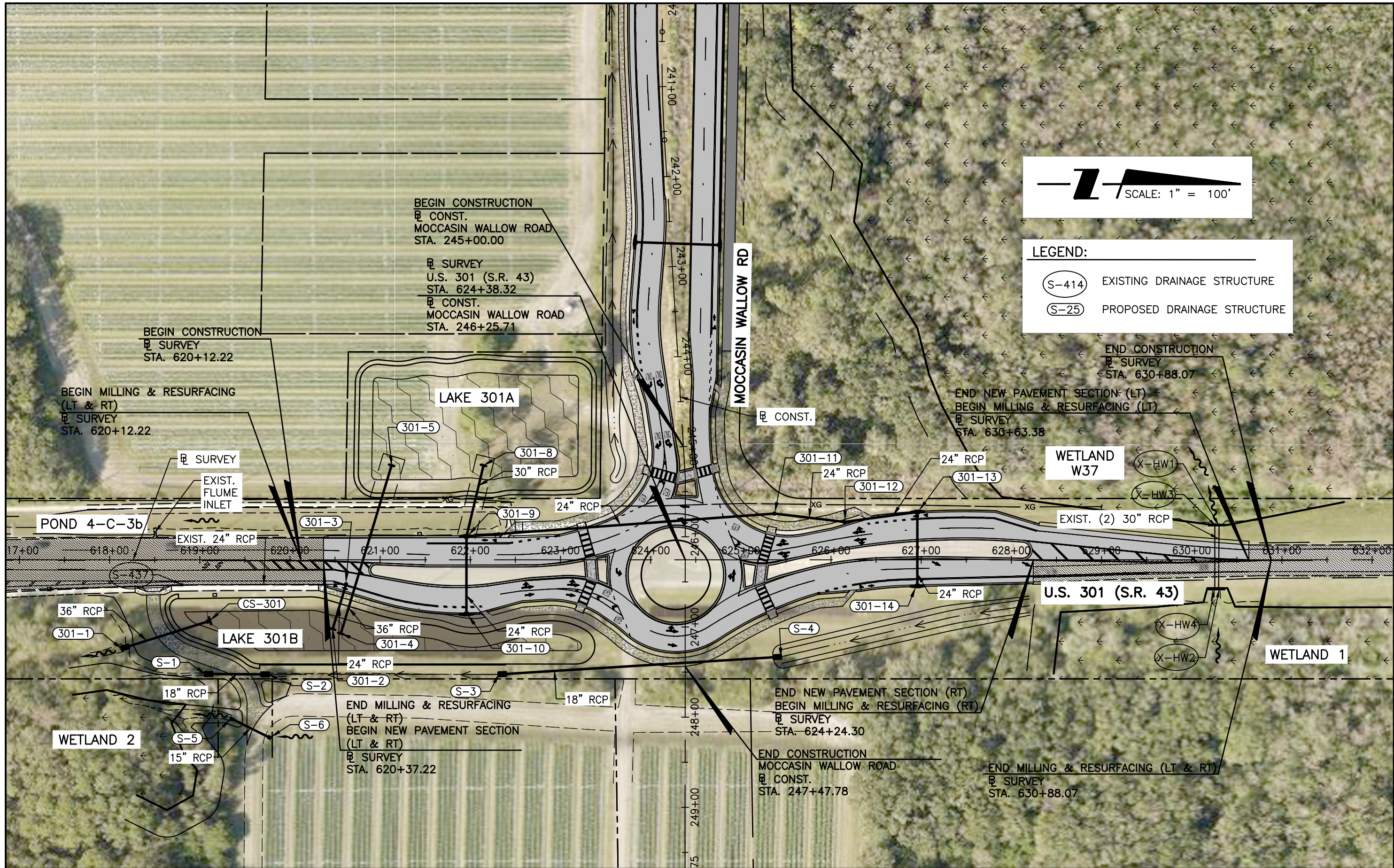
STANTEC CONSULTING SERVICES, INC.
6920 PROFESSIONAL PARKWAY EAST
SARASOTA, FLORIDA 34240-8414
ROBERT A. ENGEL, PE NO. 58602

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

ROADWAY PLANS

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68-70	STORMWATER POLLUTION PREVENTION SITE PLAN (3)
71	STORMWATER POLLUTION PREVENTION DETAILS

REVISIONS				STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO. 2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	STANTEC PROJECT NO.		
				ROBERT A. ENGEL, PE NO. 58602	SR 43	MANATEE COUNTY	215615900		



LEGEND:

(S-414)	EXISTING DRAINAGE STRUCTURE
(S-25)	PROPOSED DRAINAGE STRUCTURE

REVISIONS	
DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

DRAINAGE MAP

SHEET NO.
3

STRUCTURE TABLE	
STRUCTURE NAME	DETAILS
301-1	STA. 618+13.35, 98.38 R MITERED END INV OUT = 38.50
301-2	STA. 620+47.31, 76.71 R ENDWALL INV IN = 34.25
301-3	STA. 620+62.28, 27.08 R MANHOLE INV IN = 36.17 INV OUT = 36.17 TOP = 42.25
301-4	STA. 620+56.42, 81.73 R ENDWALL INV IN = 33.17
301-5	STA. 621+12.70, -104.80 L ENDWALL INV OUT = 33.17
301-8	STA. 622+14.72, -104.77 L ENDWALL INV IN = 33.71
301-9	STA. 621+95.74, -25.95 L CURB INLET TYPE 9 INV IN = 36.56 INV IN = 35.61 INV OUT = 35.07 TOP = 41.97
301-10	STA. 621+95.69, 60.11 R CURB INLET TYPE 9 INV OUT = 36.73 TOP = 41.84
301-11	STA. 625+37.20, -51.32 L MANHOLE INV IN = 36.29 INV OUT = 36.29 TOP = 41.52

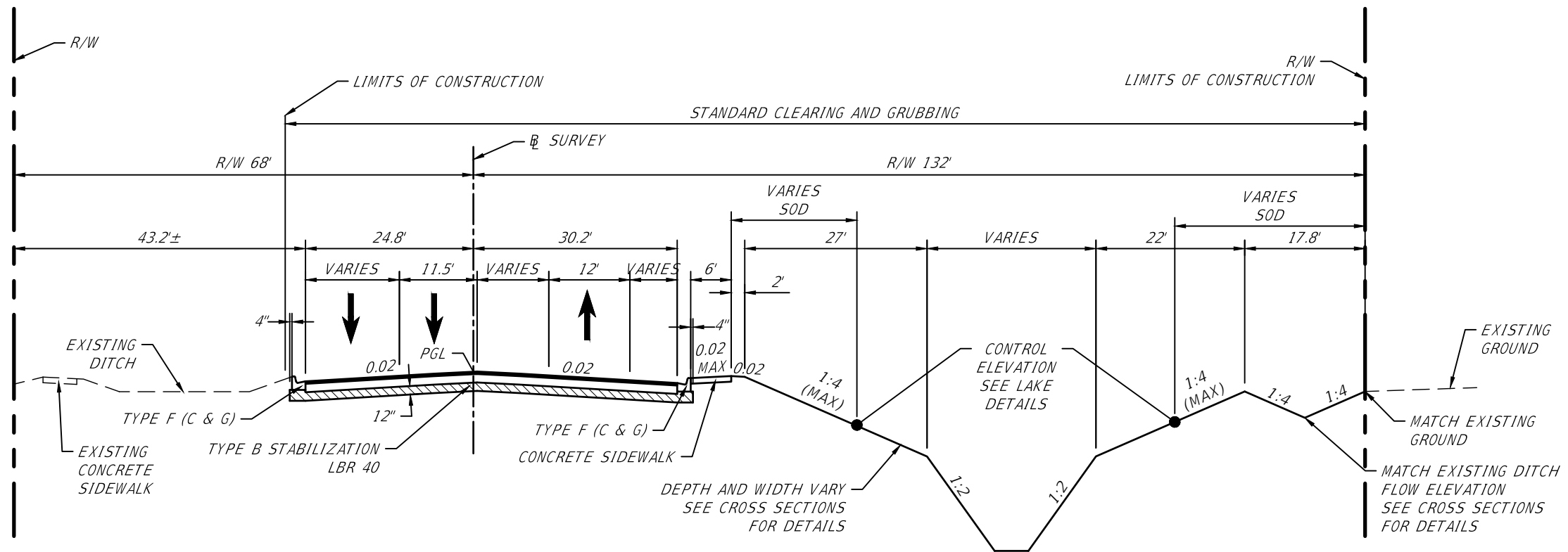
STRUCTURE TABLE	
STRUCTURE NAME	DETAILS
301-12	STA. 626+14.89, -42.03 L MANHOLE INV IN = 36.45 INV OUT = 36.45 TOP = 42.03
301-13	STA. 626+95.80, -52.99 L CURB INLET TYPE 9 INV IN = 36.61 INV OUT = 36.61 TOP = 41.48
301-14	STA. 626+95.69, 28.99 R CURB INLET TYPE 9 INV OUT = 36.77 TOP = 41.88
CS-301	STA. 619+09.52, 68.20 R DBI TYPE D (MODIFY)* INV IN = 34.67 TOP = 41.25
S-1	STA. 619+05.92, 126.58 R MITERED END INV IN = 39.20
S-2	STA. 619+76.42, 127.05 R MITERED END INV OUT = 39.70
S-3	STA. 622+31.54, 127.02 R MITERED END INV OUT = 40.90
S-4	STA. 625+44.45, 107.53 R MITERED END INV IN = 39.60
S-5	STA. 619+35.26, 176.21 R DBI TYPE F INV IN = 37.77 TOP = 39.80

STRUCTURE TABLE	
STRUCTURE NAME	DETAILS
S-6	STA. 619+77.24, 197.05 R DBI TYPE F INV OUT = 37.86 TOP = 39.60

EXISTING STRUCTURE TABLE	
STRUCTURE NAME	DETAILS
S-437	STA. 618+79.64, 27.66 R CURB INLET TYPE 9 INV IN = 36.54 INV OUT = 36.54 TOP = 42.54
X-HW1	STA. 630+30.33, -38.96 L HEADWALL INV IN = 36.35
X-HW2	STA. 630+29.86, 33.44 R HEADWALL INV OUT = 36.69
X-HW3	STA. 630+25.64, -38.83 L HEADWALL INV IN = 36.28
X-HW4	STA. 630+25.65, 33.58 R HEADWALL INV OUT = 36.73

*SEE LAKE DETAIL (2)

REVISIONS				STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES	SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	STANTEC PROJECT NO.		
					SR 43	MANATEE COUNTY	215615900		



**TYPICAL SECTION
U.S. 301 (S.R. 43)
STA. 620+37.22 TO STA. 620+87.92**

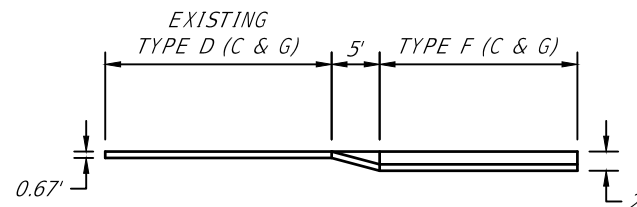
MILLING
MILL EXISTING ASPHALTIC PAVEMENT
(3.5" AVERAGE DEPTH)

RESURFACING
RESURFACING WITH 1.5" FRICTION COURSE FC-12.5
AND 2" TYPE SP STRUCTURAL COURSE

NEW CONSTRUCTION
10" OPTIONAL BASE GROUP 9 WITH 1.5" FC-9.5 AND
3.5" OF SP-19 ASPHALTIC CONCRETE

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 12,800
 ESTIMATED OPENING YEAR = 2023 AADT = 12,800
 ESTIMATED DESIGN YEAR = 2045 AADT = 16,200
 K = 9% D = 55% T = 16% (24 HOUR)
 DESIGN HOUR T = 8%
 DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH
 TARGET SPEED = 45 MPH

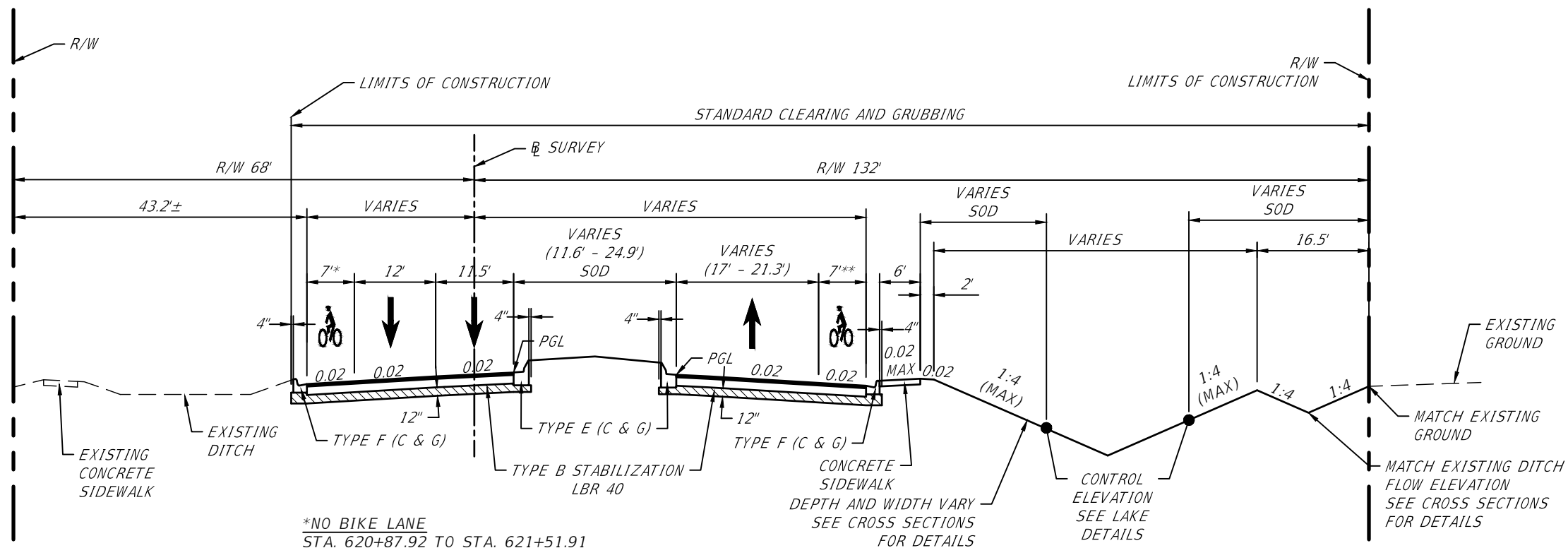


**CURB & GUTTER
TRANSITION DETAIL**

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A UNIFORM EDGE TO CONNECT WIDENING TO EXISTING PAVEMENT.
2. THE CONTRACTOR SHOULD ANTICIPATE THAT A PORTION OF THE BASE COULD BE EXPOSED DURING THE MILLING OPERATION. AN APPLICATION OF PRIME COAT IS REQUIRED IF THE BASE IS EXPOSED DURING THE MILLING OPERATION.

REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	STANTEC PROJECT NO.	
				SR 43	MANATEE COUNTY	215615900	
				ROBERT A. ENGEL, PE NO. 58602			



*NO BIKE LANE
STA. 620+87.92 TO STA. 621+51.91

**NO BIKE LANE
STA 622+12.40 TO STA 622+3.59

**TYPICAL SECTION
U.S. 301 (S.R. 43)
STA. 620+87.92 TO STA. 622+12.40**

NEW CONSTRUCTION
10" OPTIONAL BASE GROUP 9 WITH 1.5" FC-9.5 AND
3.5" OF SP-19 ASPHALTIC CONCRETE

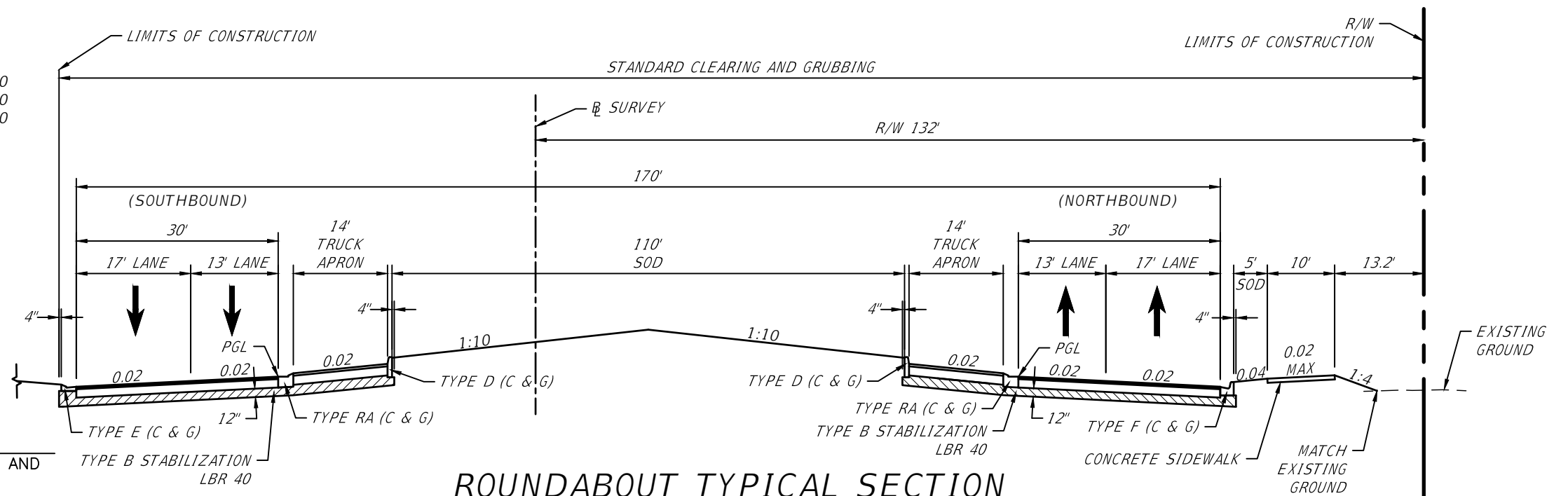
TRAFFIC DATA

CURRENT YEAR = 2019 AADT = 12,800
 ESTIMATED OPENING YEAR = 2023 AADT = 12,800
 ESTIMATED DESIGN YEAR = 2045 AADT = 16,200
 K = 9% D = 55% T = 16% (24 HOUR)
 DESIGN HOUR T = 8%
 DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH
 TARGET SPEED = 45 MPH

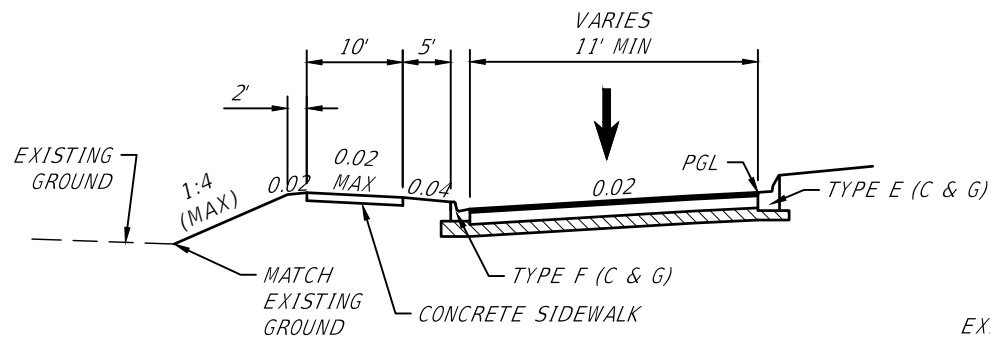
REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 6
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	STANTEC PROJECT NO.	
				SR 43	MANATEE COUNTY	215615900	

TRAFFIC DATA

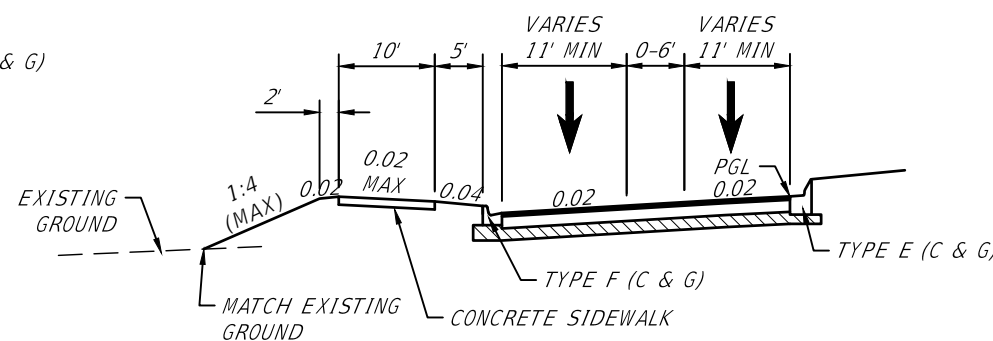
CURRENT YEAR = 2019 AADT = 12,800
 ESTIMATED OPENING YEAR = 2023 AADT = 12,800
 ESTIMATED DESIGN YEAR = 2045 AADT = 16,200
 K = 9% D = 55% T = 16% (24 HOUR)
 DESIGN HOUR T = 8%
 DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH
 TARGET SPEED = 45 MPH



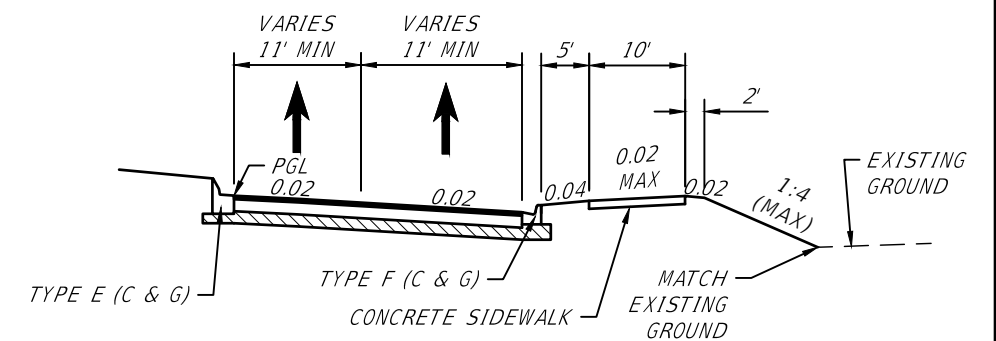
ROUNDABOUT TYPICAL SECTION
U.S. 301 (S.R. 43)
STA. 623+54.39 TO STA. 625+00.53



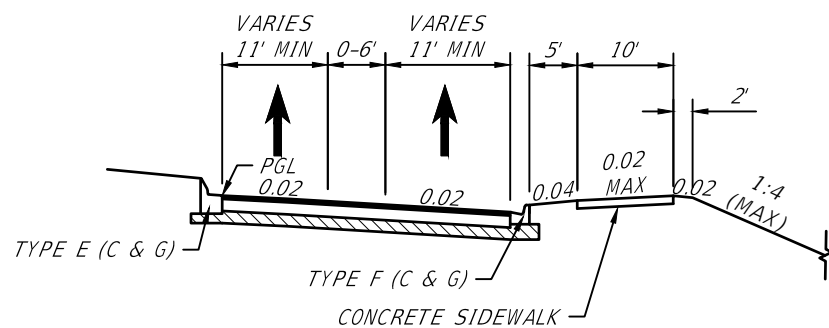
WESTBOUND LANES EXITING ROUNDABOUT
MOCCASIN WALLOW ROAD CENTERLINE
STA. 245+00.00 TO STA. 245+56.90



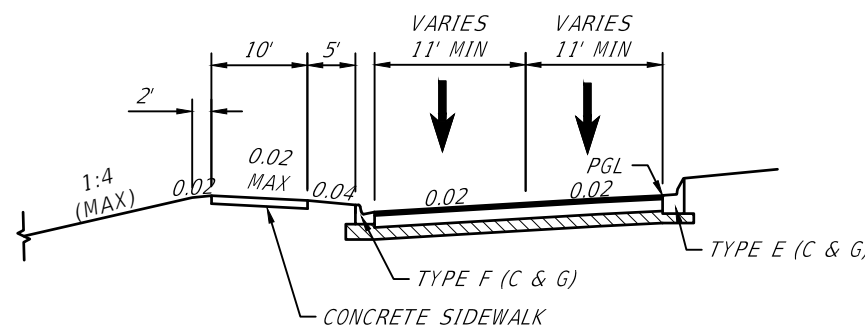
SOUTHBOUND LANES ENTERING ROUNDABOUT
STA. 625+00.53 TO STA. 626+41.14



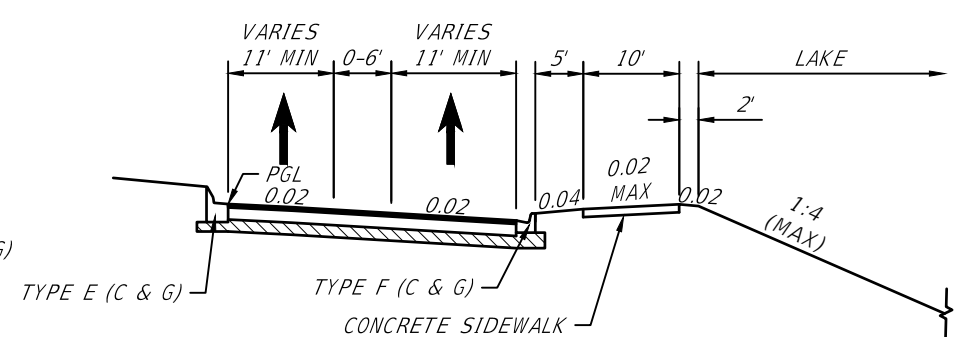
NORTHBOUND LANES EXITING ROUNDABOUT
STA. 625+00.53 TO STA. 626+26.31



EASTBOUND LANES ENTERING ROUNDABOUT
MOCCASIN WALLOW ROAD CENTERLINE
STA. 245+00.00 TO STA. 245+56.90

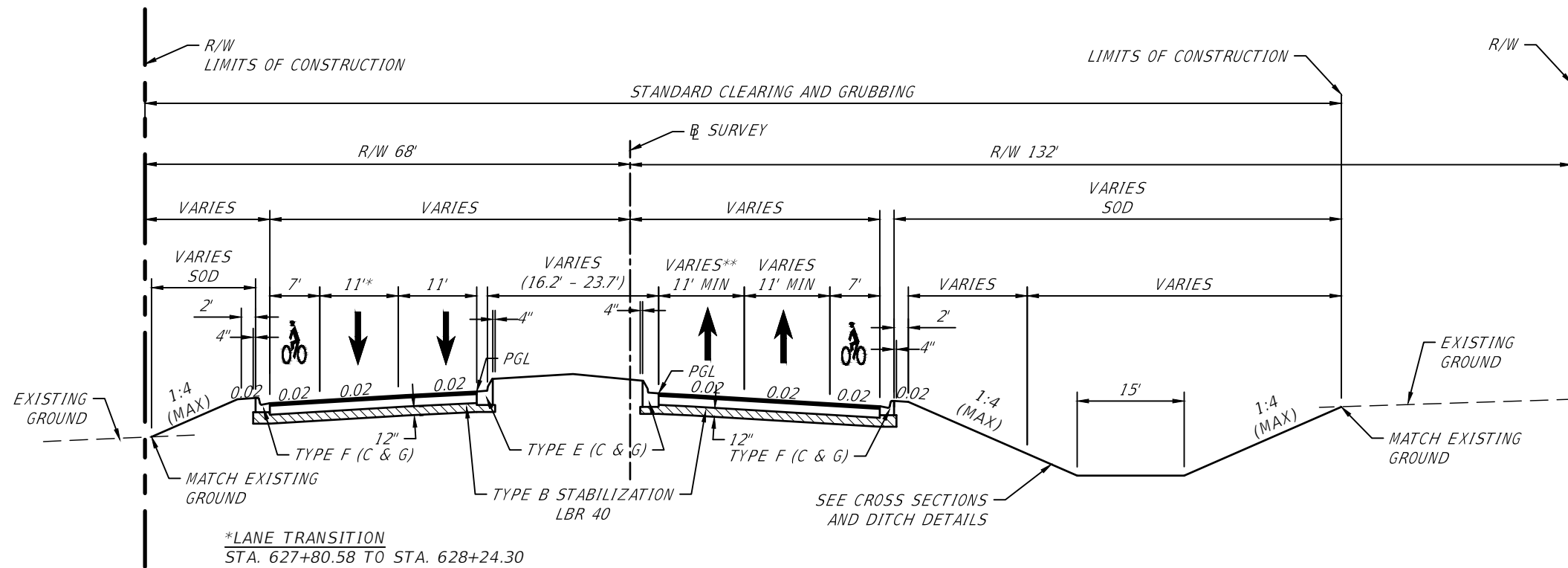


SOUTHBOUND LANES EXITING ROUNDABOUT
STA. 623+54.39 TO STA. 622+41.79



NORTHBOUND LANES ENTERING ROUNDABOUT
STA. 622+33.59 TO STA. 623+54.39

REVISIONS				STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTIONS (3)	SHEET NO. 7
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	STANTEC PROJECT NO.		
					SR 43	MANATEE COUNTY	215615900		



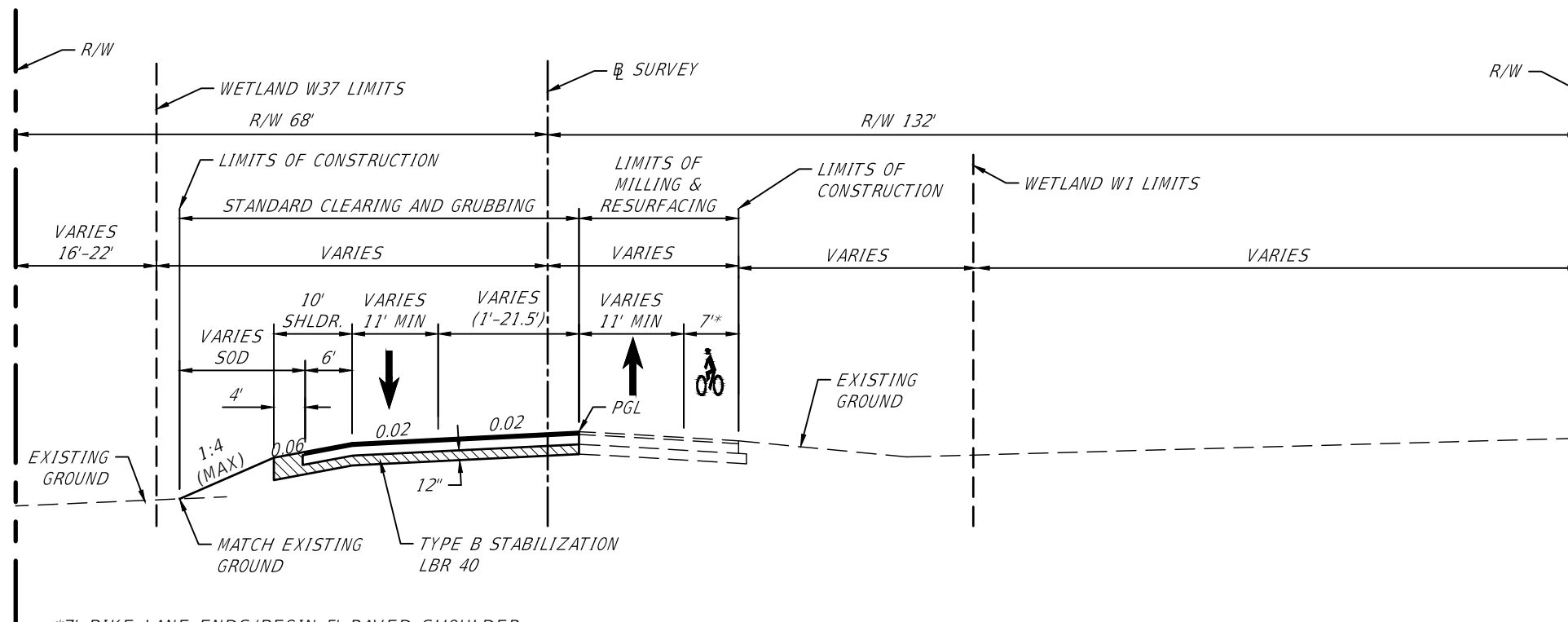
**TYPICAL SECTION
U.S. 301 (S.R. 43)
STA. 626+26.31 TO STA. 628+24.30**

NEW CONSTRUCTION
10" OPTIONAL BASE GROUP 9 WITH 1.5" FC-9.5 AND
3.5" OF SP-19 ASPHALTIC CONCRETE

TRAFFIC DATA

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 DESIGN HOUR T = 8%
 DESIGN SPEED = 45 MPH
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 TARGET SPEED = 45 MPH

REVISIONS				STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTIONS (4)	SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	STANTEC PROJECT NO.		
					SR 43	MANATEE COUNTY	215615900		



*7' BIKE LANE ENDS/BEGIN 5' PAVED SHOULDER
STA. 629+51.30 TO STA. 630+63.38

**TYPICAL SECTION
U.S. 301 (S.R. 43)
STA. 628+24.30 TO STA. 630+63.38**

MILLING
MILL EXISTING ASPHALTIC PAVEMENT
(3.5" AVERAGE DEPTH)

RESURFACING
RESURFACING WITH 1.5" FRICTION COURSE FC-12.5
AND 2" TYPE SP STRUCTURAL COURSE

NEW CONSTRUCTION
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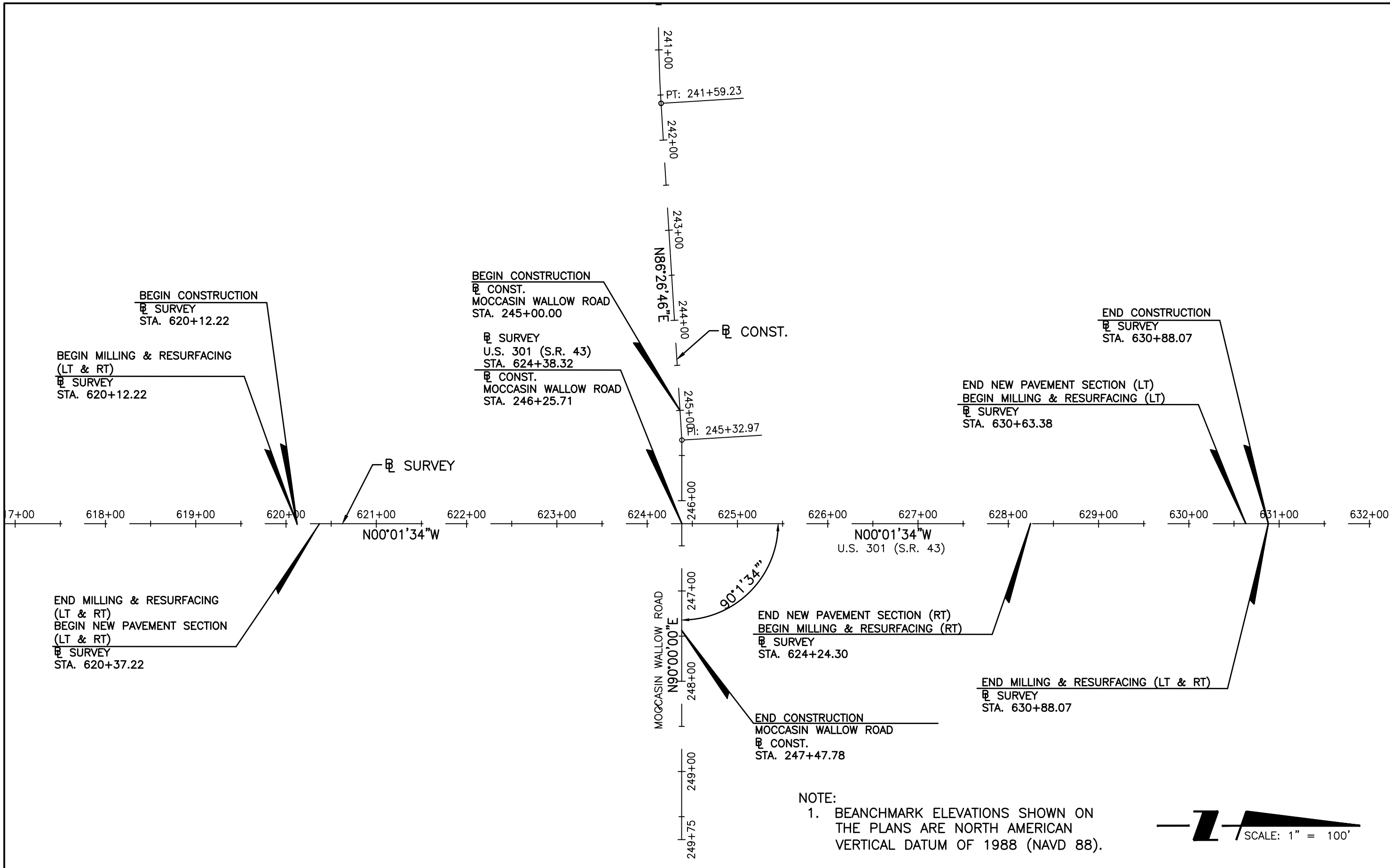
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K = 9% D = 55% T = 16% (24 HOUR)
DESIGN HOUR T = 8%
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH
TARGET SPEED = 45 MPH

NOTES:

- EXISTING ASPHALT AND BASE THAT CONFLICTS WITH THE CONSTRUCTION OF WIDENING OR SHOULDERS SHALL BE REMOVED.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A UNIFORM EDGE TO CONNECT WIDENING TO EXISTING PAVEMENT.
- ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO ACTUAL EXISTING PAVEMENT WIDTH. CONTRACTOR MAY ELECT TO PLACE UNIFORM WIDTH BASE STRIP AT NO ADDITIONAL COST.
- THE CONTRACTOR SHOULD ANTICIPATE THAT A PORTION OF THE BASE COULD BE EXPOSED DURING THE MILLING OPERATION. AN APPLICATION OF PRIME COAT IS REQUIRED IF THE BASE IS EXPOSED DURING THE MILLING OPERATION.

REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	STANTEC PROJECT NO.	
				SR 43	MANATEE COUNTY	215615900	9



NOTE:
 1. BEANCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).



REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT AND GENERAL NOTES	SHEET NO. 10
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	STANTEC PROJECT NO.		
				SR 43	MANATEE COUNTY	215615900		

TRAFFIC MONITORING SITES

TRAFFIC MONITORING SITE NUMBER 130014
ROADWAY ID NUMBER 13020000
MILEPOST 11.219

TRAFFIC MONITORING SITE NUMBER 130060
ROADWAY ID NUMBER 13020000
MILEPOST 11.7609

BEGIN CONSTRUCTION

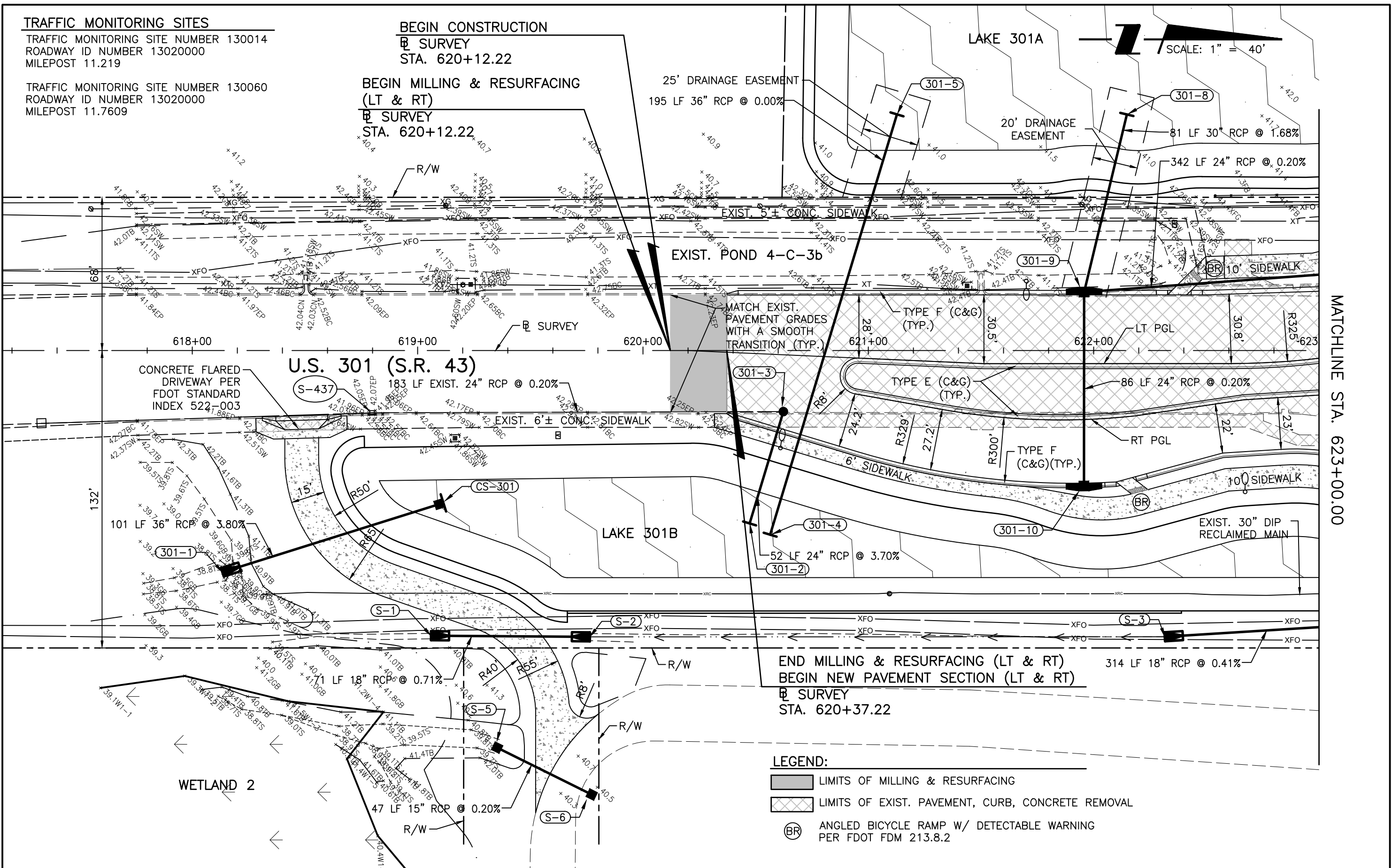
☒ SURVEY
STA. 620+12.22

BEGIN MILLING & RESURFACING (LT & RT)

☒ SURVEY
STA. 620+12.22

25' DRAINAGE EASEMENT
195 LF 36" RCP @ 0.00%

LAKE 301A



MATCHLINE STA. 623+00.00

END MILLING & RESURFACING (LT & RT)
BEGIN NEW PAVEMENT SECTION (LT & RT)
☒ SURVEY
STA. 620+37.22

- LEGEND:**
- LIMITS OF MILLING & RESURFACING
 - LIMITS OF EXIST. PAVEMENT, CURB, CONCRETE REMOVAL
 - BR ANGLED BICYCLE RAMP W/ DETECTABLE WARNING PER FDOT FDM 213.8.2

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
6920 PROFESSIONAL PARKWAY EAST
SARASOTA, FLORIDA 34240-8414
FBPE CERT. OF AUTH NO. 27013

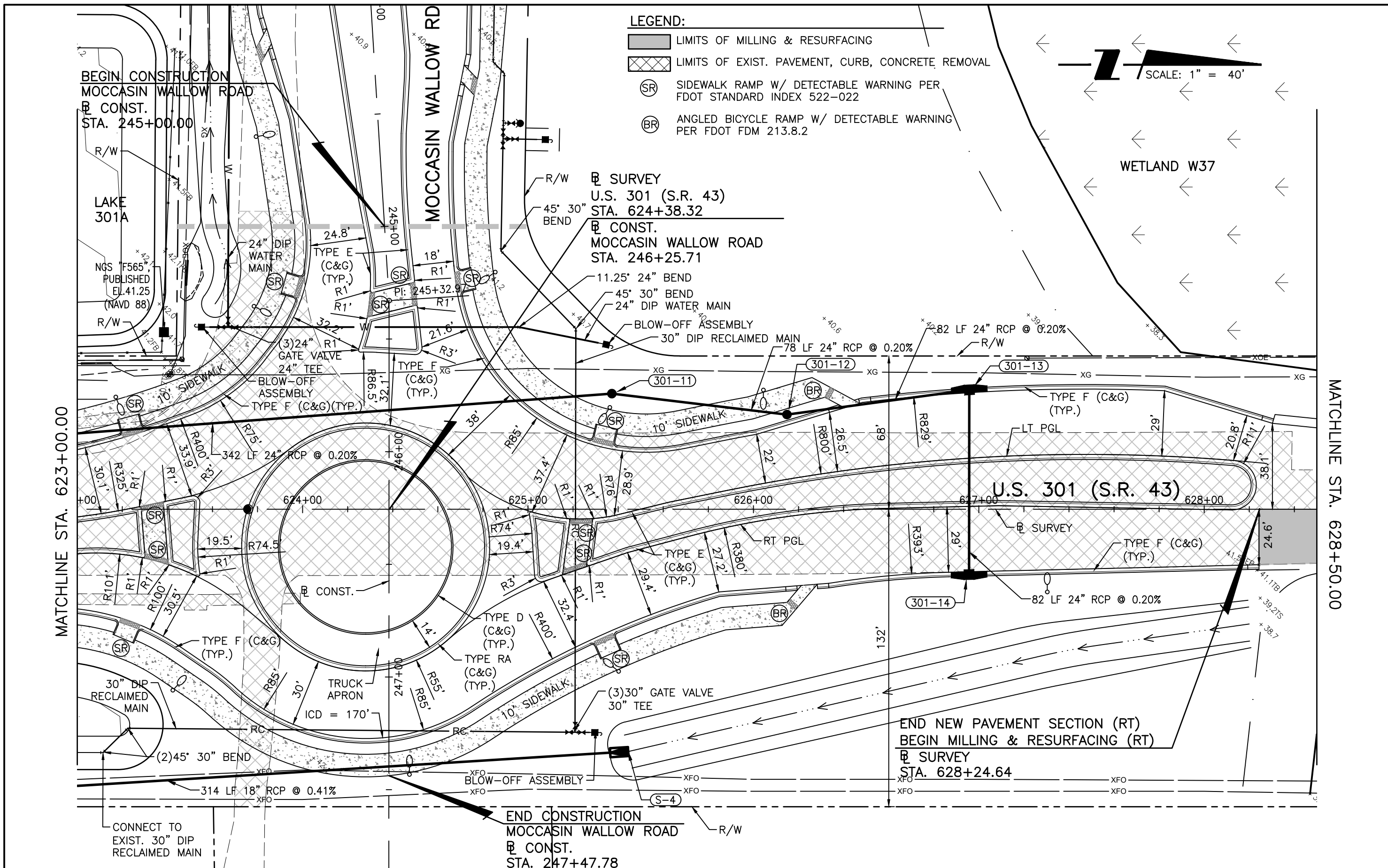
ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

ROADWAY PLANS (1)

SHEET NO.

11



REVISIONS	
DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

ROADWAY PLANS (2)

SHEET NO.
12

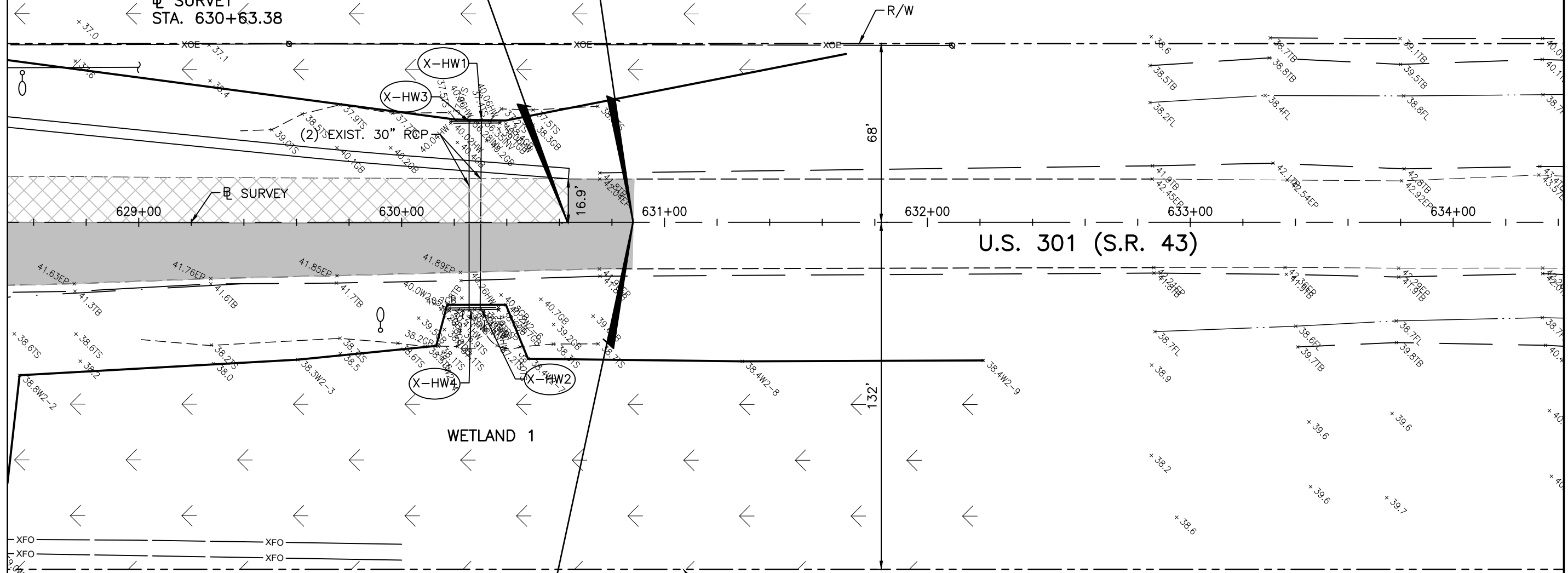


WETLAND W37

END CONSTRUCTION
 SURVEY
 STA. 630+88.07

END NEW PAVEMENT SECTION (LT)
 BEGIN MILLING & RESURFACING (LT)
 SURVEY
 STA. 630+63.38

MATCHLINE STA. 628+50.00



U.S. 301 (S.R. 43)

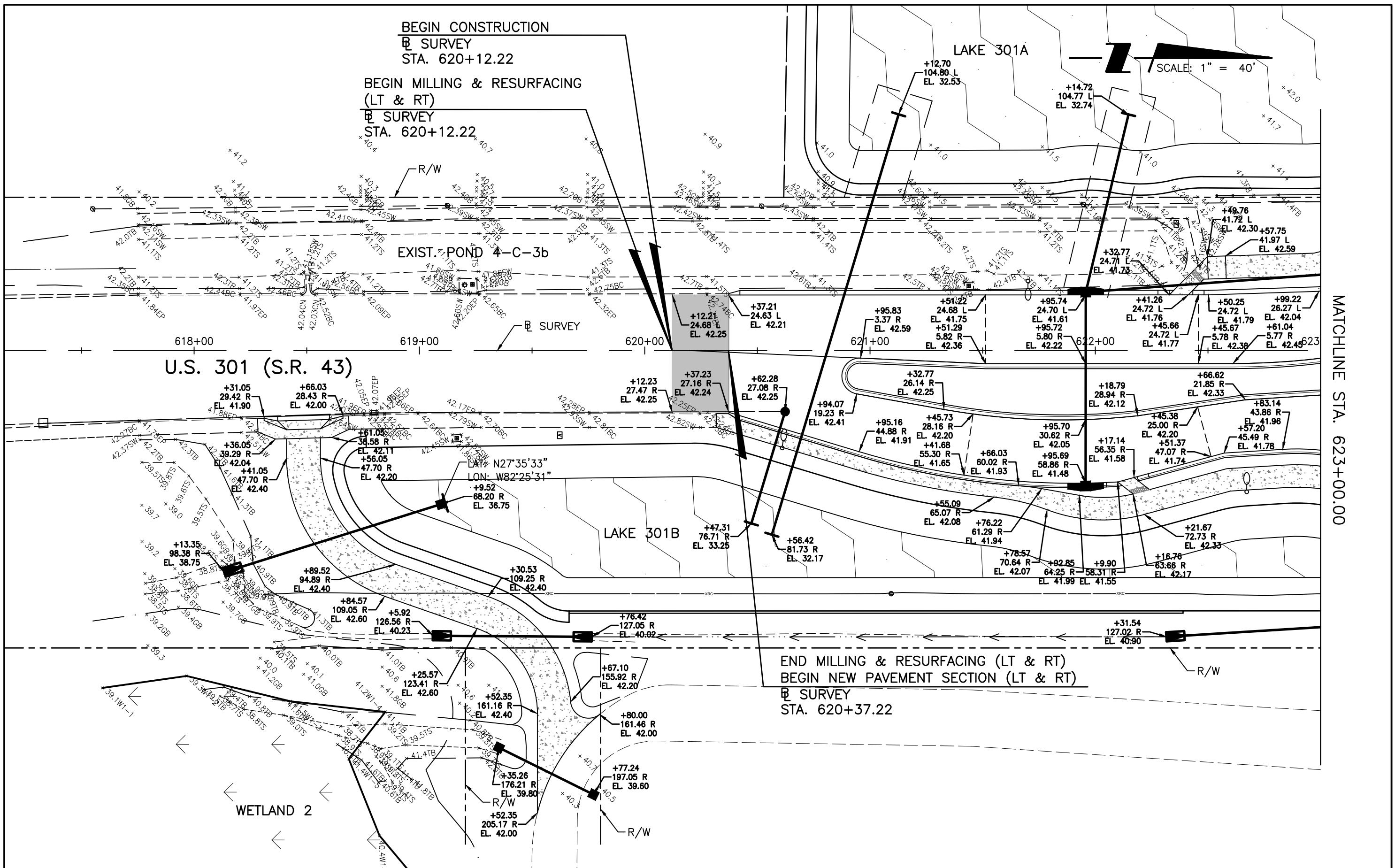
WETLAND 1

END MILLING & RESURFACING (LT & RT)
 SURVEY
 STA. 630+88.07

LEGEND:

- LIMITS OF MILLING & RESURFACING
- LIMITS OF EXIST. PAVEMENT, CURB, CONCRETE REMOVAL

REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROADWAY PLANS (3)	SHEET NO. 13
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY		
				SR 43	MANATEE COUNTY	215615900	



MATCHLINE STA. 623+00.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

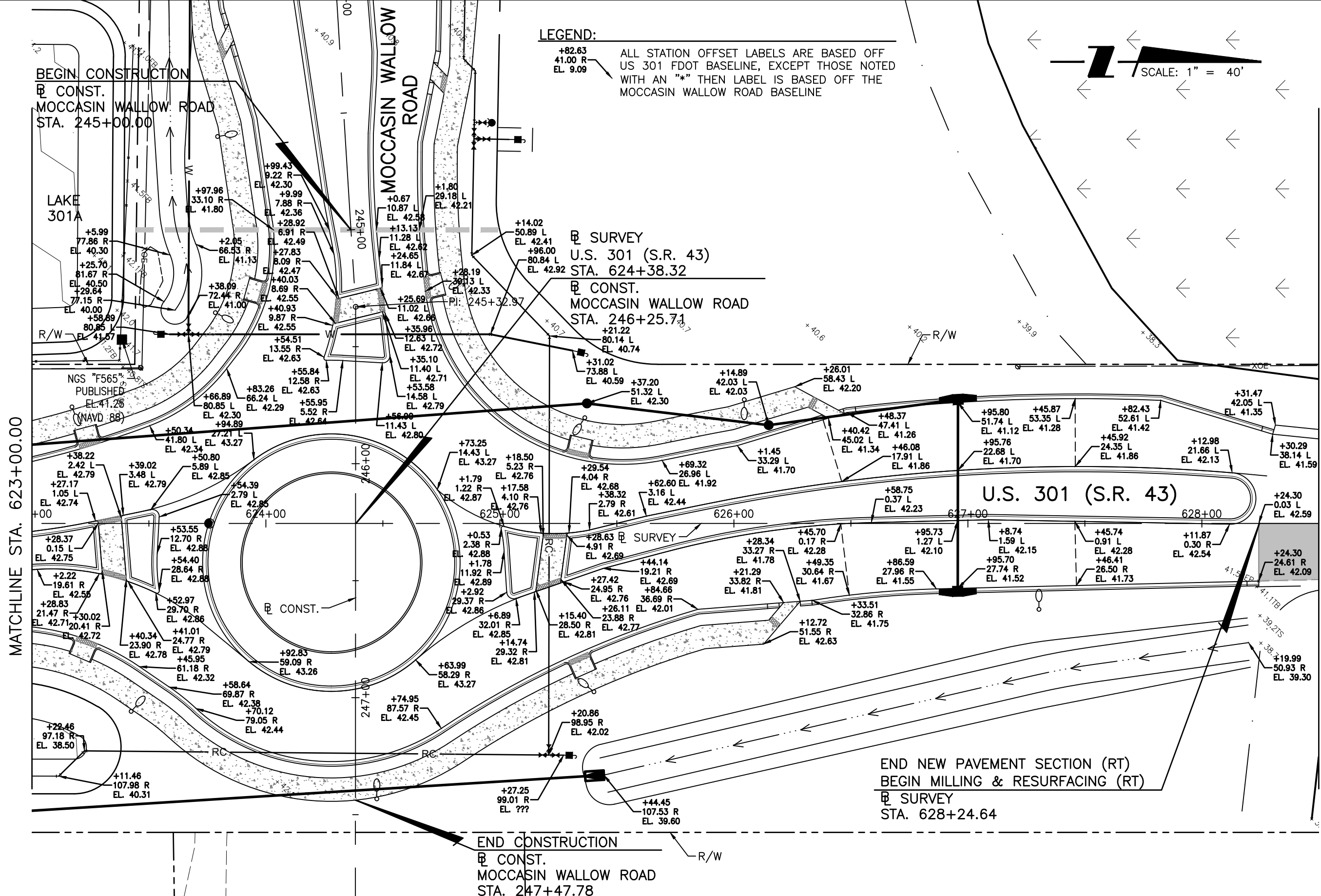
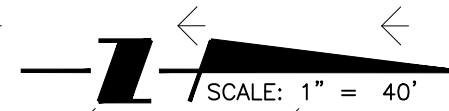
ROADWAY OFFSET PLANS (1)

SHEET NO.
14

LEGEND:

+82.63
41.00 R
EL. 9.09

ALL STATION OFFSET LABELS ARE BASED OFF US 301 FDOT BASELINE, EXCEPT THOSE NOTED WITH AN "*" THEN LABEL IS BASED OFF THE MOCCASIN WALLOW ROAD BASELINE



MATCHLINE STA. 623+00.00

MATCHLINE STA. 628+50.00

END NEW PAVEMENT SECTION (RT)
BEGIN MILLING & RESURFACING (RT)
SURVEY
STA. 628+24.64

END CONSTRUCTION
CONST.
MOCCASIN WALLOW ROAD
STA. 247+47.78

REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROADWAY OFFSET PLANS (2)	SHEET NO. 15
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	STANTEC PROJECT NO.		
				SR 43	215615900		



WETLAND W37

END CONSTRUCTION
 SURVEY
 STA. 630+88.07

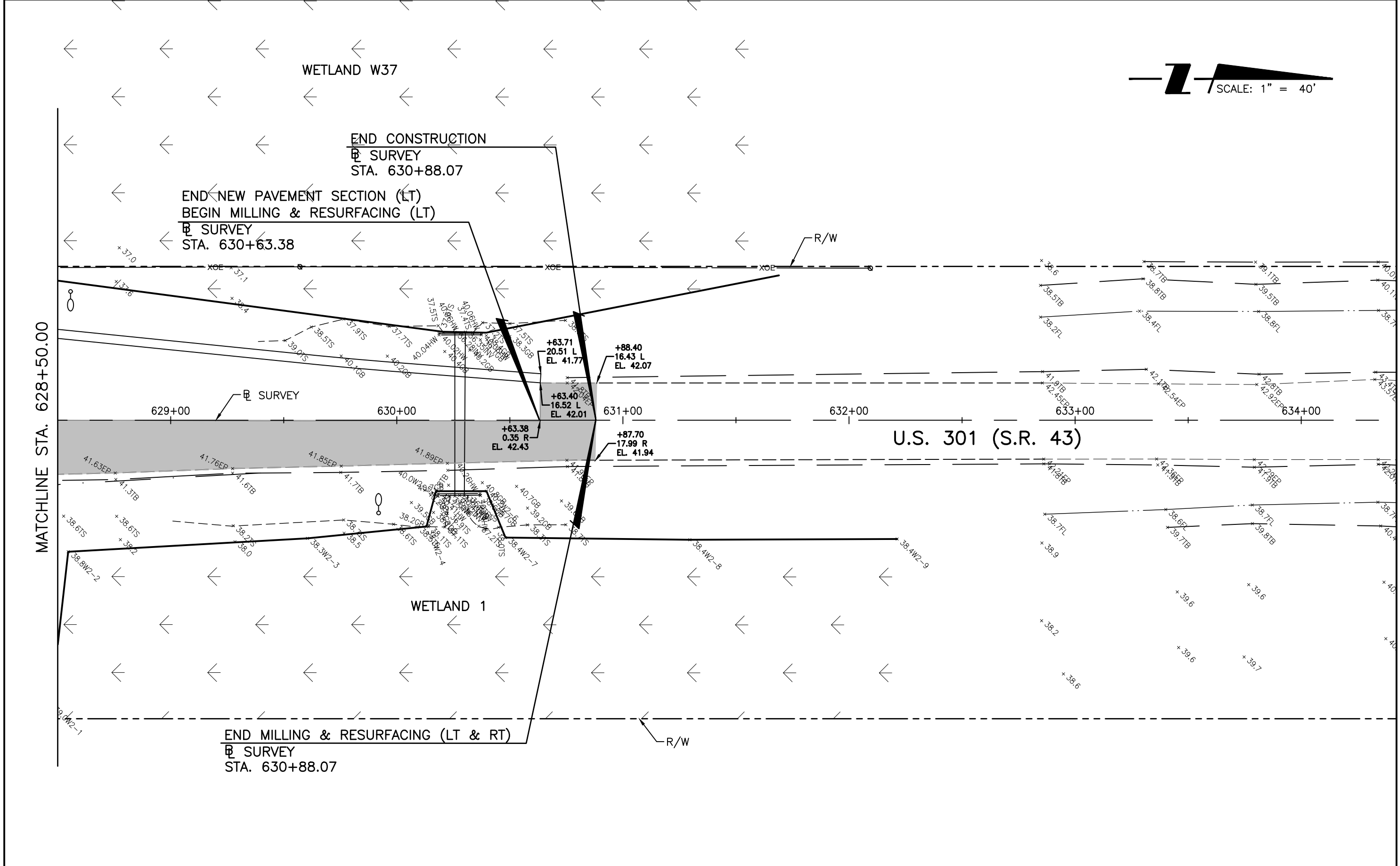
END NEW PAVEMENT SECTION (LT)
 BEGIN MILLING & RESURFACING (LT)
 SURVEY
 STA. 630+63.38

MATCHLINE STA. 628+50.00

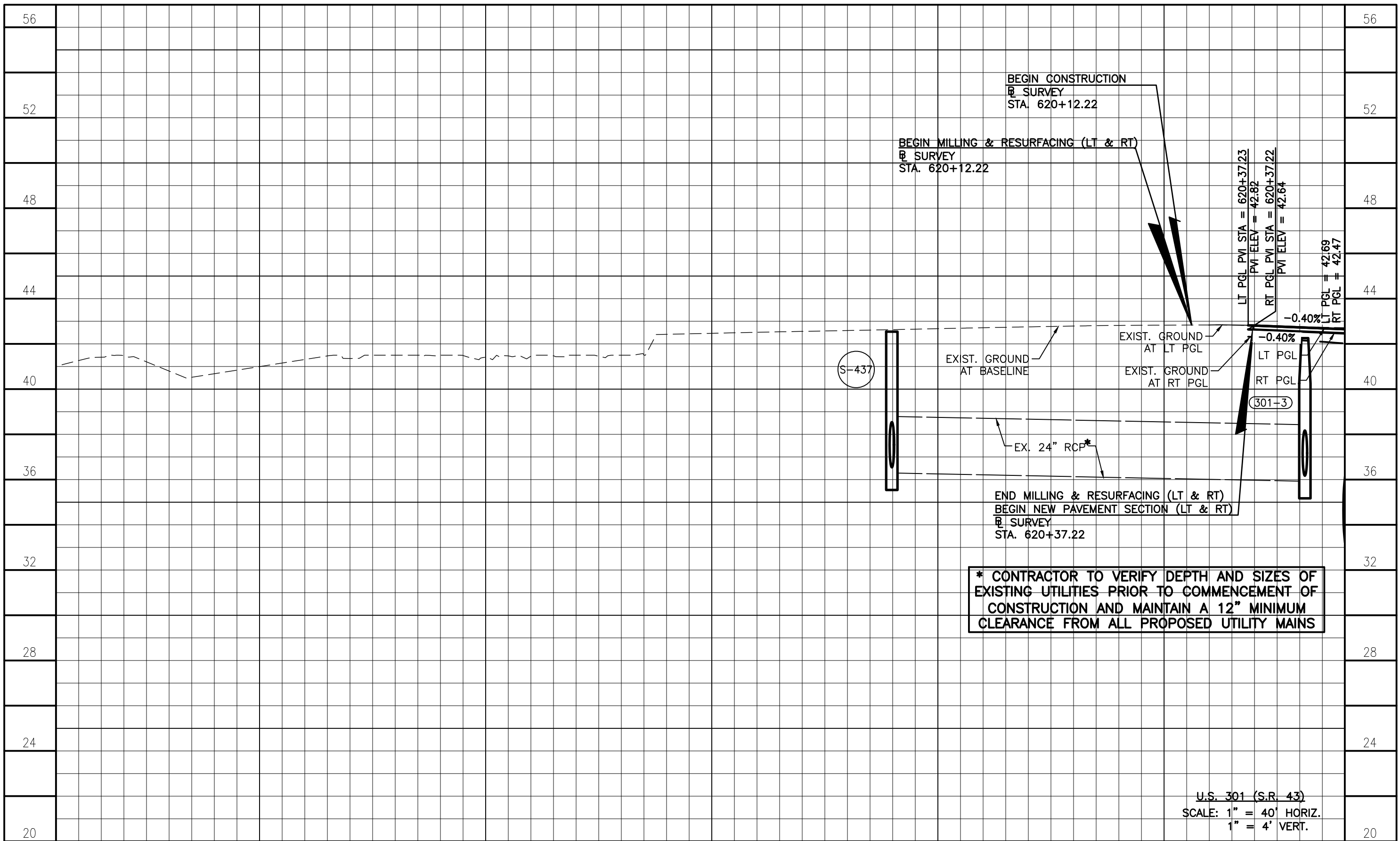
U.S. 301 (S.R. 43)

WETLAND 1

END MILLING & RESURFACING (LT & RT)
 SURVEY
 STA. 630+88.07



REVISIONS				STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY OFFSET PLANS (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	STANTEC PROJECT NO.		
					SR 43	MANATEE COUNTY	215615900		



616+00

617+00

618+00

619+00

620+00

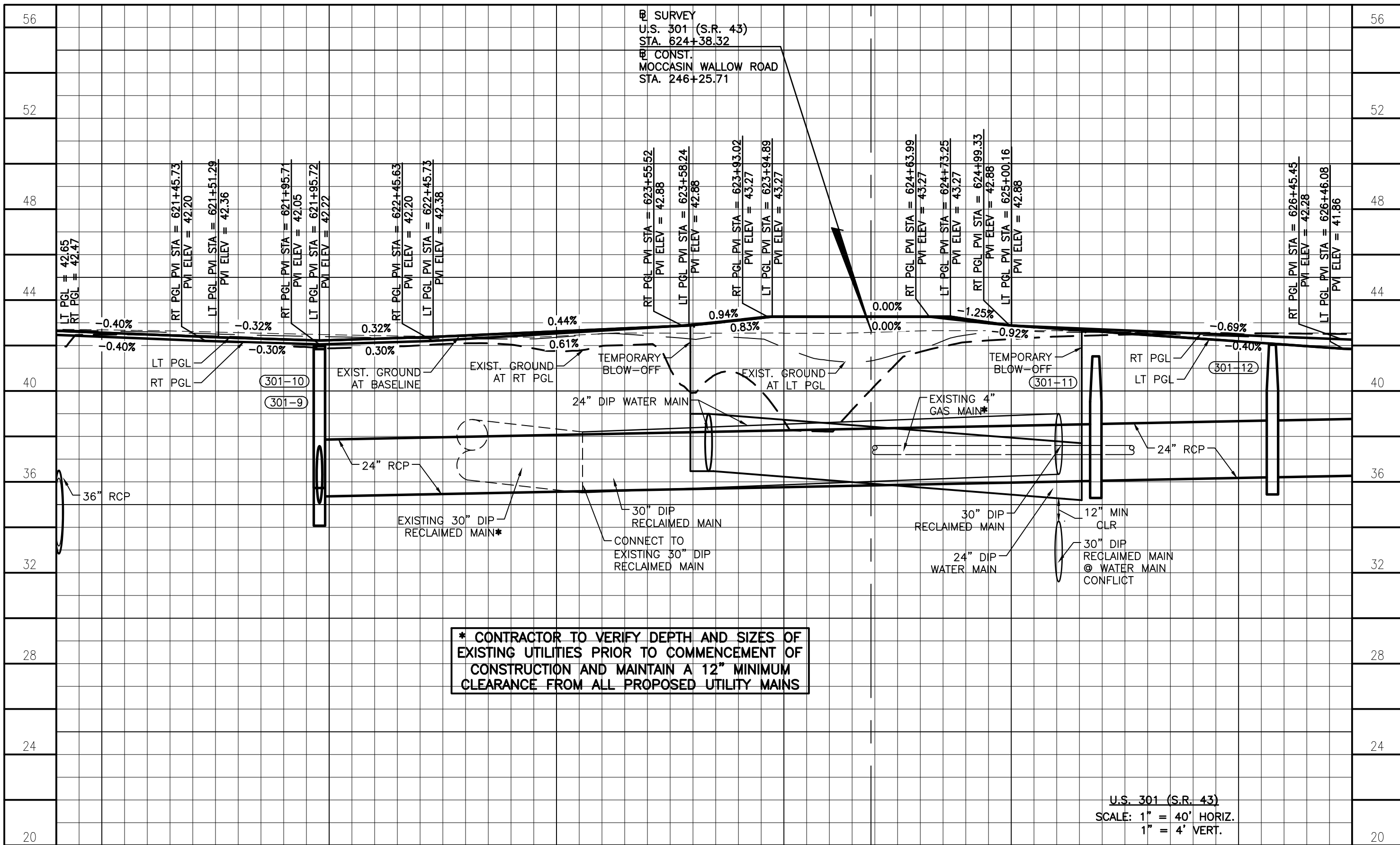
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

ROADWAY PROFILES (1)

SHEET NO.
 17



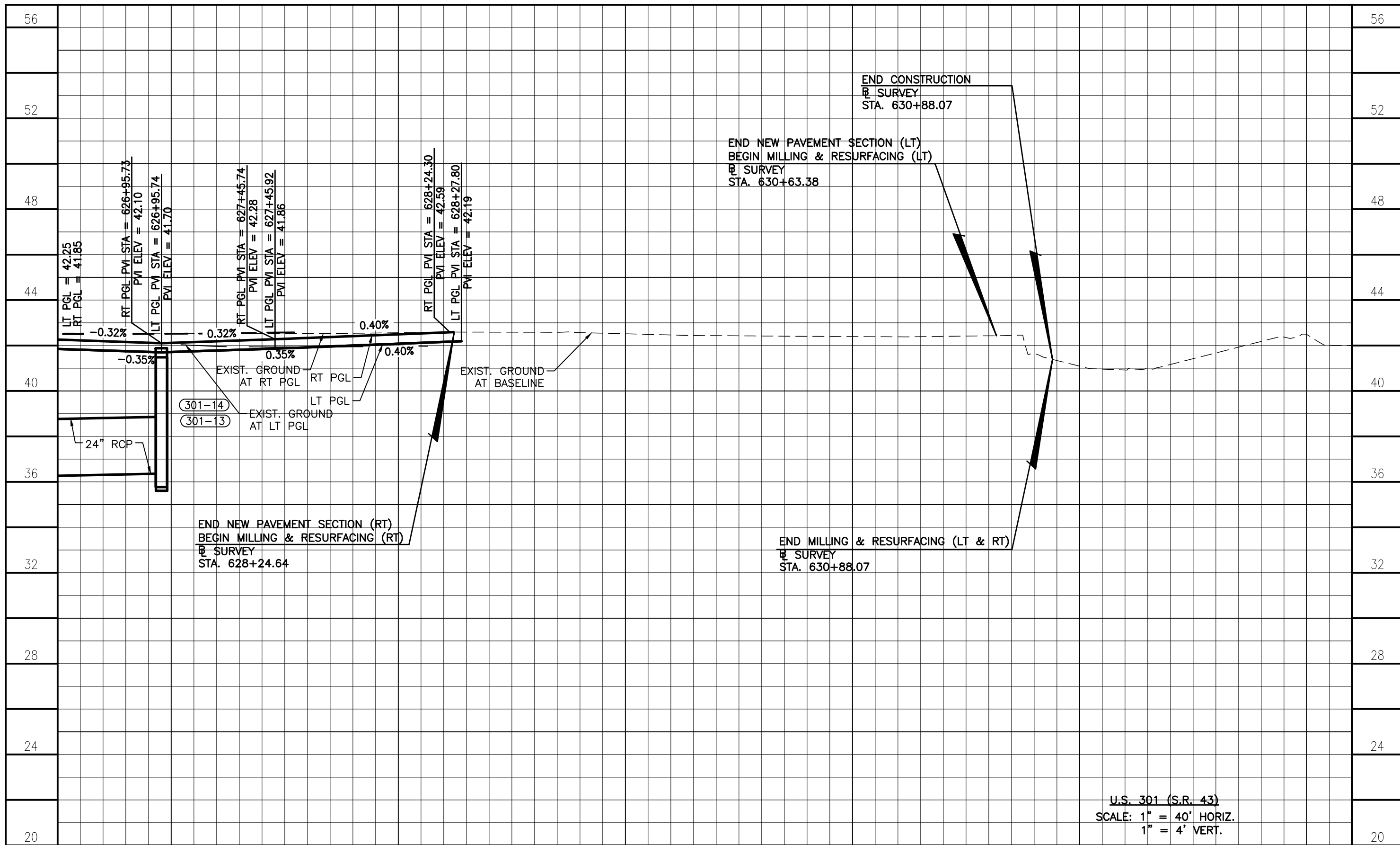
SURVEY
 U.S. 301 (S.R. 43)
 STA. 624+38.32
 CONST.
 MOCCASIN WALLOW ROAD
 STA. 246+25.71

* CONTRACTOR TO VERIFY DEPTH AND SIZES OF
 EXISTING UTILITIES PRIOR TO COMMENCEMENT OF
 CONSTRUCTION AND MAINTAIN A 12" MINIMUM
 CLEARANCE FROM ALL PROPOSED UTILITY MAINS

U.S. 301 (S.R. 43)
 SCALE: 1" = 40' HORIZ.
 1" = 4' VERT.

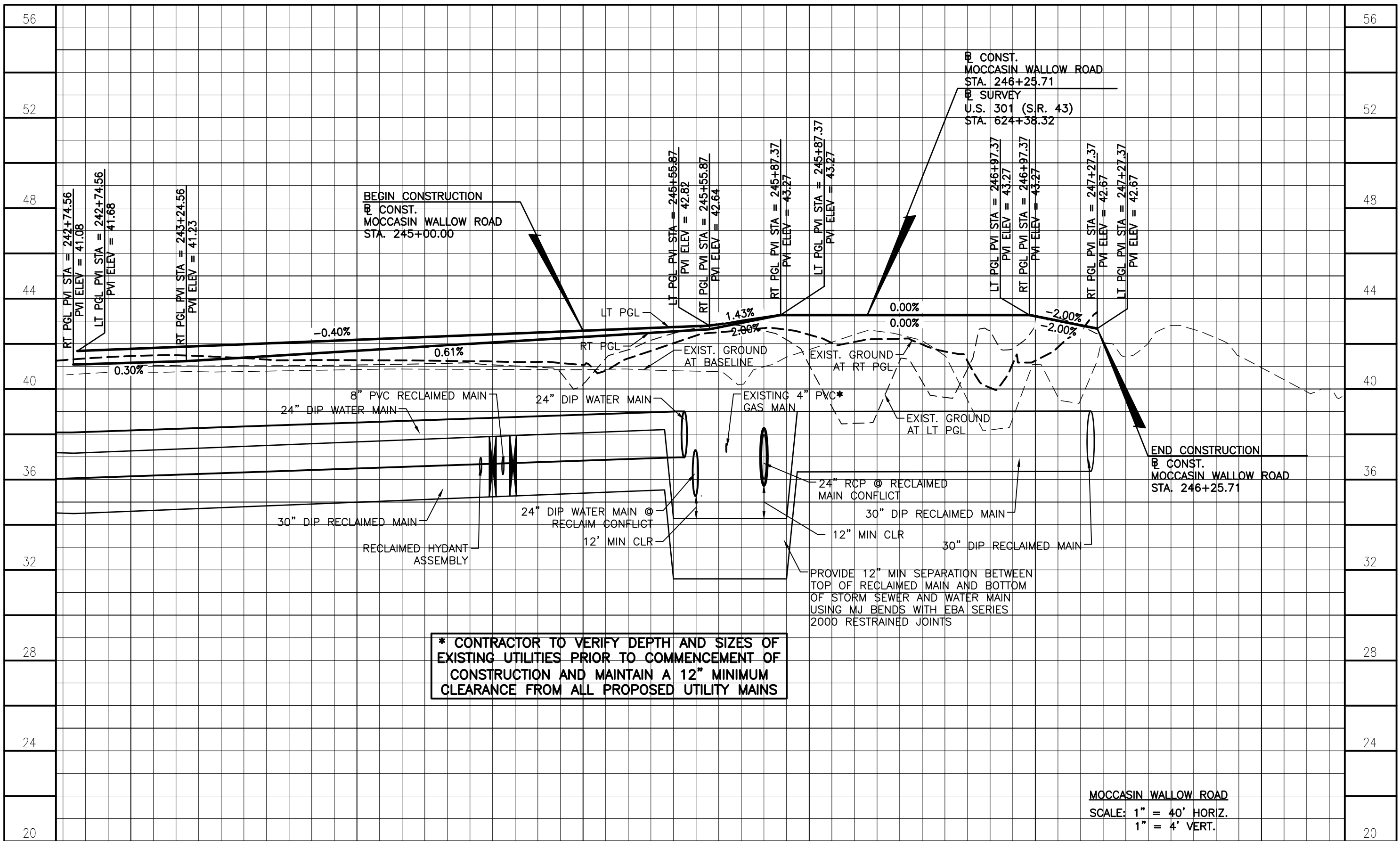
621+00		622+00		623+00		624+00		625+00		626+00			
REVISIONS DATE DESCRIPTION DATE DESCRIPTION				STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY STANTEC PROJECT NO. SR 43 MANATEE COUNTY 215615900				SHEET NO. 18	

ROADWAY PROFILES (2)



U.S. 301 (S.R. 43)
 SCALE: 1" = 40' HORIZ.
 1" = 4' VERT.

627+00	628+00	629+00	630+00	631+00	632+00																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS		DATE	DESCRIPTION			STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</th> </tr> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>STANTEC PROJECT NO.</th> </tr> </thead> <tbody> <tr> <td>SR 43</td> <td>MANATEE COUNTY</td> <td>215615900</td> </tr> </tbody> </table>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROAD NO.	COUNTY	STANTEC PROJECT NO.	SR 43	MANATEE COUNTY	215615900	ROADWAY PROFILES (3)	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SHEET NO.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">19</td> </tr> </tbody> </table>	SHEET NO.	19
REVISIONS																						
DATE	DESCRIPTION																					
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION																						
ROAD NO.	COUNTY	STANTEC PROJECT NO.																				
SR 43	MANATEE COUNTY	215615900																				
SHEET NO.																						
19																						



*** CONTRACTOR TO VERIFY DEPTH AND SIZES OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION AND MAINTAIN A 12" MINIMUM CLEARANCE FROM ALL PROPOSED UTILITY MAINS**

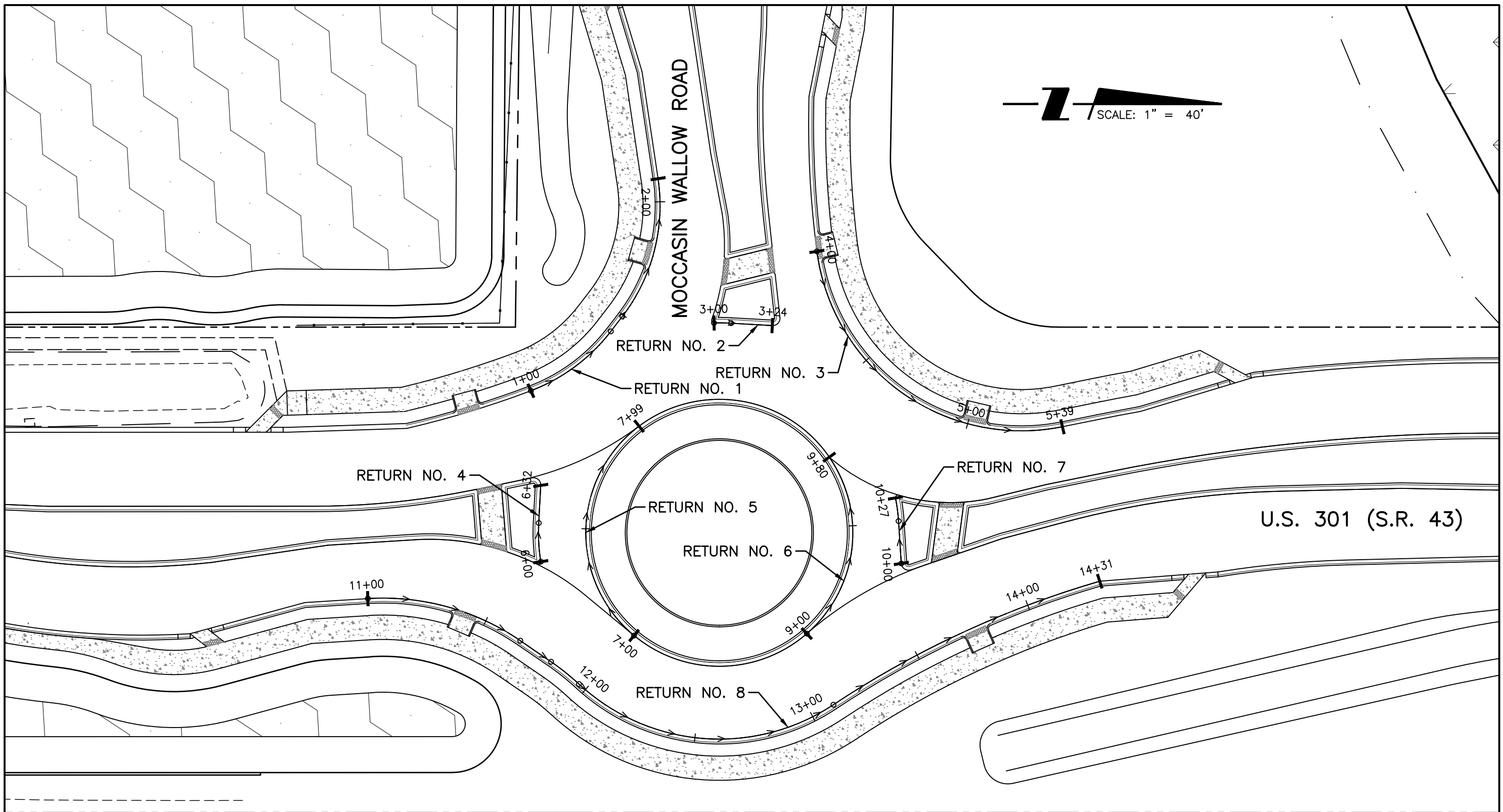
MOCCASIN WALLOW ROAD
SCALE: 1" = 40' HORIZ.
1" = 4' VERT.

243+00	244+00	245+00	246+00	247+00	248+00																
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS		DATE	DESCRIPTION			STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</th> </tr> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>STANTEC PROJECT NO.</th> </tr> <tr> <td>SR 43</td> <td>MANATEE COUNTY</td> <td>215615900</td> </tr> </table>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROAD NO.	COUNTY	STANTEC PROJECT NO.	SR 43	MANATEE COUNTY	215615900	ROADWAY PROFILES (4)		SHEET NO. 20
REVISIONS																					
DATE	DESCRIPTION																				
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION																					
ROAD NO.	COUNTY	STANTEC PROJECT NO.																			
SR 43	MANATEE COUNTY	215615900																			



MOCCASIN WALLOW ROAD

U.S. 301 (S.R. 43)



LEGEND:

→.....→..... DIRECTION OF PROFILE

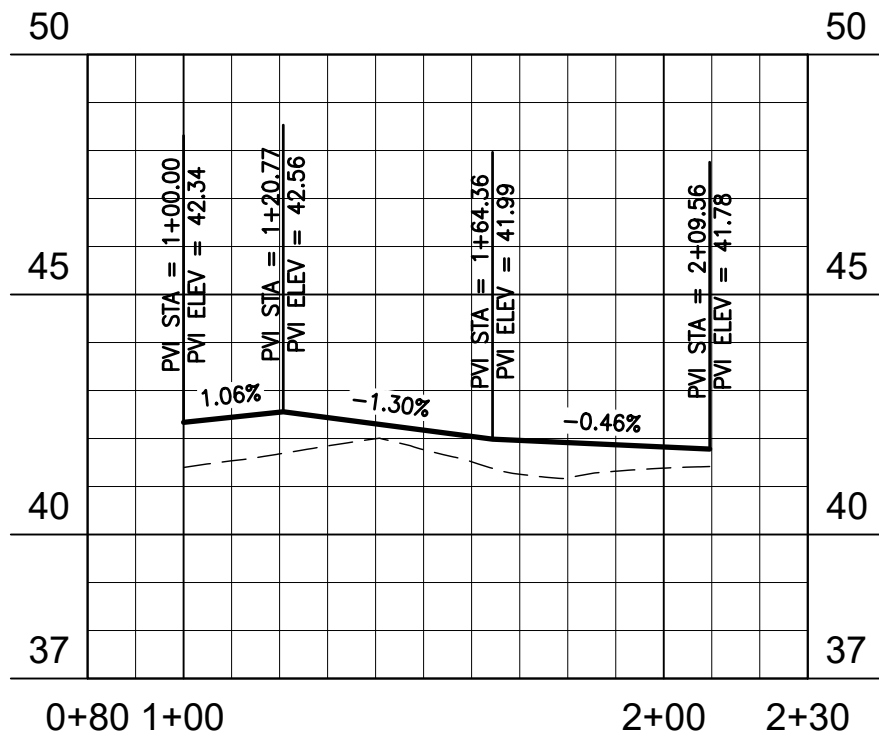
REVISIONS	
DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

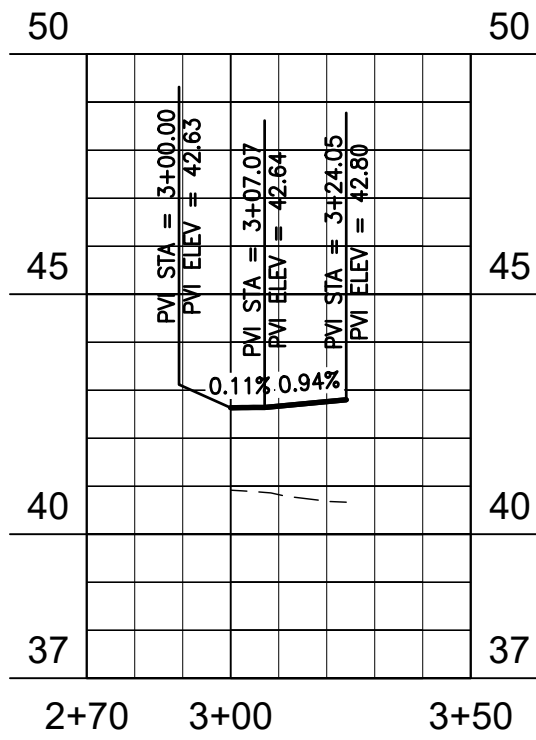
CURB RETURN PROFILE PLAN

SHEET NO.
21



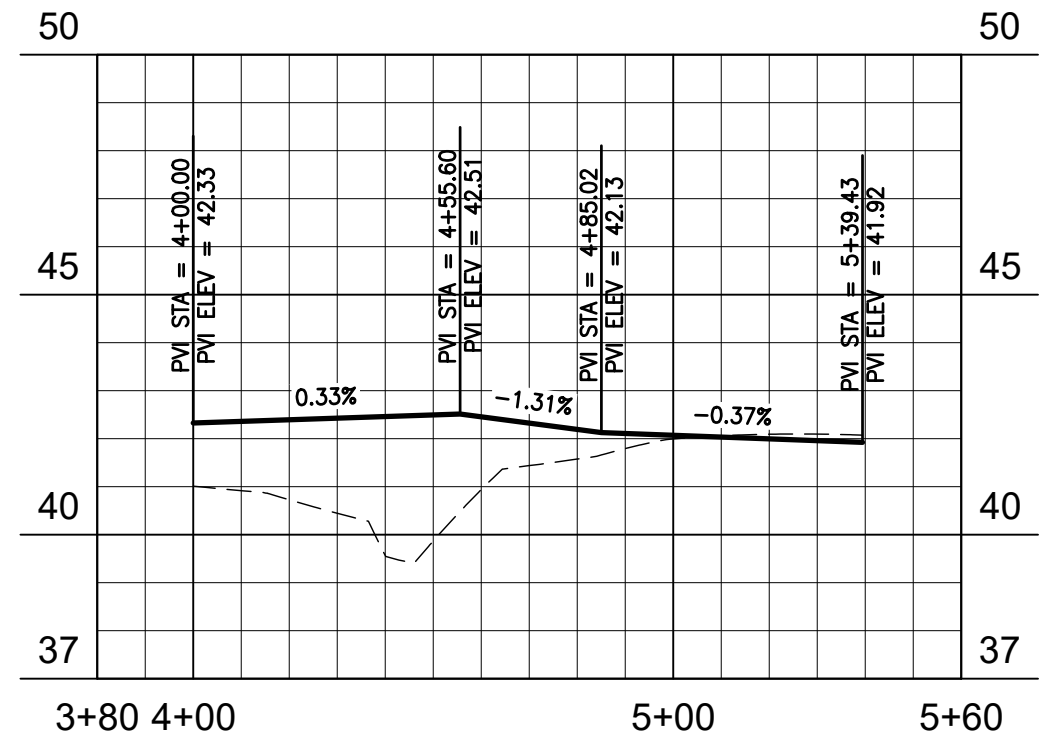
RETURN NO. 1 PROFILE

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1" = 4' VERT.



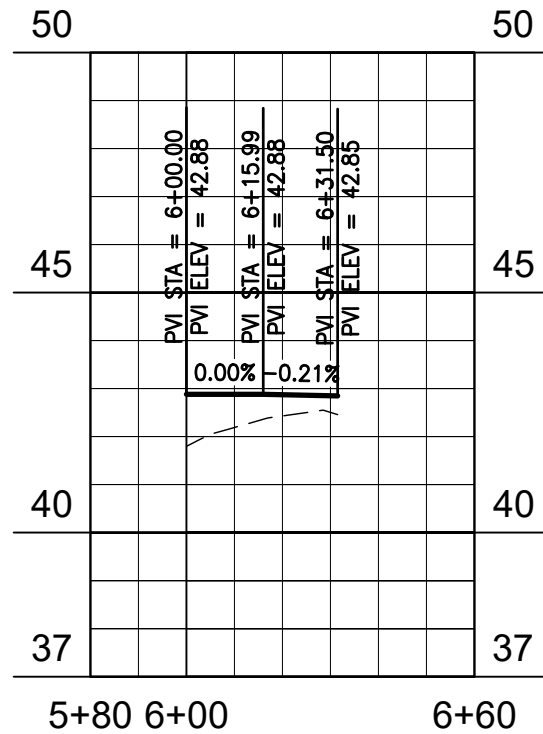
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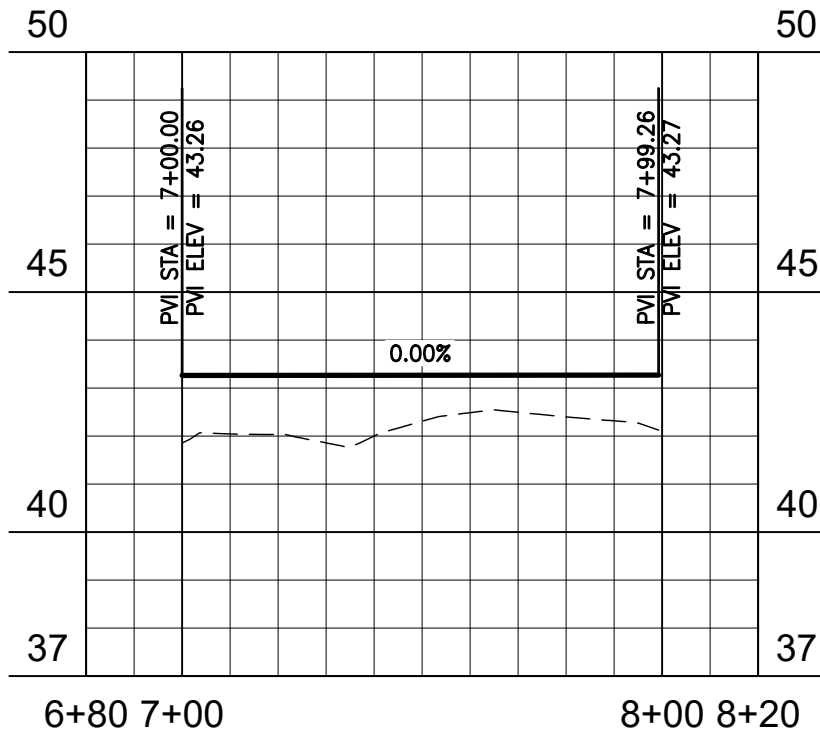
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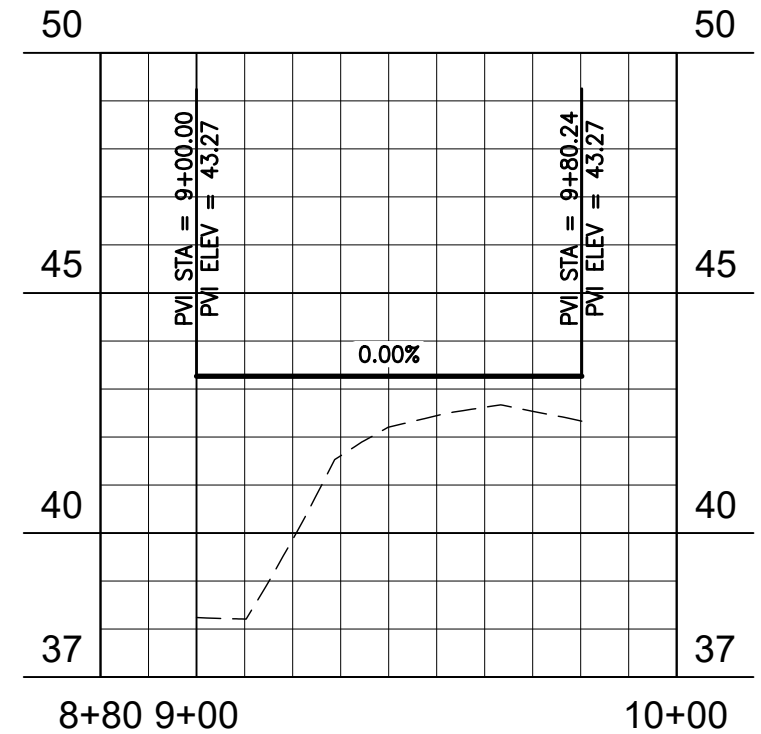
RETURN NO. 4 PROFILE

SCALE: 1" = 40' HORZ.
1" = 4' VERT.



RETURN NO. 5 PROFILE

SCALE: 1" = 40' HORZ.
1" = 4' VERT.

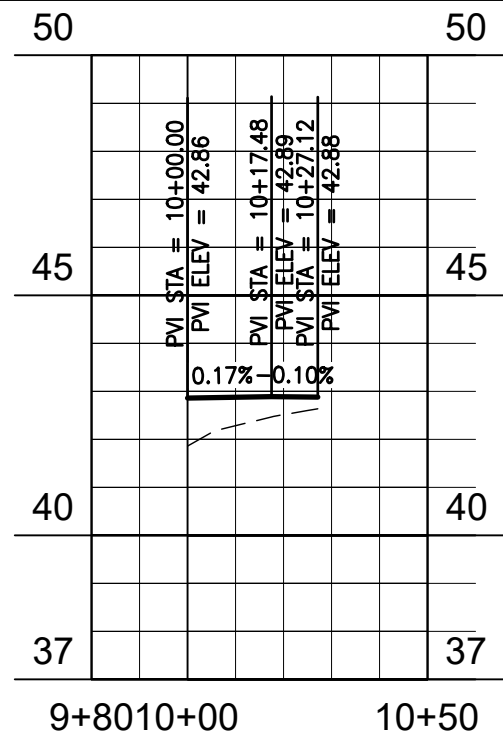


RETURN NO. 6 PROFILE

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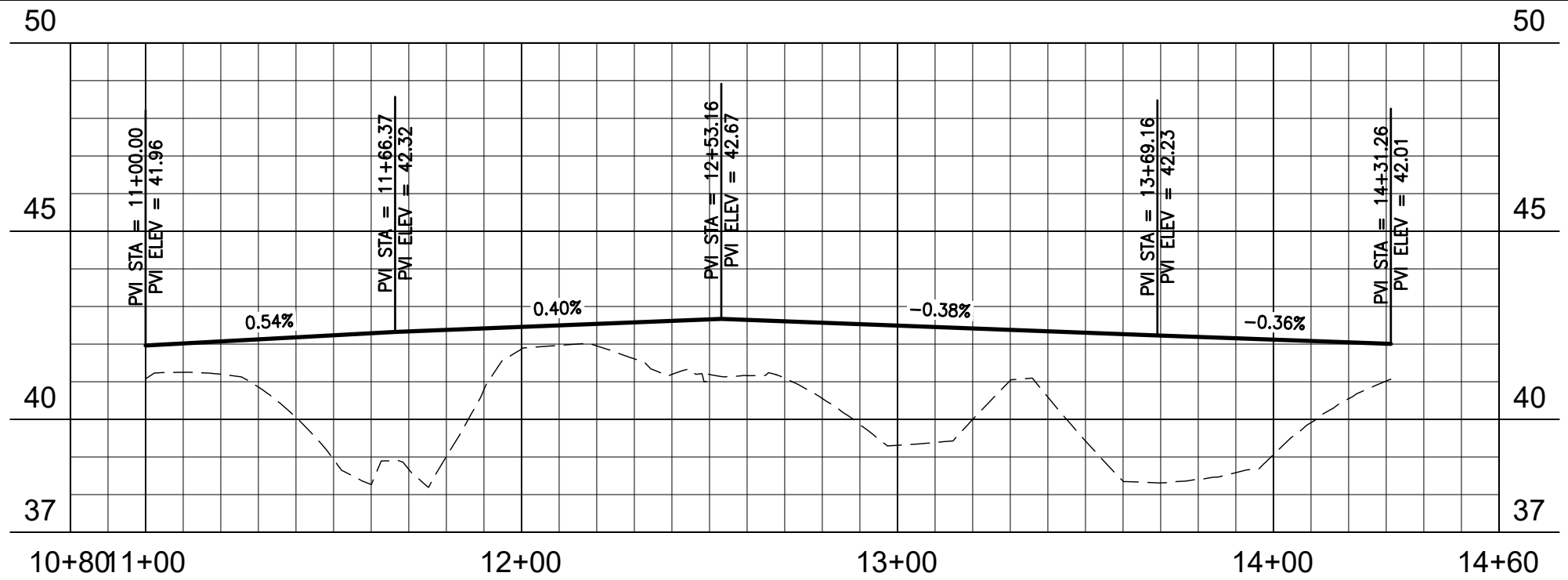
REVISIONS				STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	STANTEC PROJECT NO.	
					SR 43	MANATEE COUNTY	215615900	

CURB RETURN PROFILE (1)



RETURN NO. 7 PROFILE

SCALE: 1" = 40' HORZ.
1" = 4' VERT.

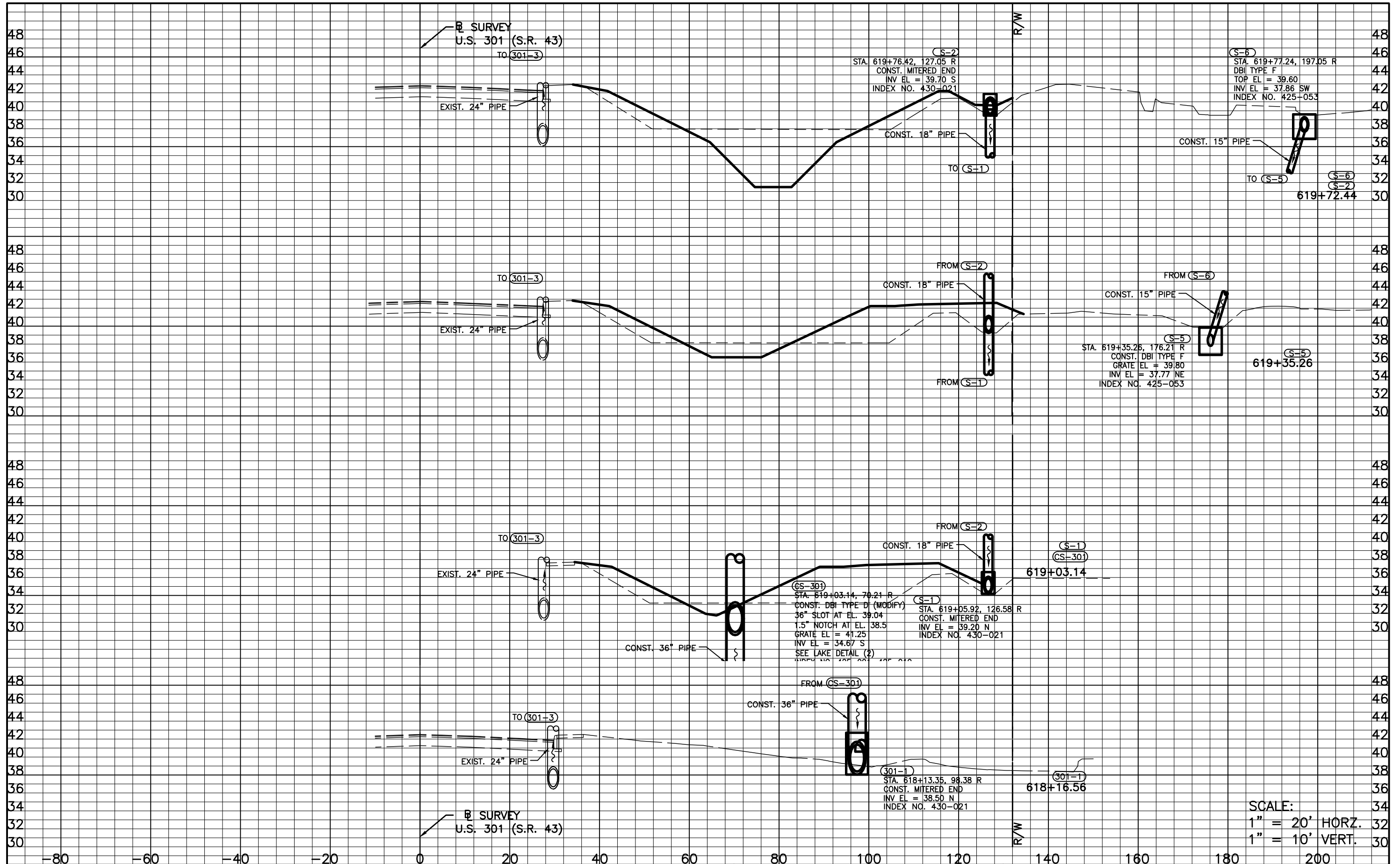


RETURN NO. 8 PROFILE

SCALE: 1" = 40' HORZ.
1" = 4' VERT.

REVISIONS				STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 23
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	STANTEC PROJECT NO.	
					SR 43	MANATEE COUNTY	215615900	

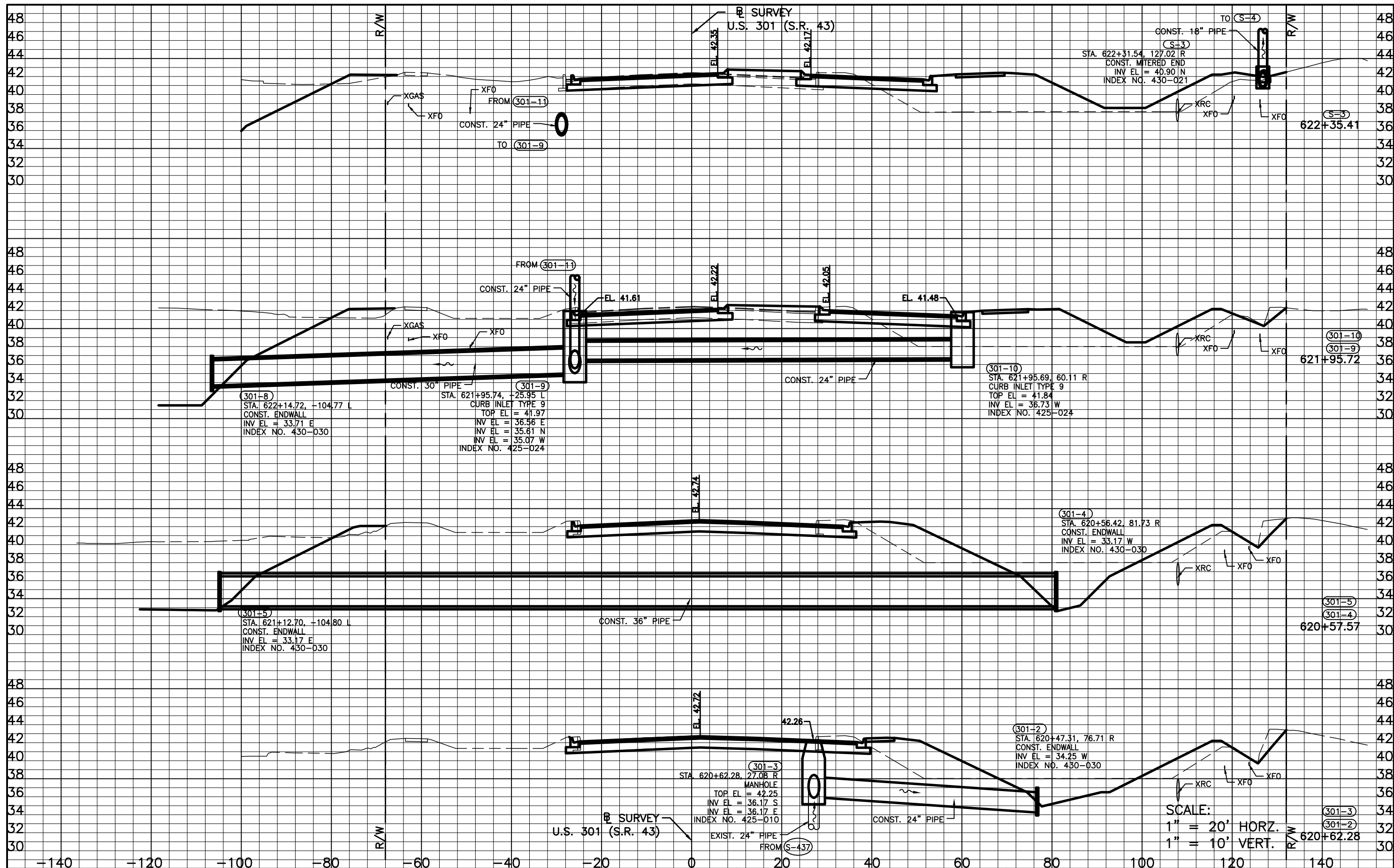
CURB RETURN PROFILE (2)



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

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE STRUCTURES (1)	SHEET NO. 24
ROAD NO.	COUNTY	STANTEC PROJECT NO.					
SR 43	MANATEE COUNTY	215615900					



REVISIONS	
DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

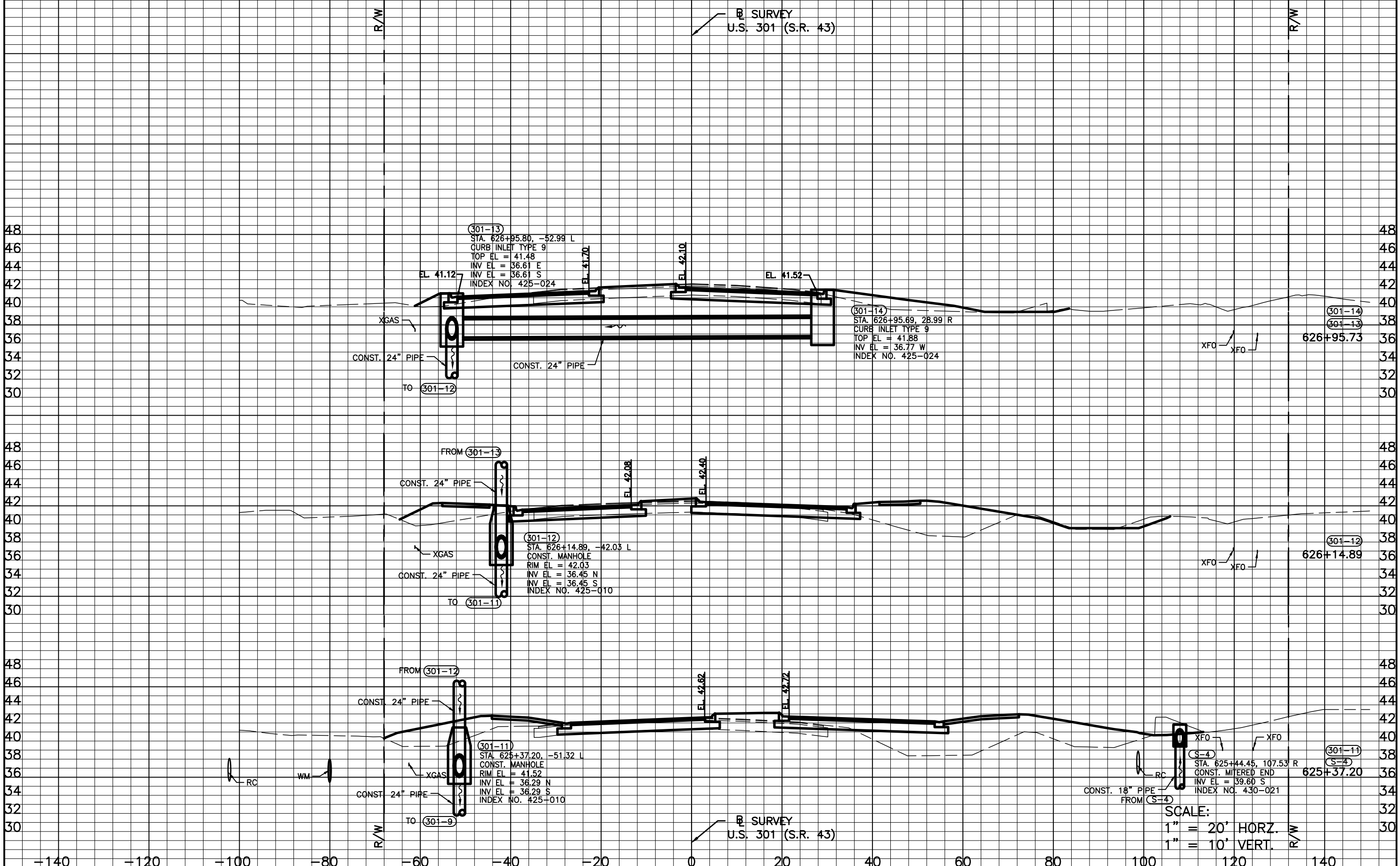
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

DRAINAGE STRUCTURES (2)

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

SHEET NO.
25

SURVEY
U.S. 301 (S.R. 43)



SURVEY
U.S. 301 (S.R. 43)

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

REVISIONS	
DATE	DESCRIPTION

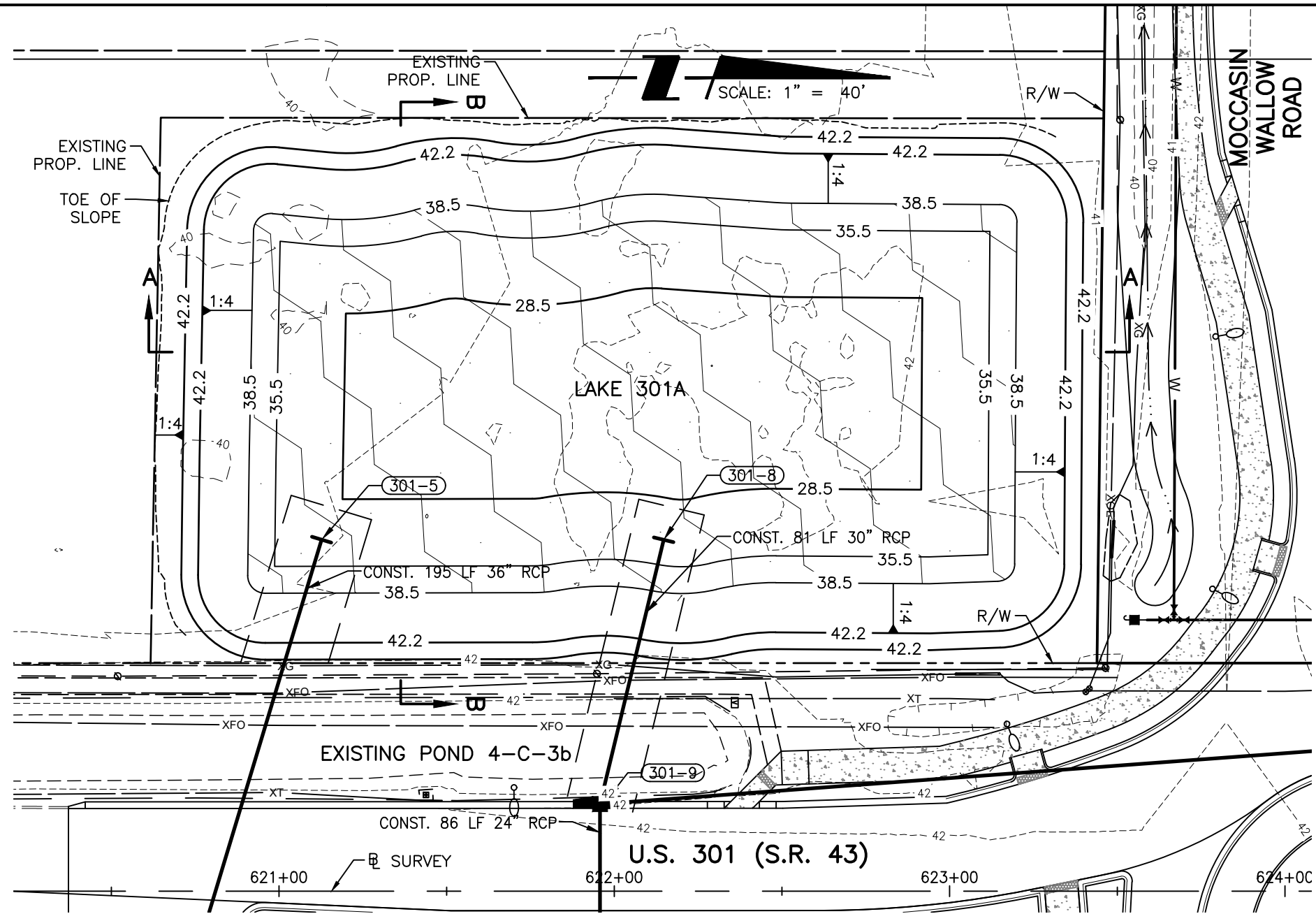
STANTEC CONSULTING SERVICES, INC.
6920 PROFESSIONAL PARKWAY EAST
SARASOTA, FLORIDA 34240-8414
FBPE CERT. OF AUTH NO. 27013

ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

DRAINAGE STRUCTURES (3)

SHEET NO.
26



SCALE: 1" = 40'

MOCCASIN
WALLOW
ROAD

LAKE 301A

EXISTING POND 4-C-3b

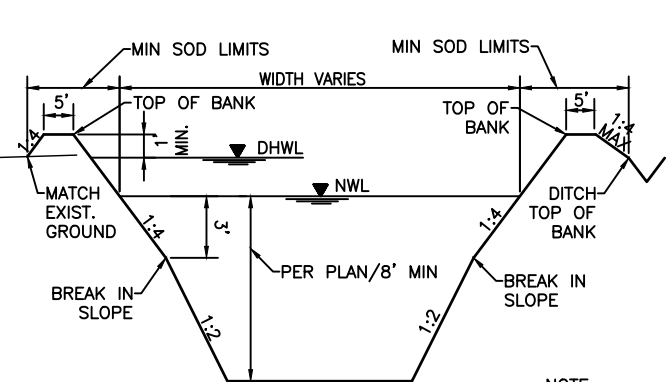
U.S. 301 (S.R. 43)

621+00

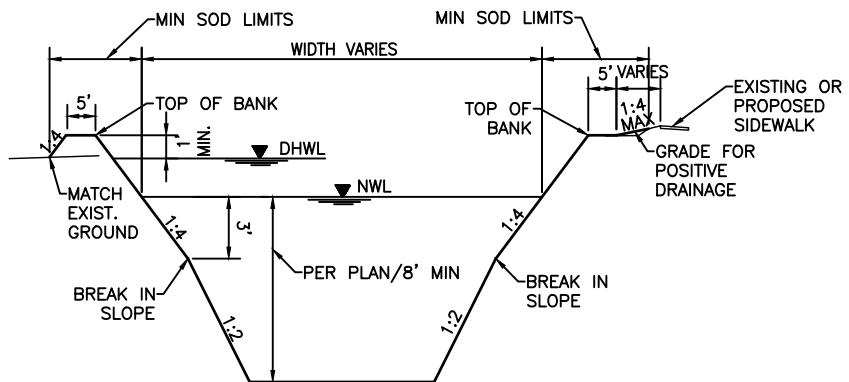
622+00

623+00

624+00



**LAKE 301A
SECTION A-A**
N.T.S.

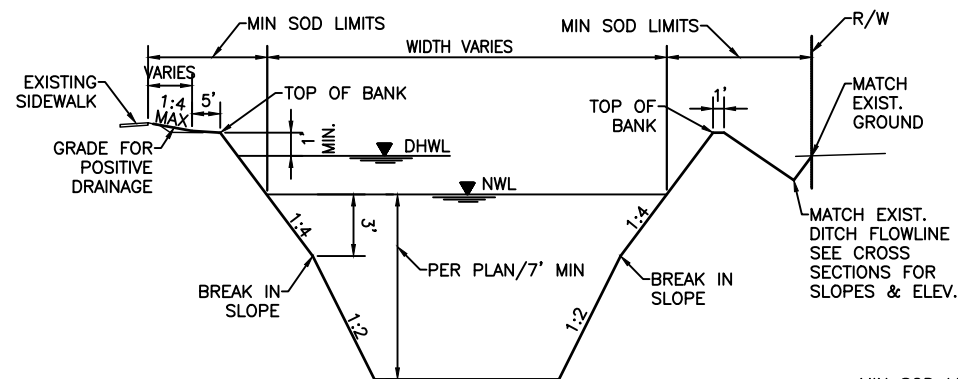
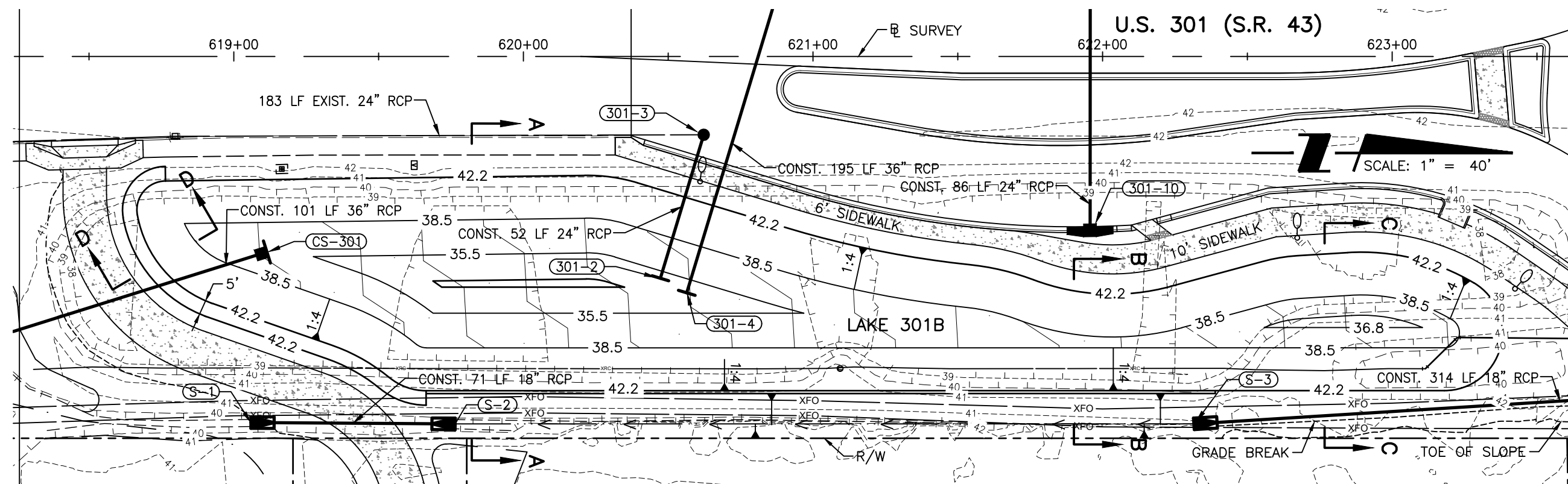


**LAKE 301A
SECTION B-B**
N.T.S.

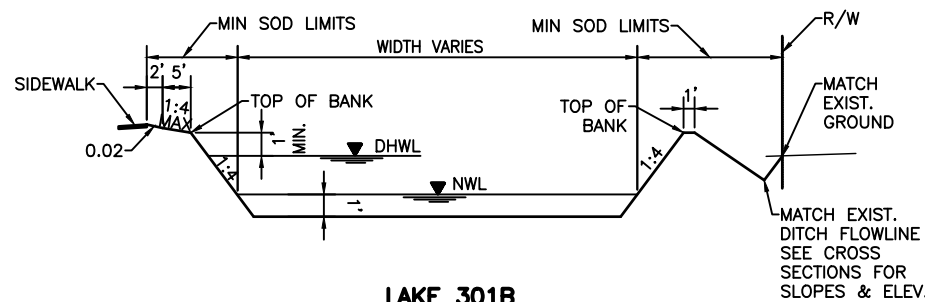
NOTE:
IN THE EVENT UNSUITABLE MATERIAL IS
ENCOUNTERED PLEASE REFER TO FDOT
STANDARD PLANS 120-001 AND 120-002
FOR THE PROPER REMOVAL

LAKE 301A
 NWL = 38.50
 NWL AREA = 0.66 AC
 10 YR DHWL = 40.29
 25 YR DHWL = 40.57
 50 YR DHWL = 40.84
 100 YR DHWL = 41.08
 TOB = 42.2
 TOB AREA = 0.84 AC

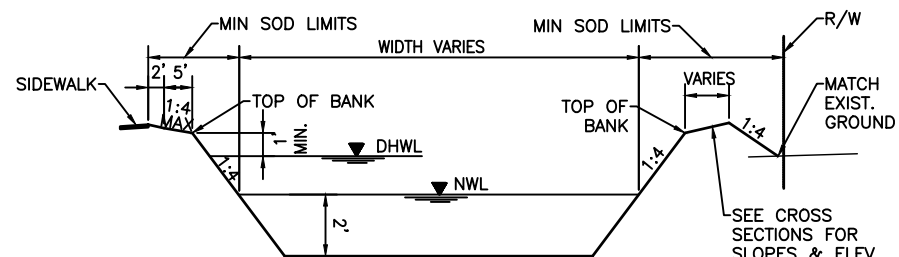
REVISIONS		REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LAKE DETAIL (1)	SHEET NO. 27
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	STANTEC PROJECT NO.		
					SR 43	MANATEE COUNTY	215615900		



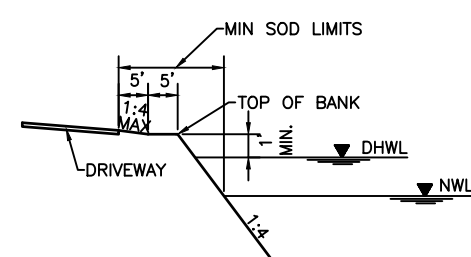
**LAKE 301B
SECTION A-A**
N.T.S.



**LAKE 301B
SECTION B-B**
N.T.S.



**LAKE 301B
SECTION C-C**
N.T.S.



**LAKE 301B
SECTION D-D**
N.T.S.

LAKE 301B
 NWL = 38.50
 NWL AREA = 0.32 AC
 10 YR DHWL = 40.29
 25 YR DHWL = 40.58
 50 YR DHWL = 40.85
 100 YR DHWL = 41.09
 TOB = 42.2
 TOB AREA = 0.56 AC

SUMMARY OF CONTROL STRUCTURE DETAILS													
STRUCTURE NUMBER	ICPR MODEL LINK NAME	LAKE NUMBER	NORMAL WATER LEVEL	TOP GRATE EL.	FL EL. OF NOTCH	WIDTH OF NOTCH (in.)	HEIGHT OF NOTCH (in.)	FL EL. WINDOW (OPPOSITE PIPE SIDE)	WIDTH OF WINDOW (OPPOSITE PIPE SIDE) (in.)	HEIGHT OF WINDOW (OPPOSITE PIPE SIDE) (in.)	DIAMETER OF OUTFALL PIPE (in.)	PIPE FL EL.	SPECIAL REMARKS
CS-301	RD7800C	301A & 301B	38.5	41.25	38.5	1.5	1.5	39.04	36.00	3.00	36	34.67	SKIMMER REQUIRED

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

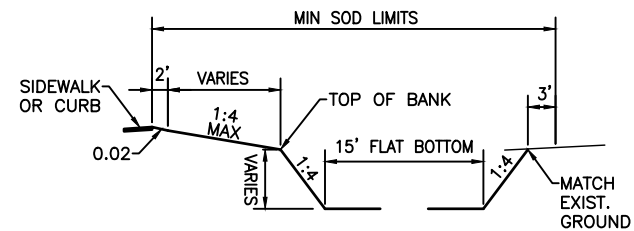
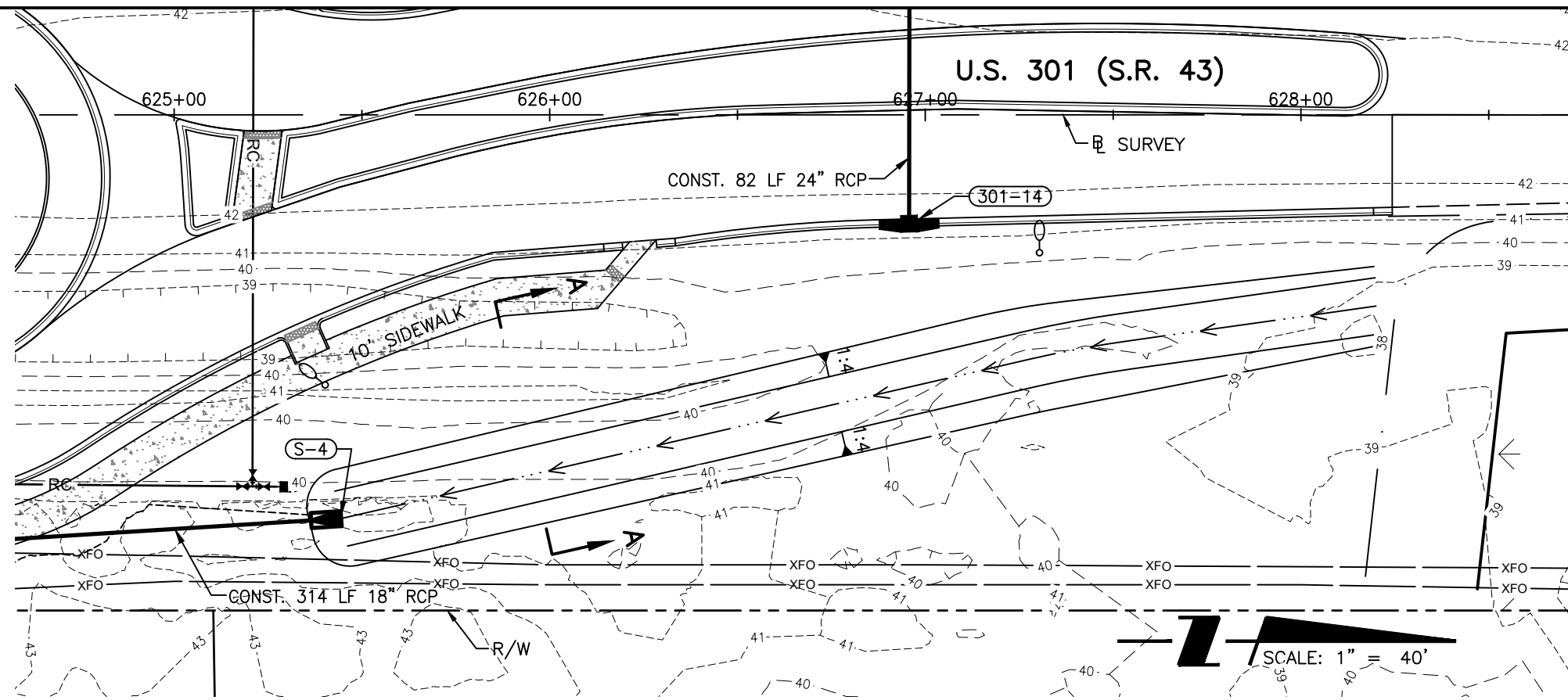
STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

LAKE DETAIL (2)

SHEET NO.

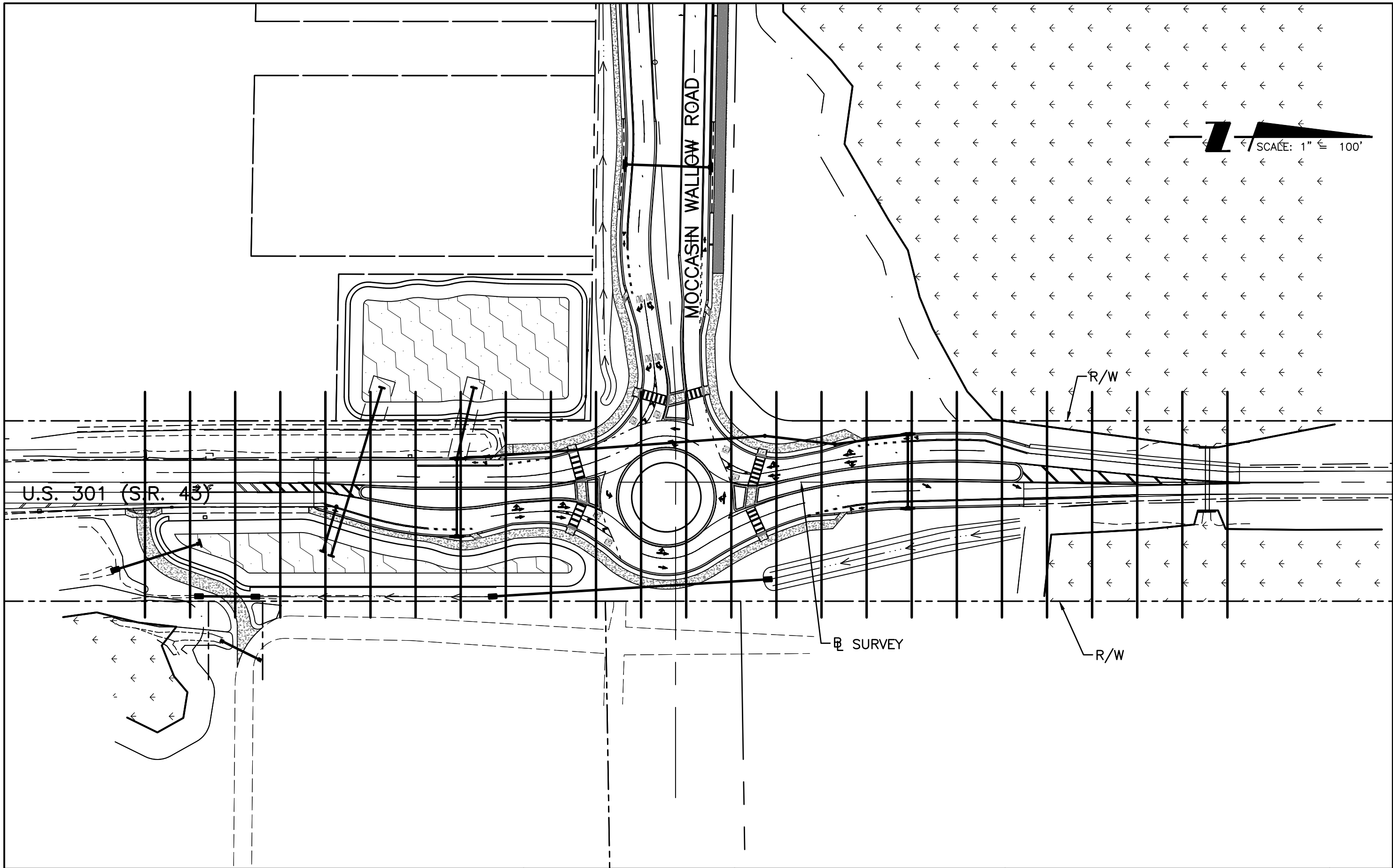
28



**DITCH DETAIL
SECTION A-A**
N.T.S.

SEE CROSS SECTIONS SHEETS FOR
DITCH CROSS SECTIONS

REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	STANTEC PROJECT NO.	
				SR 43	MANATEE COUNTY	215615900	29

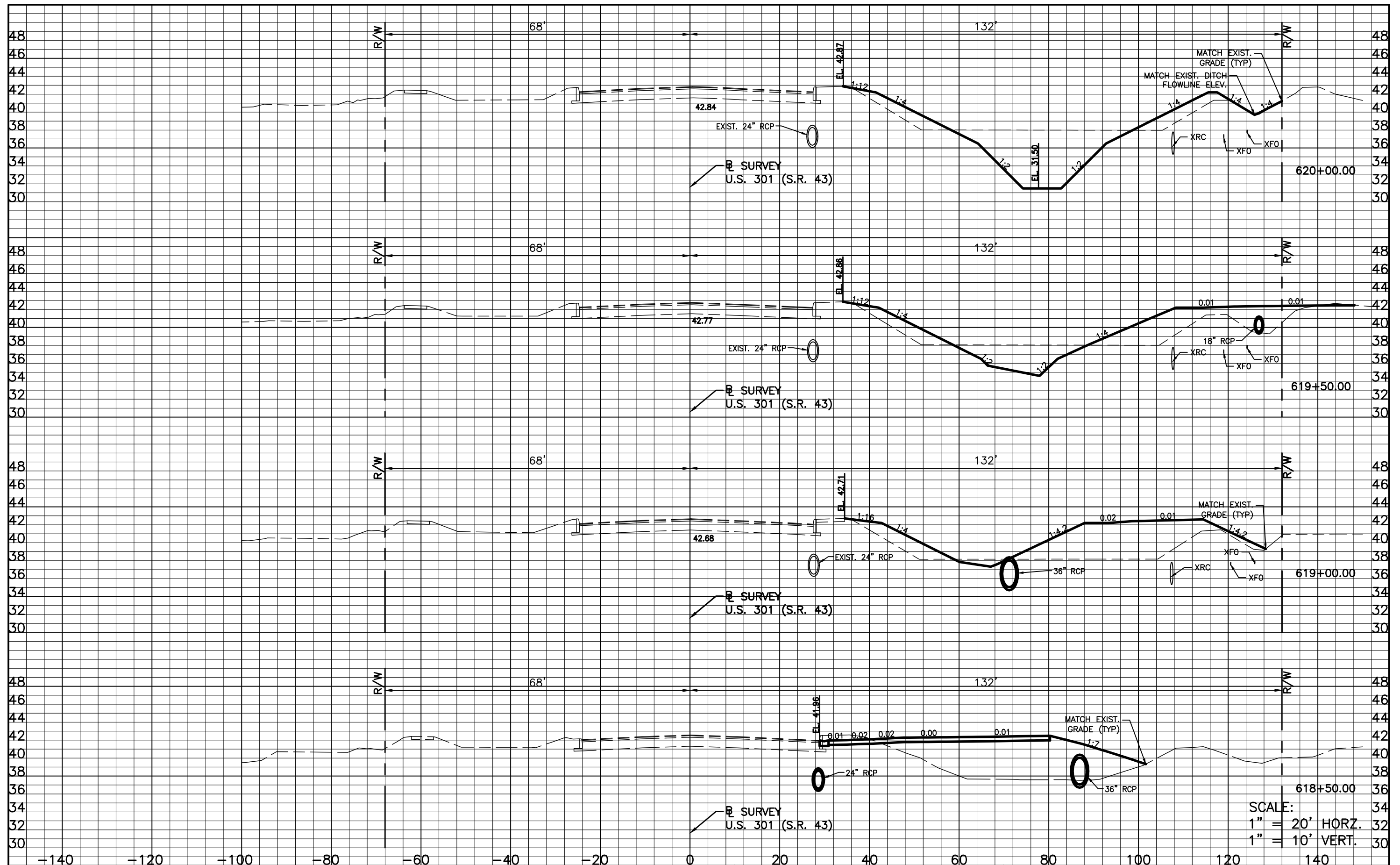


REVISIONS	
DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

CROSS SECTION PATTERN LAYOUT
 SHEET NO.
 30



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

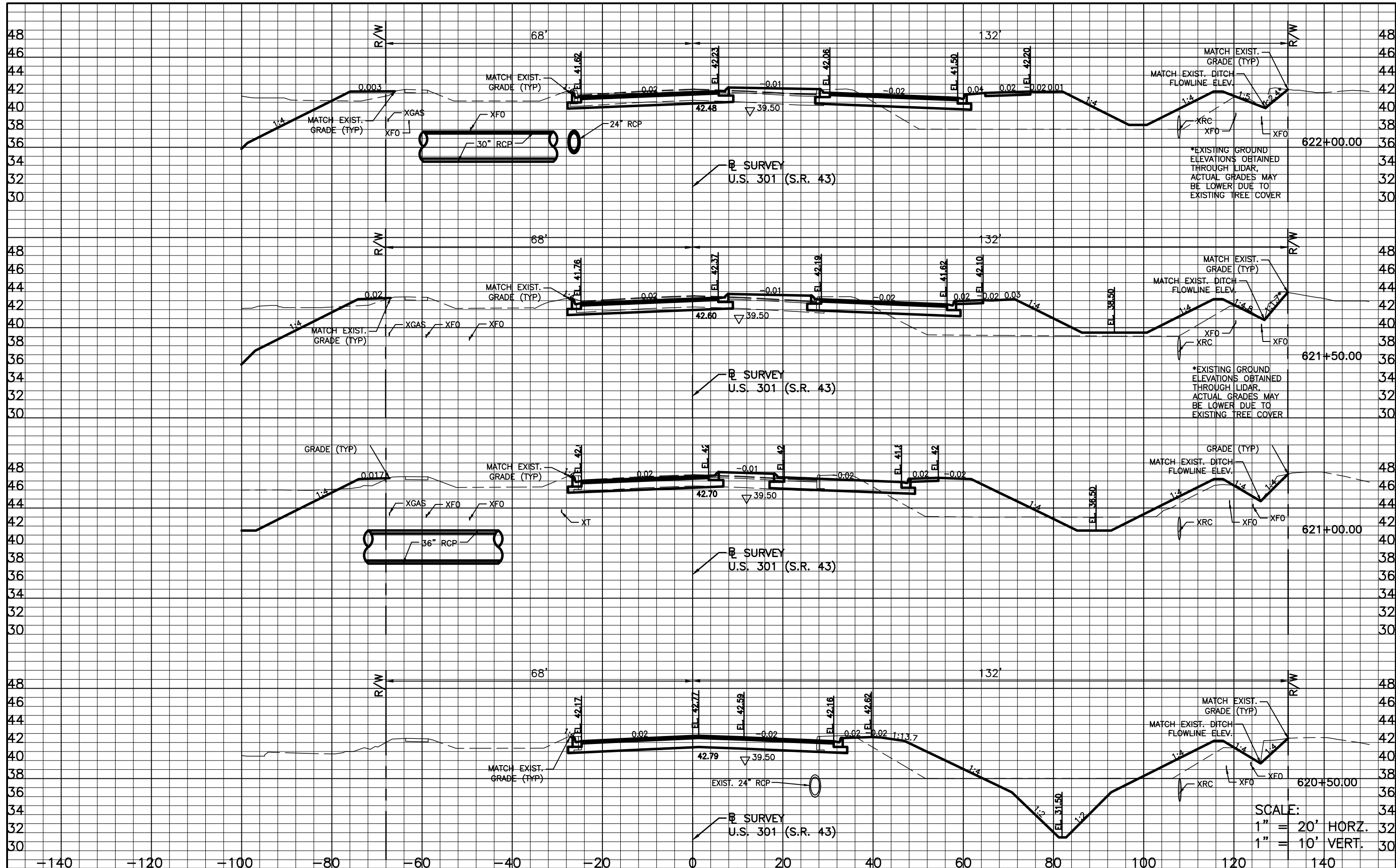
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

CROSS SECTION (1)

SHEET NO.
31



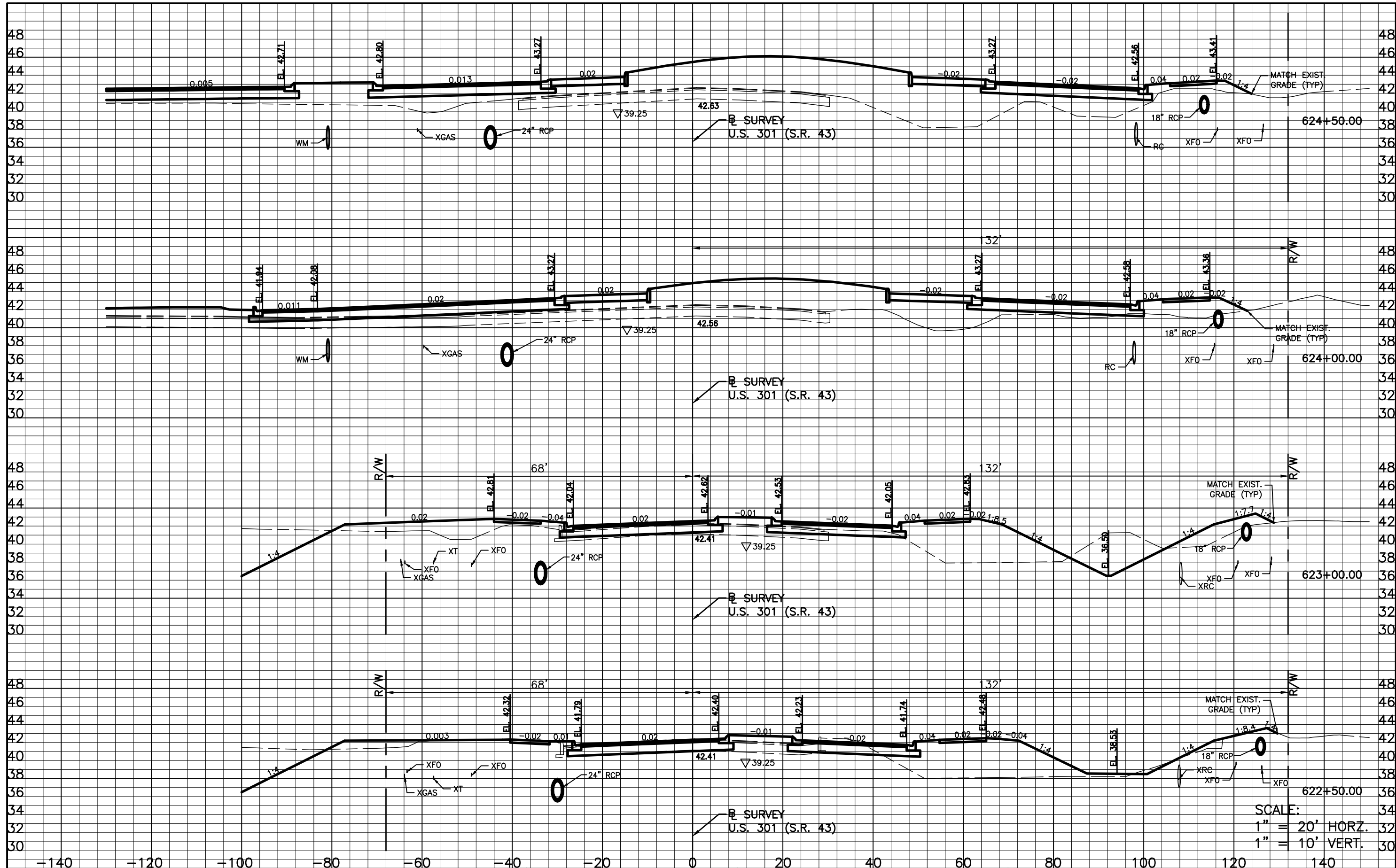
REVISIONS	
DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

CROSS SECTION (2)

SHEET NO.
32



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

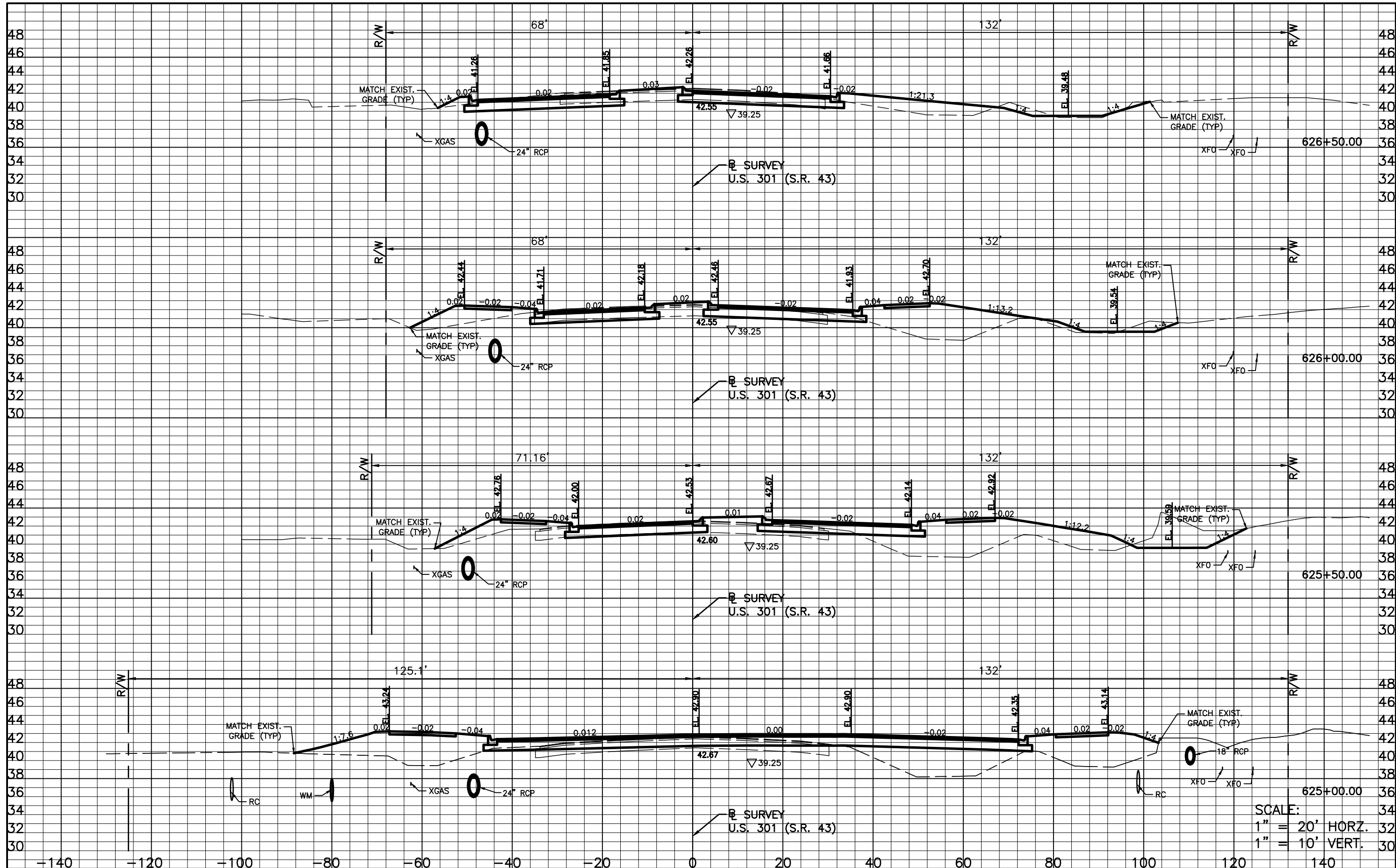
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

CROSS SECTION (3)

SHEET NO.
33



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

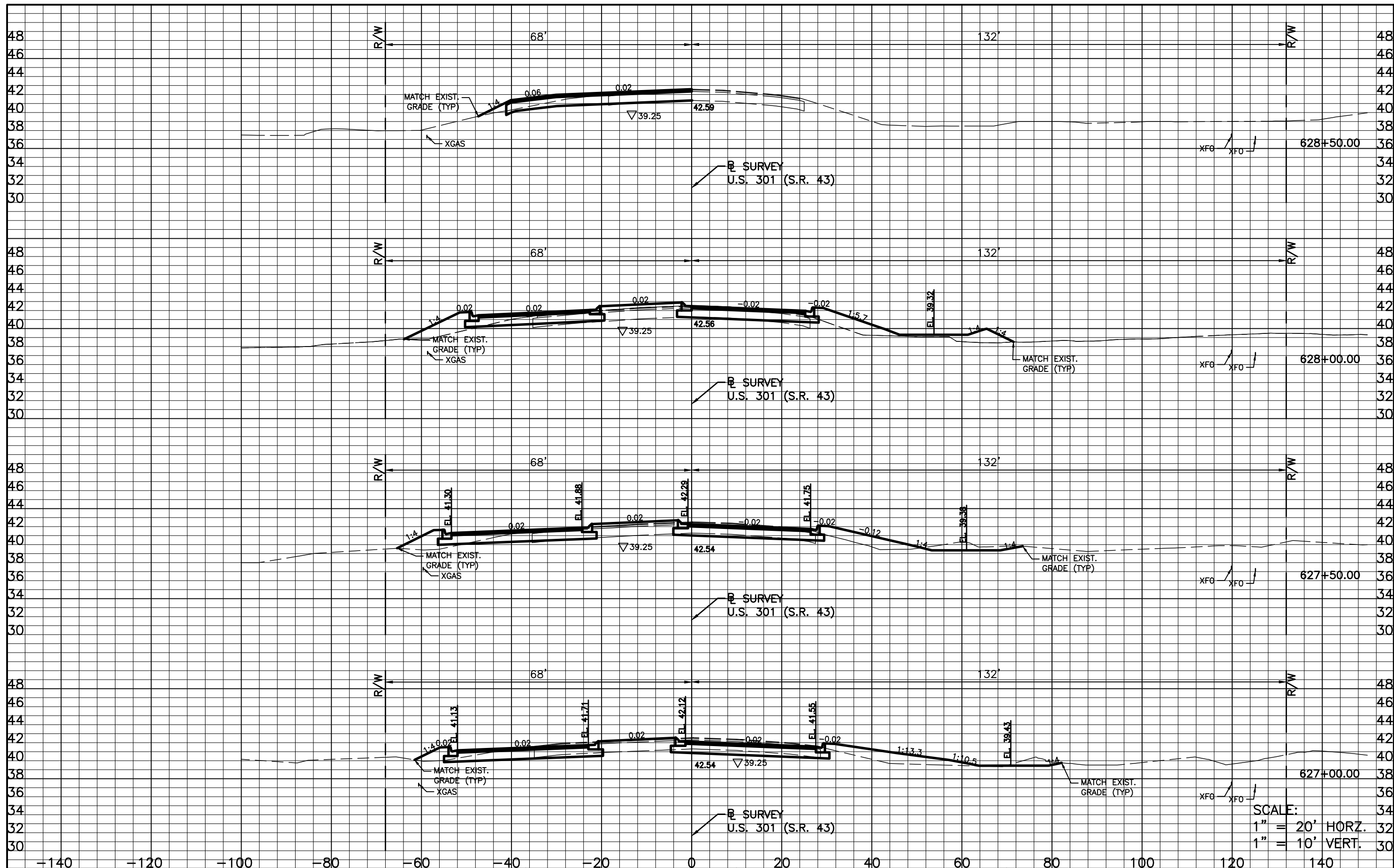
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

CROSS SECTION (4)

SHEET NO.
34



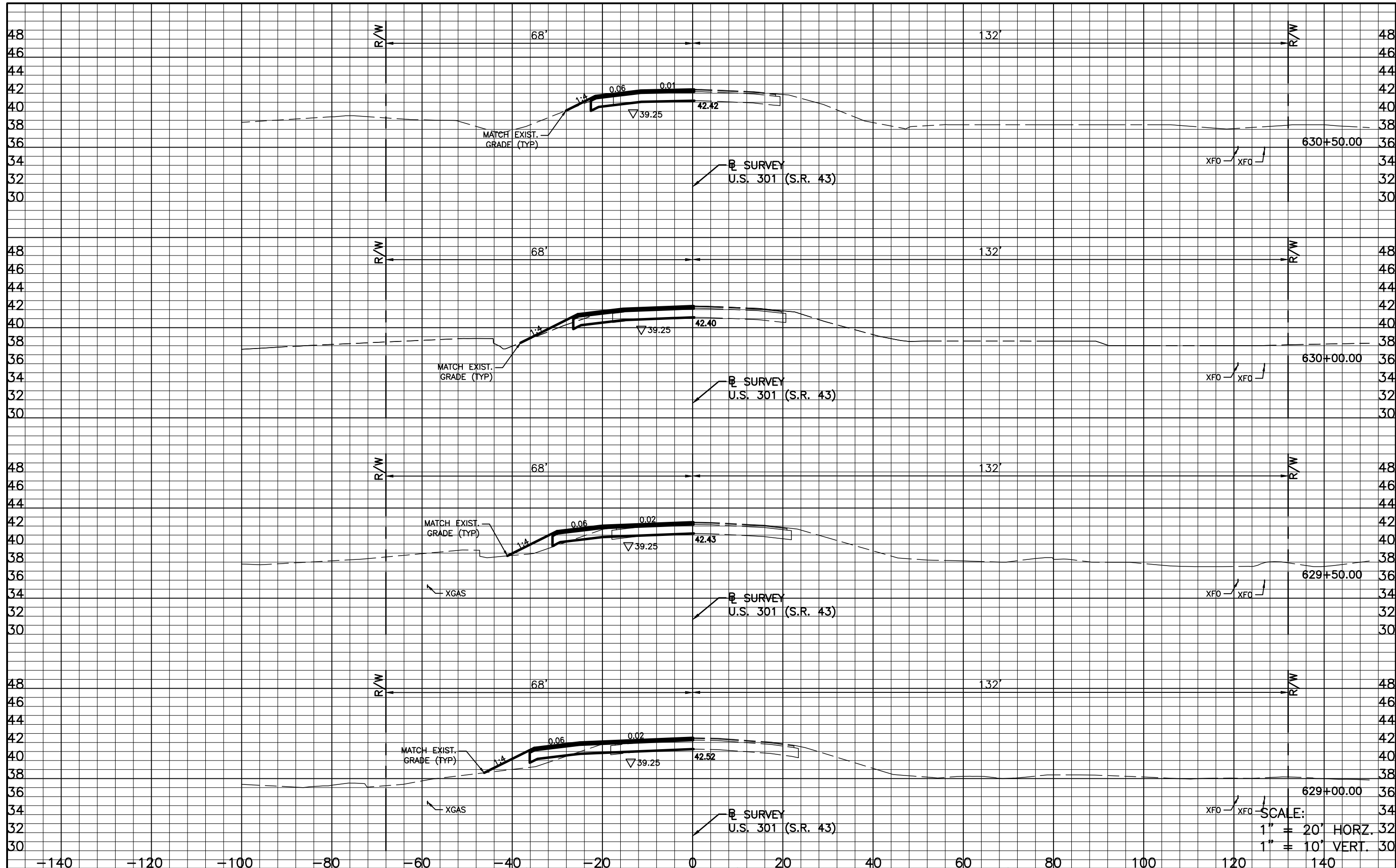
REVISIONS	
DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

CROSS SECTION (5)

SHEET NO.
35



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

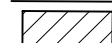






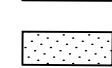
STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH. NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

CROSS SECTION (6)

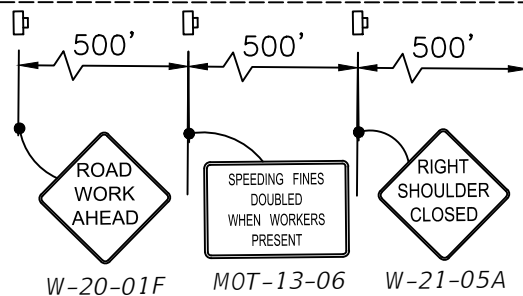
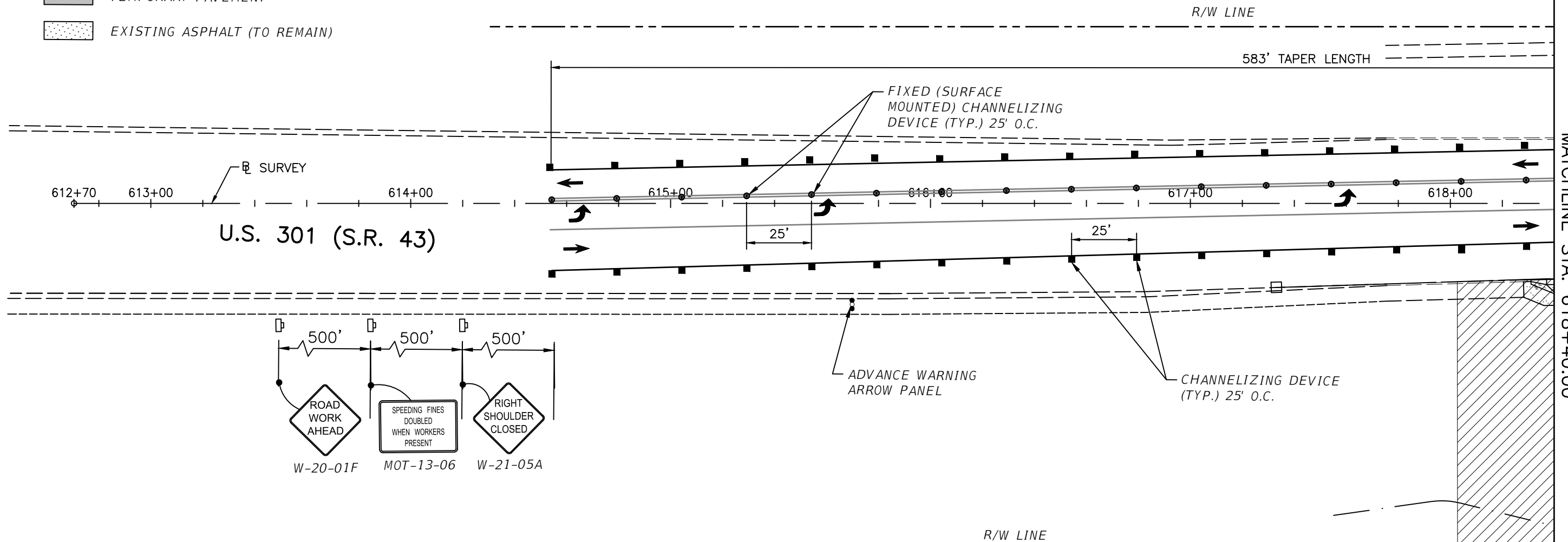
SHEET NO.
36

LEGEND:

-  WORK ZONE
-  CHANNELIZING DEVICES
-  FIXED (SURFACE MOUNTED) CHANNELIZING DEVICES
-  ADVANCED WARNING ARROW PANEL
-  LANE IDENTIFICATION & DIRECTION OF TRAVEL
-  WORK ZONE SIGN
-  TEMPORARY PAVEMENT
-  EXISTING ASPHALT (TO REMAIN)

PHASE I PHASING NOTES:

TEMPORARY PAVEMENT WILL BE PUT DOWN ON THE NORTHWEST SIDE AS SHOWN ON TTCP-PH-1 SHEETS 3 & 4. THE TRAFFIC WILL SHIFT TO THE WEST SIDE OF THE EDGE OF PAVEMENT. THE CONNECTION TO MOCCASIN WALLOW ROAD WILL REMAIN OPEN. THE SOUTHBOUND DIRECTION WILL REDUCE FROM 55MPH TO 45MPH. THE WORK ZONE WILL BE ON THE EAST AND WEST SIDE OF THE TRAVEL LANES SEPARATED BY CHANNELIZING DEVICES USING FDOT SPI 102-100. TEMPORARY PAVEMENT WILL BE INSTALLED ON THE NORTHEAST SIDE TO BE USED FOR PHASE II TRAFFIC. THE EAST SIDE OF THE ROUNDABOUT WILL BE CONSTRUCTED DURING PHASE I.



TEMPORARY TRAFFIC CONTROL NOTES

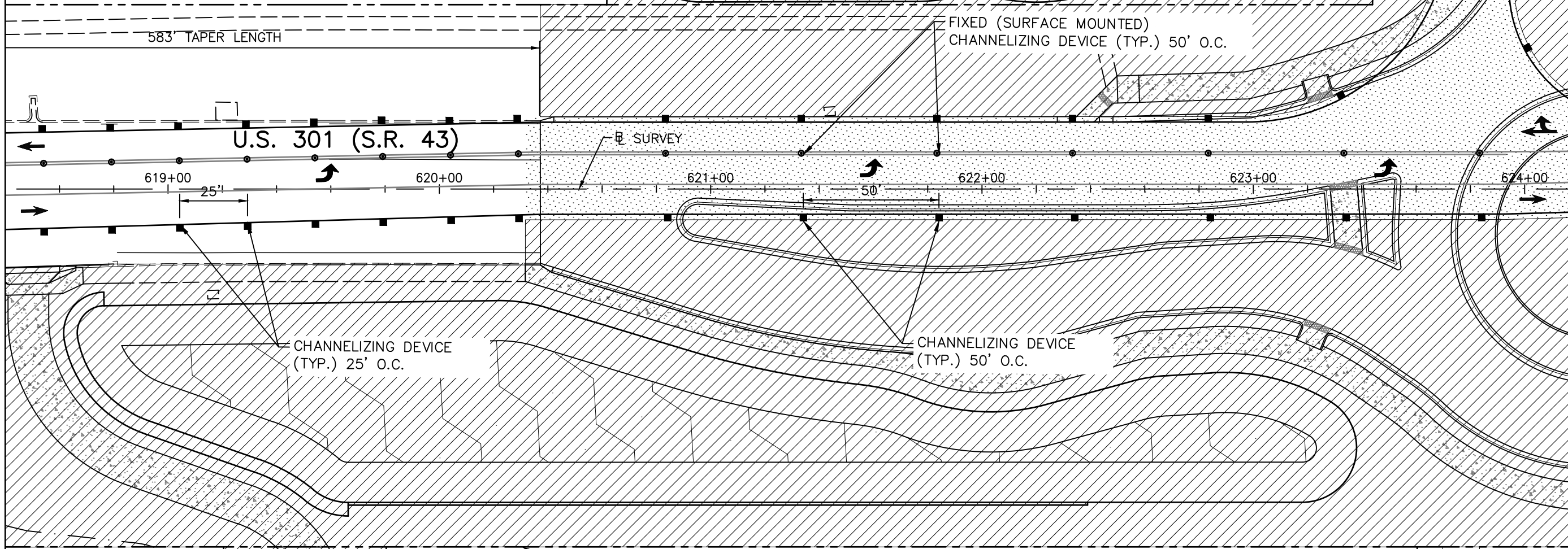
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF THE TRAFFIC CONTROL PLAN. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD PLANS INDEX (102 SERIES), THE CURRENT EDITION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE CONTRACTOR SHALL MAINTAIN VEHICULAR TRAFFIC IN ACCORDANCE WITH THE TEMPORARY TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFE MAINTENANCE OF VEHICULAR AND PEDESTRIAN TRAFFIC AT ALL TIMES DURING THE DURATION OF THE PROJECT
3. SPEED THROUGH THE WORK ZONE ON US 301 SHALL BE MAINTAINED AT 45 MPH FOR PHASE 1. THE WORK ZONE SPEED WILL REDUCE TO 20 MPH FOR PHASE 2 & 3.
4. LANE CLOSURES SHALL BE REMOVED AND ALL LANES SHALL BE OPEN WITHIN 48 HOURS UPON RECEIPT OF AN EMERGENCY NOTICE BEING ISSUED. ALL LANES MUST REMAIN OPEN TO TRAFFIC DURING AN EVACUATION NOTICE OR OTHER EMERGENCY EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EMERGENCY EVENT OR UNTIL DIRECTED BY THE ENGINEER.
5. IN THE EVENT OF A HURRICANE OR OTHER EVACUATION NEEDS, WHEN NOTIFIED BY THE ENGINEER, COORDINATE THE SECURING OF ALL LOOSE MATERIAL, BACKFILL EXCAVATION, REMOVE OBSTRUCTIONS TO DRAINAGE AND WATER FLOW, AND ANY OTHER MEASURE REQUIRED BY ENGINEER.
6. PROVISIONS FOR TRAFFIC DISRUPTIONS WHICH ARE NOT ANTICIPATED IN THE TRAFFIC CONTROL PLAN, BUT ARE NECESSARY TO CONSTRUCT THE PROJECT, SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR APPROVAL 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK.
7. CERTIFIED MAINTENANCE OF TRAFFIC (MOT) SUPERVISORS SHALL BE AVAILABLE TO THE PROJECT AT ALL TIMES WHEN THE CONTRACTOR IS WORKING AND SHALL BE ON CALL FOR EMERGENCIES WHEN THE CONTRACTOR IS NOT WORKING. ALL WORK SHALL CEASE WHEN THE MOT SUPERVISOR IS NOT IN CONTROL OF THE MOT.
8. THE CONTRACTOR SHALL NOT ALTER TRAFFIC AND TRAVEL WAYS TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION OF THAT AREA.
9. THE CONTRACTOR SHALL NOTIFY ALL LOCAL LAW ENFORCEMENT AND FIRE/SAFETY PRIOR TO THE START OF THE PROJECT.
10. OPEN TRENCHES SHALL BE BACKFILLED AS SOON AS POSSIBLE WHERE PROPERTY ACCESS IS NOT AFFECTED. ALL TRENCHES SHALL BE BACKFILLED COMPLETELY TO PROVIDE SAFE CROSSING AT PROPERTY ACCESS POINTS BY THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE.
11. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP-OFF ADJACENT TO PEDESTRIAN TRAVEL PATHS SHALL BE BACKFILLED FLUSH WITH THE TRAVEL PATH OR SHALL BE PROTECTED WITH BARRICADES, TEMPORARY BARRIER WALL, OR APPROVED HANDRAIL.
12. MAINTENANCE OF TRAFFIC SIGNING LOCATIONS ARE APPROXIMATE AND MAY BE VERIFIED AS DEEMED NECESSARY BY THE ENGINEER TO AVOID STREETS, DRIVEWAYS OR OTHER CONFLICTS. MINIMUM SIGNING DISTANCES SHALL BE MAINTAINED DURING CONSTRUCTION.

REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		TEMPORARY TRAFFIC CONTROL PLAN (1) PH I	SHEET NO. 37
DATE	DESCRIPTION		ROAD NO.	COUNTY		
			SR 43	MANATEE COUNTY	215615900	



MATCHLINE STA. 618+40.00

MATCHLINE STA. 624+20.00



LEGEND:

	WORK ZONE
	CHANNELIZING DEVICES
	FIXED (SURFACE MOUNTED) CHANNELIZING DEVICES
	ADVANCED WARNING ARROW PANEL
	LANE IDENTIFICATION & DIRECTION OF TRAVEL
	WORK ZONE SIGN
	TEMPORARY PAVEMENT
	EXISTING ASPHALT (TO REMAIN)

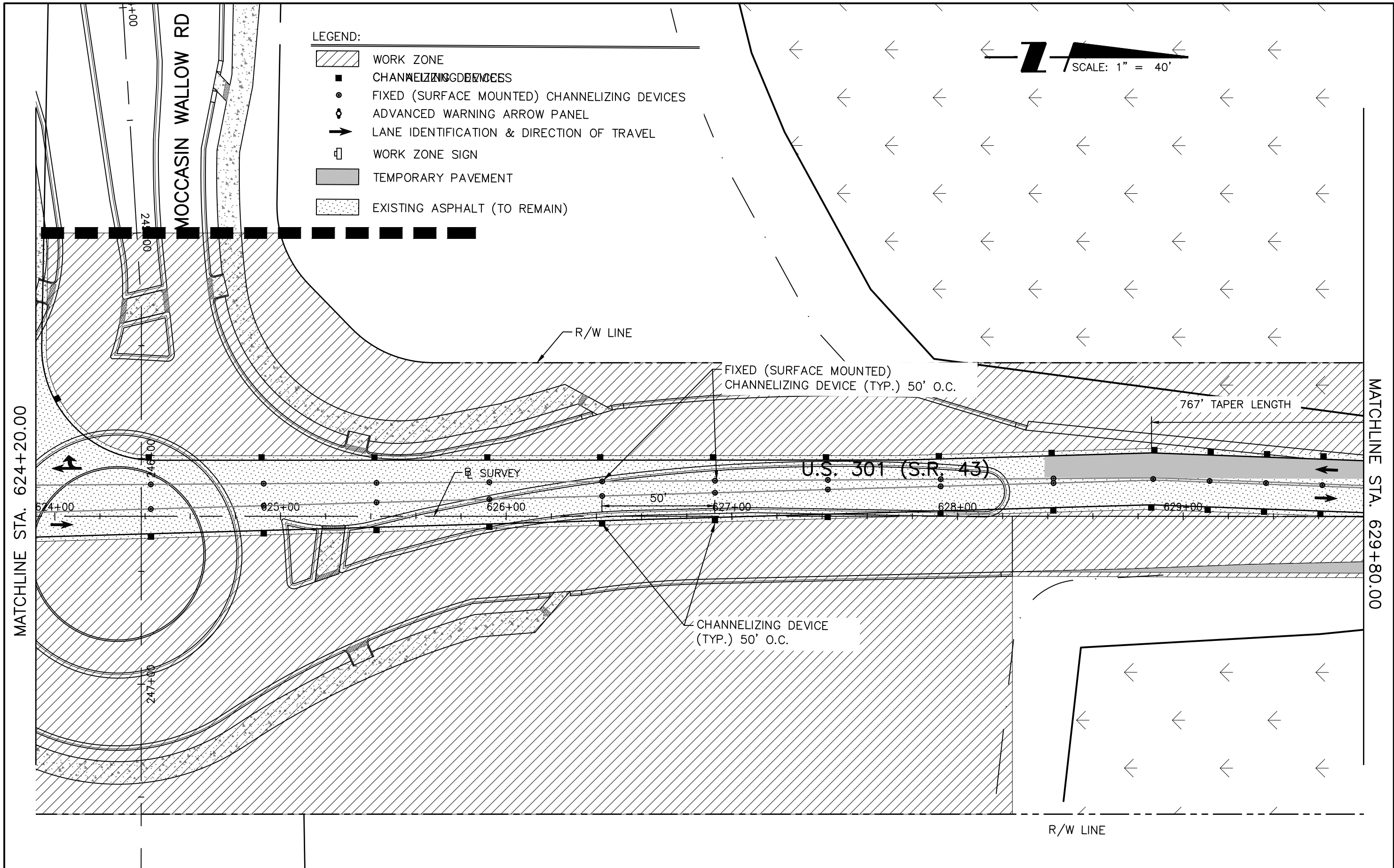
REVISIONS	
DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

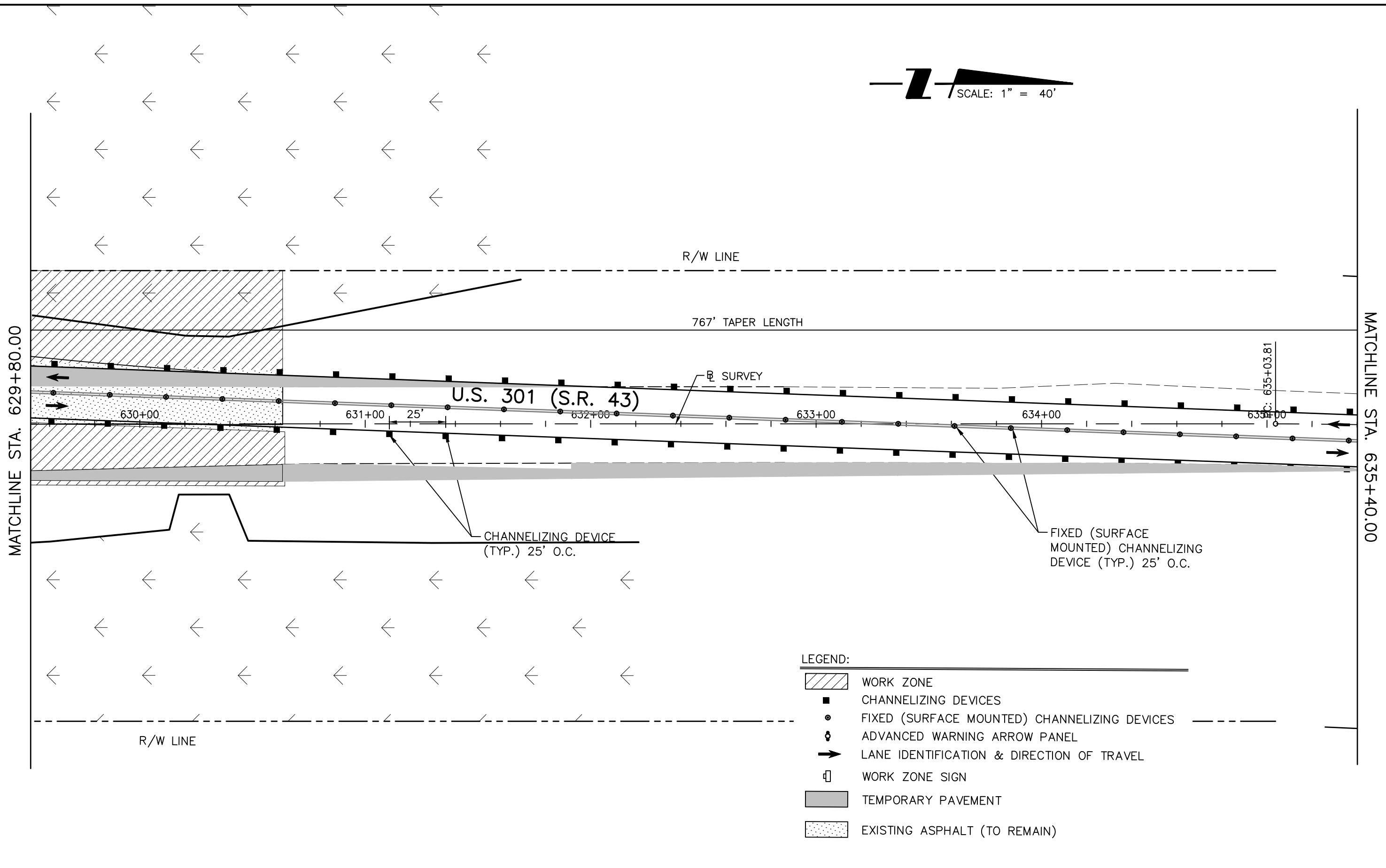
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

TEMPORARY TRAFFIC CONTROL PLAN (2) PH I

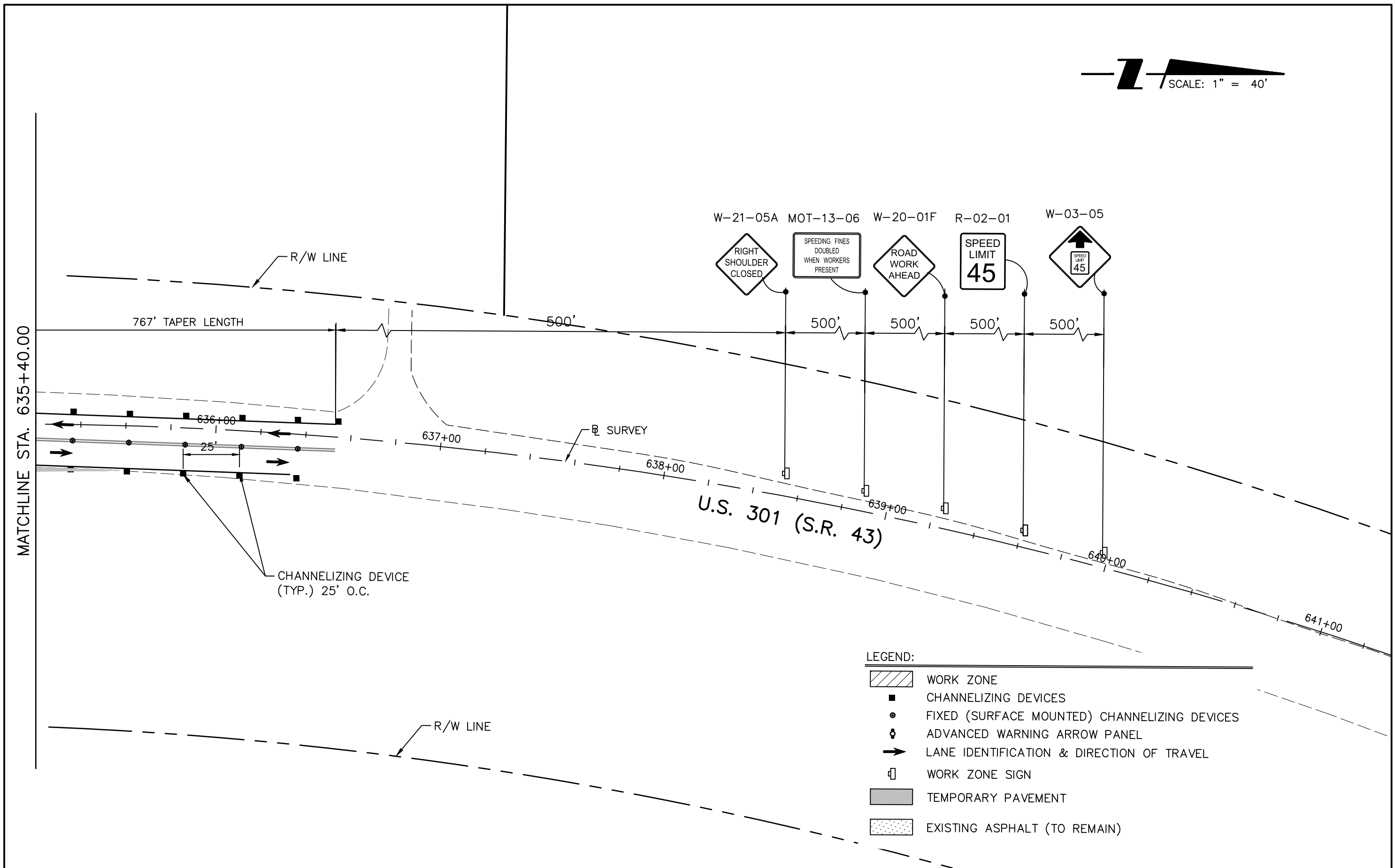
SHEET NO.
38



REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		TEMPORARY TRAFFIC CONTROL PLAN (3) PH I	SHEET NO. 39
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY		
				SR 43	MANATEE COUNTY	215615900	



REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		<i>TEMPORARY TRAFFIC CONTROL PLAN (4) PH I</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY		STANTEC PROJECT NO.
				SR 43	MANATEE COUNTY	215615900	40











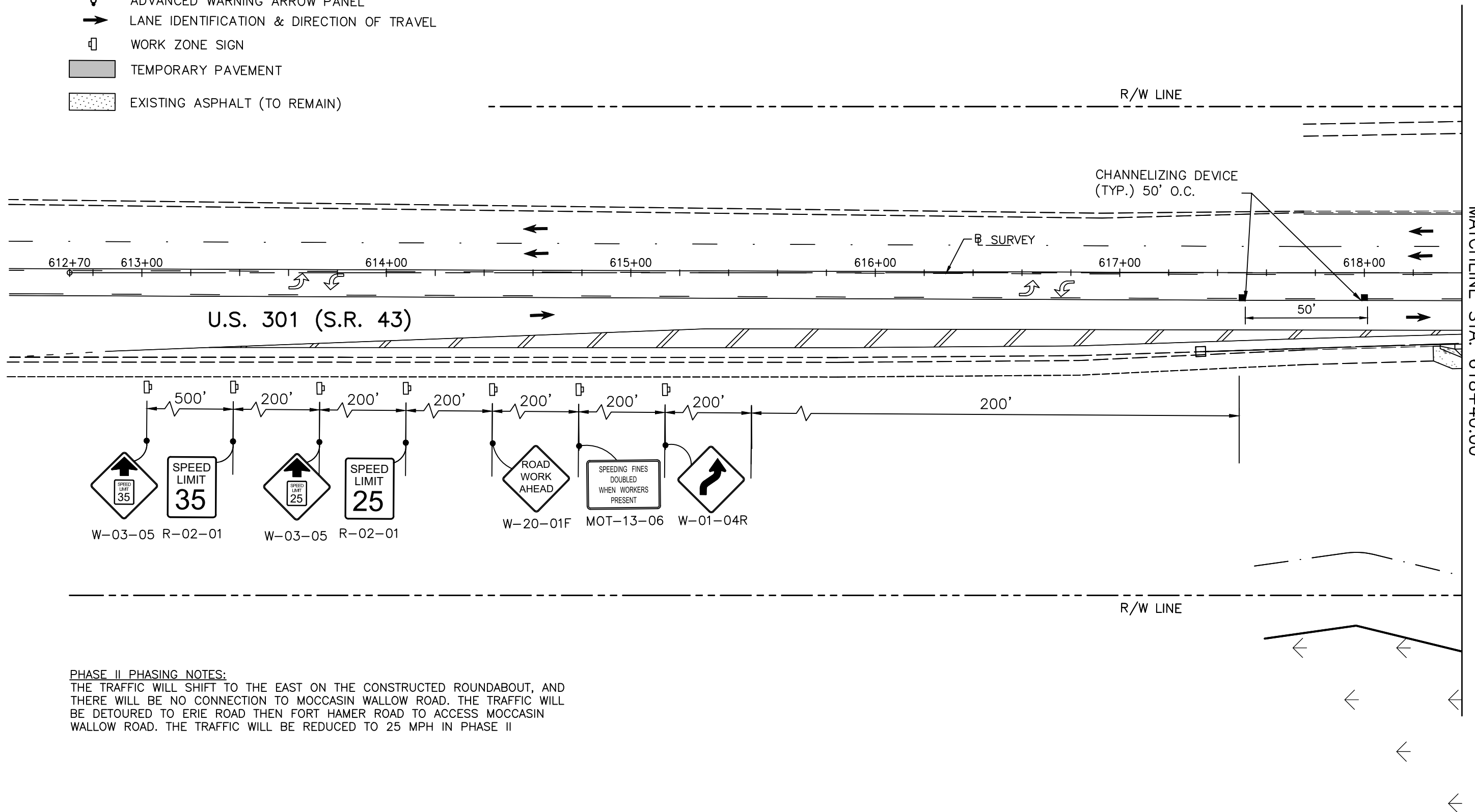
LEGEND:

	WORK ZONE
	CHANNELIZING DEVICES
	FIXED (SURFACE MOUNTED) CHANNELIZING DEVICES
	ADVANCED WARNING ARROW PANEL
	LANE IDENTIFICATION & DIRECTION OF TRAVEL
	WORK ZONE SIGN
	TEMPORARY PAVEMENT
	EXISTING ASPHALT (TO REMAIN)

DATE		DESCRIPTION		DATE		DESCRIPTION		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLAN (5) PH I	SHEET NO.
									SR 43	MANATEE COUNTY	215615900		41

LEGEND:

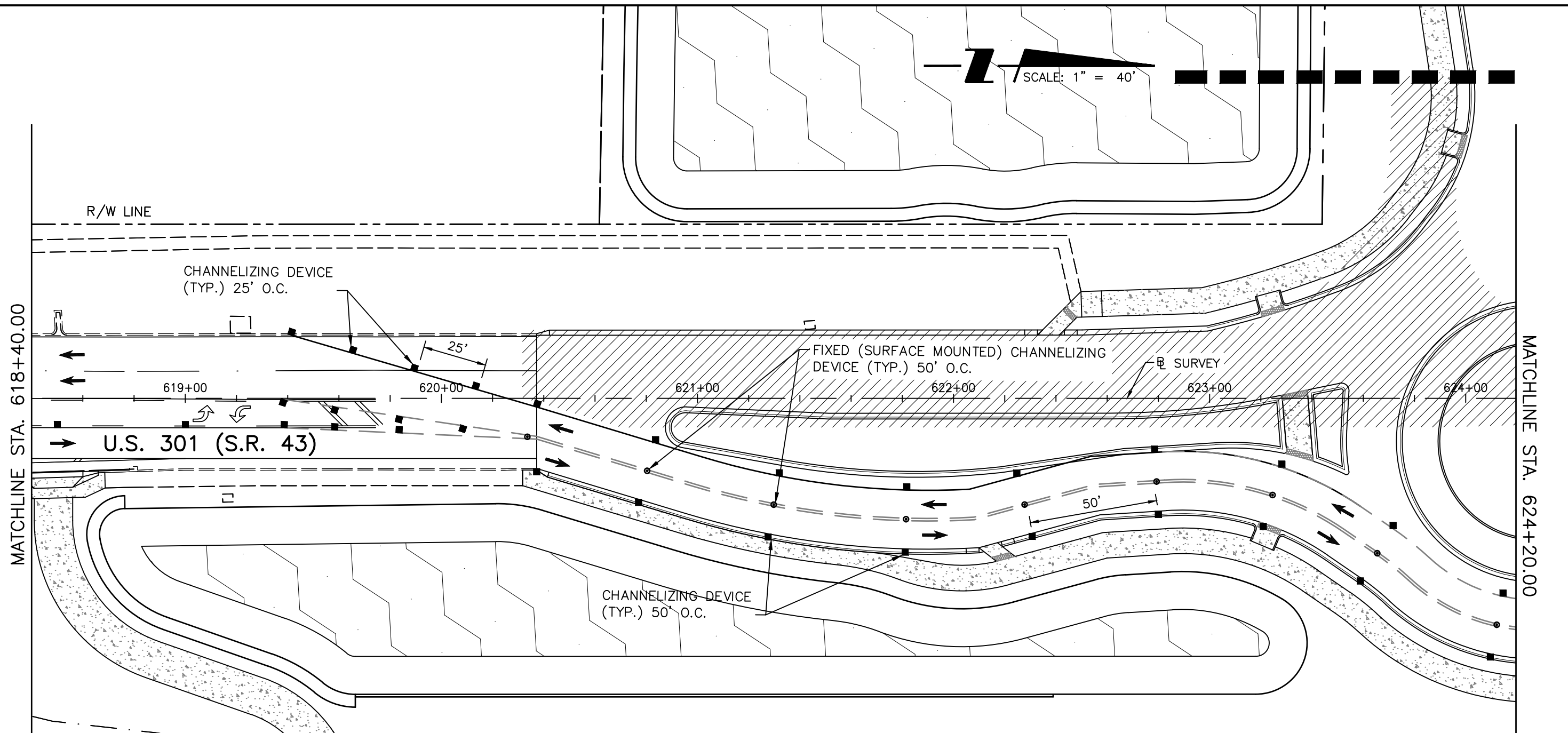
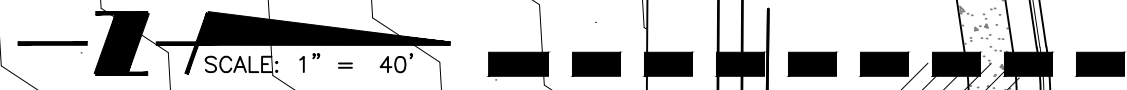
-  WORK ZONE
-  CHANNELIZING DEVICES
-  FIXED (SURFACE MOUNTED) CHANNELIZING DEVICES
-  ADVANCED WARNING ARROW PANEL
-  LANE IDENTIFICATION & DIRECTION OF TRAVEL
-  WORK ZONE SIGN
-  TEMPORARY PAVEMENT
-  EXISTING ASPHALT (TO REMAIN)



PHASE II PHASING NOTES:
 THE TRAFFIC WILL SHIFT TO THE EAST ON THE CONSTRUCTED ROUNDABOUT, AND THERE WILL BE NO CONNECTION TO MOCCASIN WALLOW ROAD. THE TRAFFIC WILL BE DETOURED TO ERIE ROAD THEN FORT HAMER ROAD TO ACCESS MOCCASIN WALLOW ROAD. THE TRAFFIC WILL BE REDUCED TO 25 MPH IN PHASE II

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLAN (6) PH II	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	STANTEC PROJECT NO.		NO.
				SR 43	MANATEE COUNTY	215615900		42

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602



- LEGEND:**
- WORK ZONE
 - CHANNELIZING DEVICES
 - FIXED (SURFACE MOUNTED) CHANNELIZING DEVICES
 - ADVANCED WARNING ARROW PANEL
 - LANE IDENTIFICATION & DIRECTION OF TRAVEL
 - WORK ZONE SIGN
 - TEMPORARY PAVEMENT
 - EXISTING ASPHALT (TO REMAIN)

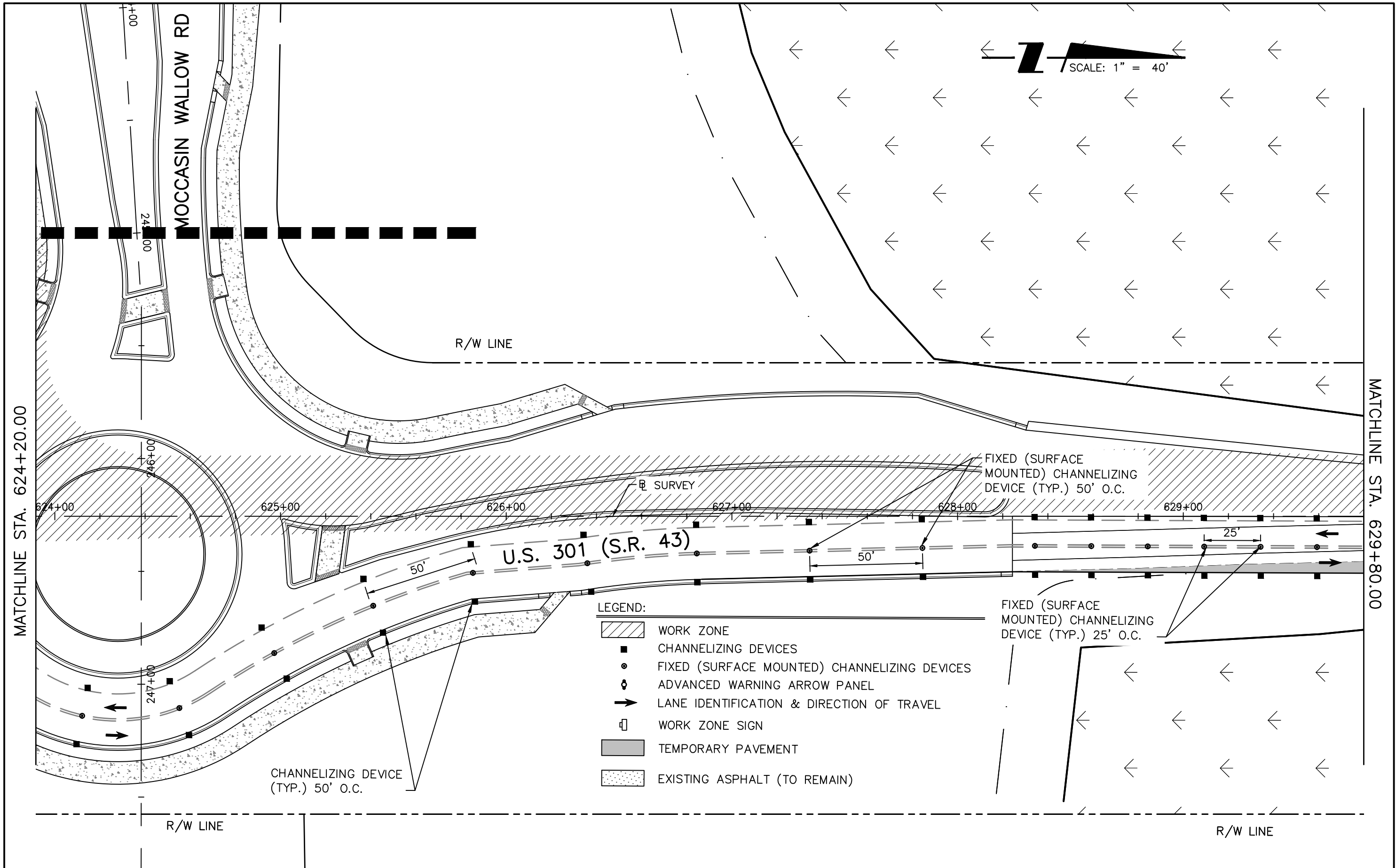
REVISIONS	
DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

TEMPORARY TRAFFIC CONTROL PLAN (7) PH II

SHEET NO.
43

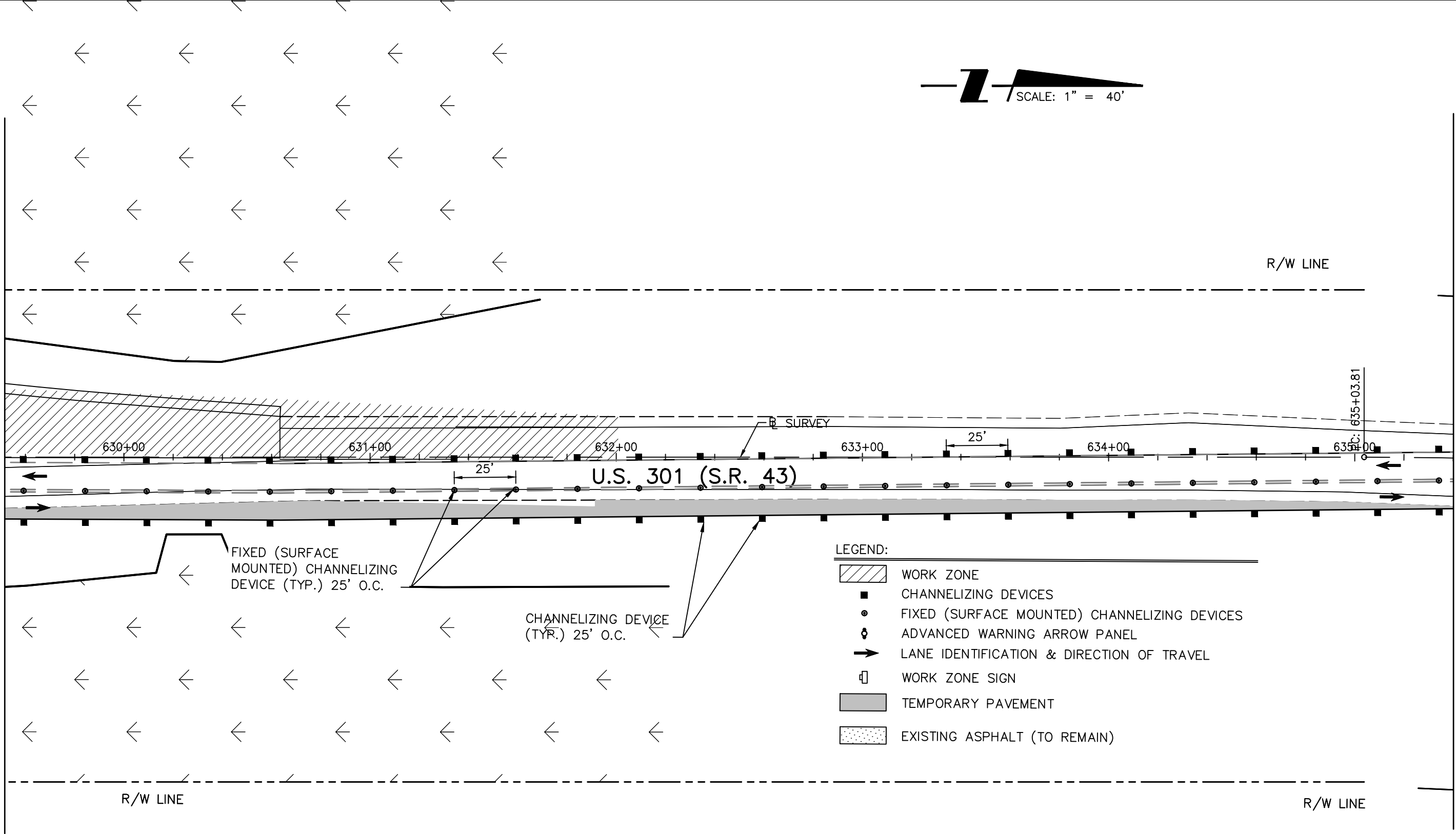


DATE		DESCRIPTION		REVISIONS		DATE		DESCRIPTION			
STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602											
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROAD NO. SR 43			COUNTY MANATEE COUNTY			STANTEC PROJECT NO. 215615900		
TEMPORARY TRAFFIC CONTROL PLAN (8) PH II									SHEET NO. 44		



MATCHLINE STA. 629+80.00

MATCHLINE STA. 635+40.00



- LEGEND:**
- WORK ZONE
 - CHANNELIZING DEVICES
 - FIXED (SURFACE MOUNTED) CHANNELIZING DEVICES
 - ADVANCED WARNING ARROW PANEL
 - LANE IDENTIFICATION & DIRECTION OF TRAVEL
 - WORK ZONE SIGN
 - TEMPORARY PAVEMENT
 - EXISTING ASPHALT (TO REMAIN)

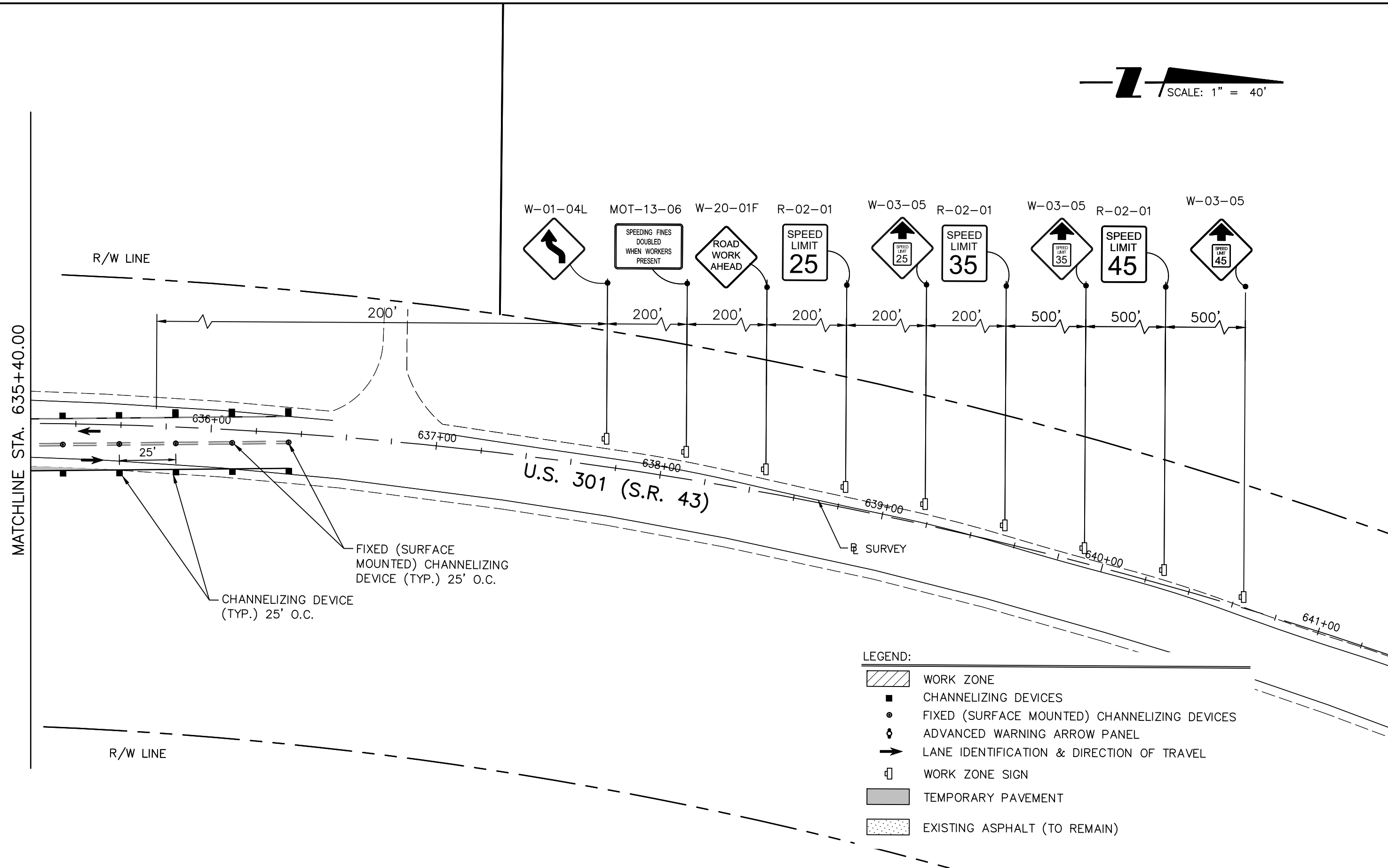
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

TEMPORARY TRAFFIC CONTROL PLAN (9) PH II

SHEET NO.
45

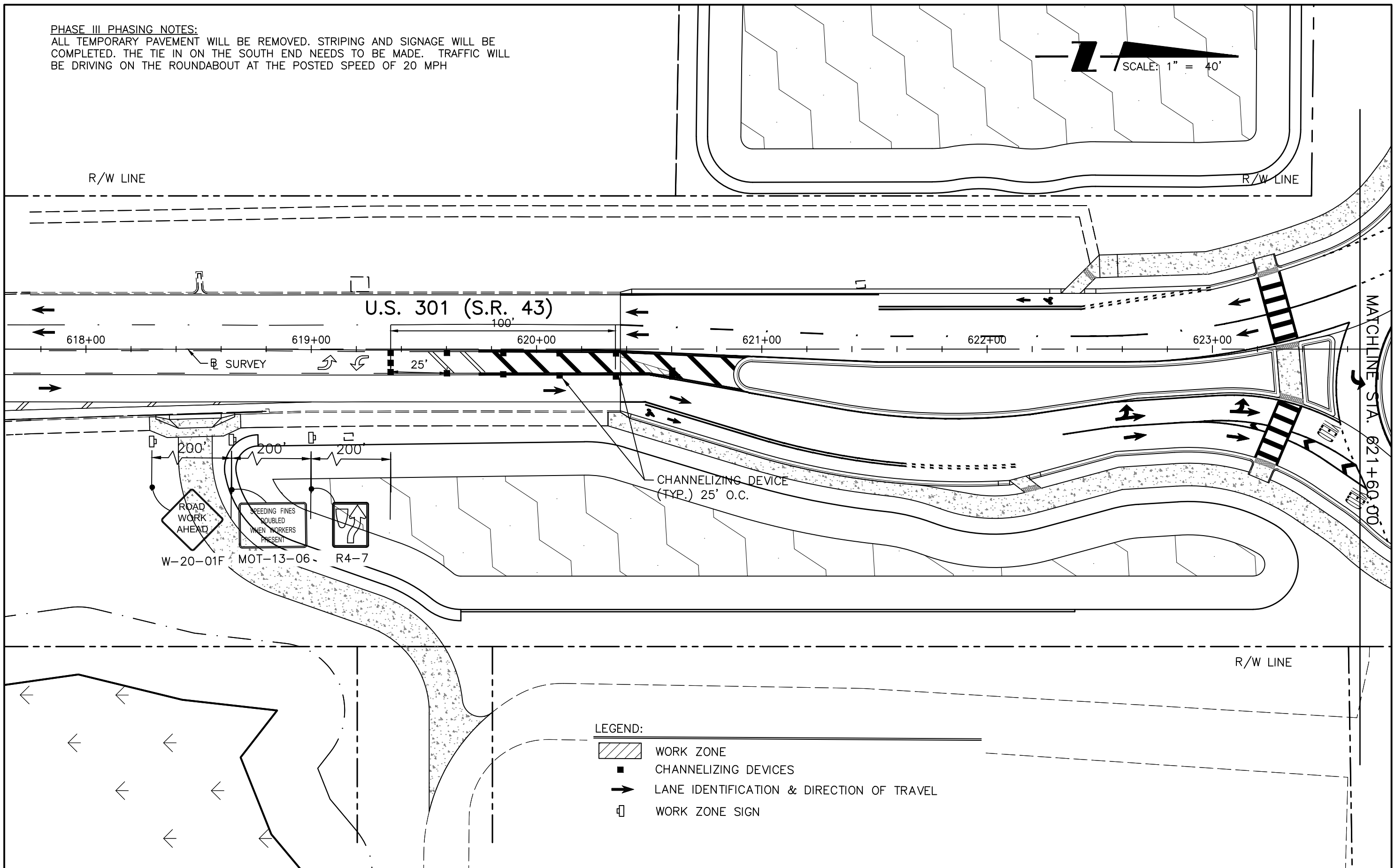


LEGEND:

	WORK ZONE
	CHANNELIZING DEVICES
	FIXED (SURFACE MOUNTED) CHANNELIZING DEVICES
	ADVANCED WARNING ARROW PANEL
	LANE IDENTIFICATION & DIRECTION OF TRAVEL
	WORK ZONE SIGN
	TEMPORARY PAVEMENT
	EXISTING ASPHALT (TO REMAIN)

DATE		REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLAN (10) PH II	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	STANTEC PROJECT NO.		NO.
					SR 43	MANATEE COUNTY	215615900		46

PHASE III PHASING NOTES:
 ALL TEMPORARY PAVEMENT WILL BE REMOVED. STRIPING AND SIGNAGE WILL BE COMPLETED. THE TIE IN ON THE SOUTH END NEEDS TO BE MADE. TRAFFIC WILL BE DRIVING ON THE ROUNDABOUT AT THE POSTED SPEED OF 20 MPH



ROAD WORK AHEAD
 W-20-01F
 SPEEDING FINES DOUBLED WHEN WORKERS PRESENT
 MOT-13-06
 R4-7

- LEGEND:**
- WORK ZONE
 - CHANNELIZING DEVICES
 - LANE IDENTIFICATION & DIRECTION OF TRAVEL
 - WORK ZONE SIGN

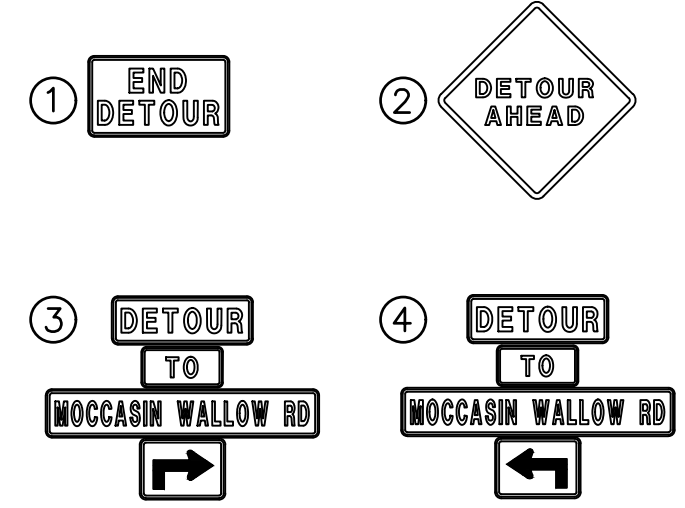
REVISIONS	
DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

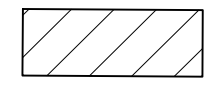
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

**TEMPORARY TRAFFIC CONTROL PLAN (11)
PH III**

SHEET NO.
47



LEGEND



WORK ZONE



TYPE III BARRICADE

REVISIONS	
DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
SR 43	MANATEE COUNTY	215615900

TRAFFIC CONTROL DETOUR PLAN

SHEET NO.
48

LIGHTING GENERAL NOTES:

1. THE MAINTAINING AGENCY IS MANATEE COUNTY. ALL MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FDOT STANDARD PLANS, FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANATEE COUNTY TRAFFIC ENGINEERING MANUAL.
2. SPARE CONDUIT AT PAVEMENT CROSSINGS SHALL BE CAPPED AT BOTH ENDS.
3. SUBMIT DESIGN DATA AND SHOP DRAWINGS FOR ALL EQUIPMENT TO MANATEE COUNTY FOR REVIEW AND APPROVAL PRIOR TO ORDERING EQUIPMENT:

MR. TAHA S. ATAYA, P.E.
PROJECT MANAGER
MANATEE COUNTY PUBLIC WORKS
1022 26th AVENUE EAST
BRADENTON, FLORIDA 34208-3916
PH. 941-708-7450, EXT. 7329
4. PROVIDE SHOP DRAWINGS OF THE PHOTOMETRIC CALCULATIONS FOR LUMINAIRES OTHER THAN THE BASIS OF DESIGN. THE LUMINAIRE BASIS OF DESIGN FOR MOCCASIN WALLOW ROAD, TWO SIGNALIZED INTERSECTIONS, AND THE US-301 ROUNDABOUT IS THE GE EVOLVE LED LUMINAIRE, 4000K COLOR TEMPERATURE WITH EITHER TYPE II (WIDE) OR TYPE IV DISTRIBUTION. SEE POLE DATA TABLE AND LEGEND SHEET FOR PHOTOMETRIC CURVES, WATTAGES, AND ADDITIONAL INFORMATION. MEET ALL PHOTOMETRIC REQUIREMENTS IN THE CONTRACT DOCUMENTS.
5. LOCATIONS OF EXISTING UTILITIES, AS SHOWN ON THE PLANS ARE APPROXIMATE AND BASED ON INFORMATION FURNISHED BY THE UTILITY OWNERS, AND SERVE AS NOTICE TO THE CONTRACTOR THAT UNDERGROUND UTILITIES EXIST. NOTIFY UTILITY OWNERS FOR LOCATION AND STAKING OF UNDERGROUND FACILITIES BEFORE EXCAVATING.
6. BEFORE EXCAVATING, IT IS REQUIRED THAT NOTICE BE GIVEN TO SUNSHINE STATE ONE CALL OF FLORIDA, INC. (SSOCOF) AT 800-432-4770 A MINIMUM OF TWO (2) FULL BUSINESS DAYS BEFORE WORK BEGINS. NOT ALL UTILITY OWNERS ARE MEMBERS OF SSOCOF.
7. LOCATIONS OF POLES, CONDUCTORS, CONDUITS, PULL AND JUNCTION BOXES, AND SERVICE POLES ARE DIAGRAMMATIC ONLY AND MAY BE SHIFTED WITHIN THE RIGHT-OF-WAY BY THE CONTRACTOR WITH APPROVAL FROM THE ENGINEER TO ACCOMMODATE EXISTING CONDITIONS AND UTILITY LOCATIONS.
8. ALUMINUM POLES, LUMINAIRES, AND BASES SHALL BE FABRICATED IN ACCORDANCE WITH AASHTO'S " STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS", AND SHALL HAVE BEEN TESTED BY FHWA APPROVED METHODS (LATEST EDITION). CERTIFICATION FOR TESTS SHALL BE SUBMITTED WITH THE SHOP DRAWINGS.
9. ALL ELECTRICAL WORK SHALL MEET THE REQUIREMENTS OF THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC), THE NATIONAL ELECTRICAL SAFETY CODE (NEC), AND THE FLORIDA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL COMPONENTS SHALL BE PROPERLY GROUNDED AND BONDED PER NEC REQUIREMENTS.
10. INSTALL LIGHTNING ARRESTORS, PROPERLY GROUNDED, IN POWER (SECONDARY) ENTRANCES ON THE OUTSIDE OF THE ENCLOSURE.
11. IN ACCORDANCE WITH NEC, IDENTIFY ALL CIRCUITS AND EQUIPMENT WITH "LAMACOID TAGS". INSTALL SIMILAR TAGS OF STAINLESS STEEL IDENTIFYING CIRCUIT FOR EACH LUMINAIRE AT ACCESS HANDHOLE ON EACH POLE.
12. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE POWER COMPANY AT LEAST THREE (3) FULL BUSINESS DAYS PRIOR TO ANY INSTALLATION THAT IS WITHIN THE DISTANCE PER OSHA'S CURRENT REQUIREMENTS OF ANY ENERGIZED ELECTRICAL CONDUCTORS. THE POWER COMPANY, AT IT'S OPTION, SHALL ASSIST THE CONTRACTOR TO COVER THE ENERGIZED CONDUCTORS AT INSTALLATION SITES OR TAKE OTHER SAFETY PRECAUTIONS AS NECESSARY. EXTREME CAUTION SHALL BE EXERCISED AT ALL TIMES IN PERFORMANCE OF WORK AROUND THE PRIMARY HIGH VOLTAGE COMPONENTS.

TABLE A - MINIMUM CLEARANCE DISTANCES SPECIFIED IN SUBPART CC OF OSHA RULE 1926 (AS THEY PERTAIN TO CRANE/DERRICK OPERATIONS), AND/OR THOSE MINIMUM DISTANCES SPECIFIED IN 29 CFR 1910.333(c)(3)(i)(A) AND iii(A) FOR WORK IN PROXIMITY TO POWER LINES NOT COVERED BY THIS SUBPART CC, ARE TO BE MAINTAINED.
13. FINAL OFFSETS FOR THE STREET LIGHT POLES OR ARMS SHALL BE A MINIMUM OF 10 FEET FROM OVERHEAD CONDUCTORS.
14. CONTACT THE APPROPRIATE POWER COMPANY TO DETERMINE IF A SERVICE PROCESSING OR OTHER FEES ARE REQUIRED. ANY FEES SHALL BE INCLUDED AS PART OF THE PAYMENT FOR THE LOAD CENTER. OBTAIN ALL PERMITS AND INSPECTIONS FOR THE POWER SERVICE AND LOAD CENTER. COORDINATE THE CONSTRUCTION INSPECTION AND ENERGIZING OF THE NEW LOAD CENTER IN A TIMELY MANNER IN ORDER TO PROMOTE PROJECT COMPLETION WITHIN THE CONTRACT TIME.
15. COORDINATE WITH THE APPROPRIATE POWER COMPANY REPRESENTATIVE PRIOR TO CONSTRUCTION FOR THE FINAL SERVICE POINT LOCATION.
16. COORDINATE WITH THE APPROPRIATE POWER COMPANY ON SCHEDULES INVOLVING INSTALLATIONS LIGHT POLES AND FOUNDATIONS AT LOCATIONS IN CLOSE PROXIMITY TO OVERHEAD POWER LINES. USE ANY SPECIAL EQUIPMENT NEEDED FOR DRILLING AND/OR INSTALLING THE FOUNDATION AND LIGHT POLE TO AVOID DE-ENERGIZING THE POWER LINES WHERE POSSIBLE. A LOW PROFILE RIG SHALL BE USED AT LOCATIONS WHERE POWER LINES ARE IN CLOSE PROXIMITY BASED ON OSHA REQUIREMENTS.
17. PULLING REQUIREMENTS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACKET PER MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN RECOMMENDED BY THE NEC OR THE NESC FOR CABLE USED.
18. STAKE ALL POLE LOCATIONS AND REQUEST UTILITY COMPANIES TO LOCATE AND STAKE UNDERGROUND UTILITIES PRIOR TO EXCAVATING. THIS INCLUDES NOTIFYING THE APPROPRIATE POWER COMPANY ON REVIEWING THE STAKED LOCATIONS WITH RESPECT TO OVERHEAD POWER LINES.
19. ALL CONDUITS UNDER ROADWAY, CONCRETE DRIVEWAYS AND/OR SIDEWALK SHALL BE INSTALLED PRIOR TO INSTALLATION OF ROADWAY BASE, DRIVEWAY CONCRETE AND SIDEWALK CONCRETE, EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.
20. DIRECTIONAL BORE OPERATIONS SHALL MEET THE REQUIREMENTS OF FDOT'S UTILITY ACCOMMODATION MANUAL, LATEST EDITION.
21. AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE WITHIN TWO (2) FEET OF LIGHT POLE FOUNDATIONS OR CONDUIT RUNS, HAND DIG THE FIRST FOUR (4) FEET OF THE HOLE OR TRENCH FOR THE FOUNDATION OR CONDUIT RUN.
22. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PROVISION THAT REQUIRES THE PREPARATION AND APPROVAL OF AN EROSION CONTROL PLAN THAT ADDRESSES PREVENTION, CONTROL, AND ABATEMENT OF WATER POLLUTION.

23. NO TEST BORINGS WERE MADE WHERE CONDUIT OR PULL BOXES ARE TO BE INSTALLED. CONTRACTOR IS RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS PRIOR TO SUBMITTING BID PROPOSALS.
24. ALL CONDUIT TRENCHES SHALL BE BACKFILLED COMPLETELY TO PROVIDE SAFE CROSSING BY THE END OF EACH WORKING DAY, OR WHENEVER THE WORK ZONE BECOMES INACTIVE. DO NOT OPEN ANY AREA THAT CANNOT BE BACKFILLED IN THE SAME WORKING PERIOD.
25. MAINTAIN ACCESS TO ALL SIDE STREETS, PRIVATE, AND COMMERCIAL DRIVEWAYS AT ALL TIMES.
26. NO SCREW TYPE BASE FOUNDATIONS SHALL BE USED ON THIS PROJECT.
27. NOTIFY MANATEE COUNTY BEFORE AND TRENCHING OR DIGGING AT SIGNALIZED INTERSECTIONS SO THAT ALL UNDERGROUND FACILITIES CAN BE IDENTIFIED AND MARKED APPROPRIATELY.
28. THE LIGHTING SYSTEM WILL BE MAINTAINED BY MANATEE COUNTY UPON FINAL ACCEPTANCE. NOTIFY THE TRAFFIC ENGINEERING DIVISION (MR. VISHAL S. KAKKAD, 941-749-3502) AT LEAST TWO (2) BUSINESS DAYS IN ADVANCE TO SCHEDULE THE FINAL INSPECTION. UPON PASSING THE FINAL INSPECTION, SEND A WRITTEN REQUEST TO TRANSFER MAINTENANCE FROM THE CONTRACTOR TO MANATEE COUNTY TO THE FOLLOWING:

MR. AARON BURKETT
MANATEE COUNTY TRAFFIC OPERATIONS DIVISION
1204 12th STREET COURT EAST
BRADENTON, FLORIDA 34208
EMAIL: AARONBURKETT@MYMANATEE.ORG

THE COUNTY WILL RESPOND WITHIN FIVE (5) WORKING DAYS TO ESTABLISH A TIME TABLE FOR TRANSFER OF MAINTENANCE RESPONSIBILITY.

29. WHEN CONSTRUCTION IS COMPLETE, A HARD COPY AND ELECTRONIC PDF SET OF AS-BUILT PLANS IS TO BE SUBMITTED TO:

MANATEE COUNTY PUBLIC WORKS
ATTN: MR. VISHAL KAKKAD, PE, PTOE
TRAFFIC DESIGN DIVISION MANAGER
2101 47th TERRACE EAST
BRADENTON, FLORIDA 34203
EMAIL: VISHALKAKKAD@MYMANATEE.ORG

RECORD DRAWINGS AND INSPECTION FORMS MUST BE DELIVERED TO THE COUNTY AT LEAST TWO (2) BUSINESS DAYS PRIOR TO SCHEDULING THE FINAL INSPECTION.

30. HANDHOLE COVERS FOR POLES SHALL BE LOCATED OPPOSITE APPROACHING TRAFFIC EXCEPT FOR POLES LOCATED IN GRAVITY WALLS. THESE POLES SHALL HAVE THE HANDHOLE COVERS LOCATED TOWARDS THE SIDEWALK.
31. ALL EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED IN THE PLANS.
32. THE WIRES AT THE POLE HANDHOLES AND PULL BOXES SHALL BE LOOPED WITH SUFFICIENT LENGTH TO COMPLETELY REMOVE CONNECTORS AND SPLICES ONE (1) FOOT OUTSIDE OF THE HANDHOLE OR PULL BOX. THE SLACK IS FOR MAKING CONNECTIONS AND SPLICES ACCESSIBLE FOR CHANGING FUSES AND TROUBLE SHOOTING THE SYSTEM.
33. LIGHT POLES AND PULL BOXES SHALL NOT BE LOCATED IN DRAINAGE SWALES, DITCHES, WETLANDS, DRIVEWAYS, SURFACE WATER, PAVED SHOULDERS, OR PEDESTRIAN RAMPS. COORDINATE WITH THE ENGINEER FOR AN APPROVED OFFSET ADJUSTMENT IF NECESSARY.
34. FOR LOCATIONS WHERE THE LIGHT POLE IS WITHIN OR ADJACENT TO PROPOSED SIDEWALK, TOP OF POLE FOUNDATION ELEVATION SHALL MATCH THE PROPOSED SIDEWALK GRADE.

REVISIONS				STANTEC CONSULTING SERVICES INC. ENGINEER OF RECORD: FRANCISCO B. DOMINGO, P.E. NO.: 51601 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FL 34240-8414	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	STANTEC PROJECT NO.		
					SR 43	MANATEE	215615900		50

LIGHTING PAY ITEM NOTES:

630-2-11:

INCLUDES CONDUIT, ELBOWS, SWEEPS, CONNECTING HARDWARE, TRENCHING, AND BACKFILL AS INDICATED IN THE FDOT DESIGN STANDARDS. THE LINEAR FOOT PRICE FOR CONDUIT SHALL ALSO INCLUDE THE COST OF RESTORING CUT PAVEMENT, SIDEWALK, SOD, ETC., TO IT'S ORIGINAL CONDITION. SOD SHALL BE REPLACED IN LIKE KIND OF THE ADJACENT SURROUNDINGS. CONDUIT SHALL BE SCHEDULE 40 PVC WITH A MINIMUM SIZE OF 2 INCHES. MEET NEC CONDUIT FILL CRITERIA WITH RESPECT TO THE SIZE AND NUMBER OF CONDUCTORS INSIDE.

PAYMENT FOR CONDUIT PLACED UNDERGROUND WILL BE BASED ON THE HORIZONTAL LENGTH OF THE TRENCH MEASURED IN A STRAIGHT LINE BETWEEN THE CENTERS OF PULL BOXES, CABINETS, POLES, ETC., IN LINEAR FEET REGARDLESS OF THE LENGTH OR NUMBER OF CONDUITS INSTALLED. NO ADDITIONAL PAYMENT WILL BE MADE FOR MULTIPLE CONDUITS IN THE SAME TRENCH.

630-2-12:

ALL CONDUITS INSTALLED BY DIRECTIONAL BORE SHALL BE HDPE SDR-11 WITH A MINIMUM SIZE OF 2 INCHES. MEET NEC CONDUIT FILL CRITERIA WITH RESPECT TO THE SIZE AND NUMBER OF CONDUCTORS INSIDE. CONDUIT AND TRANSITION COUPLING SHALL BE UL LISTED. ALL DIRECTIONAL BORES SHALL INCLUDE A SPARE 2 INCH CONDUIT WITH BOTH ENDS SWEEPING UP INTO A STREET LIGHTING PULL BOX. CAP BOTH ENDS OF THE SPARE CONDUIT WITH WATER TIGHT CAPS. SPARE CONDUIT SHALL BE POPULATED WITH A PULL CORD.

PAYMENT FOR CONDUIT PLACED BY DIRECTIONAL BORE WILL BE BASED ON THE HORIZONTAL LENGTH OF THE BORE MEASURED IN A STRAIGHT LINE BETWEEN THE CENTERS OF PULL BOXES, CABINETS, POLES, ETC., IN LINEAR FEET REGARDLESS OF THE LENGTH OR NUMBER OF CONDUITS INSTALLED. NO ADDITIONAL PAYMENT WILL BE MADE FOR MULTIPLE CONDUITS IN THE SAME BORE.

635-2-11:

USE FDOT APPROVED COMPOSITE PULL BOXES MEASURING 24"L x 13"W x 18"D MINIMUM WITH HEAVY DUTY NON-METALLIC COVERS. GROUNDING IS NOT REQUIRED FOR PULL BOXES. COVERS SHALL BE STAMPED "STREET LIGHTING" IN RAISED LETTERS. INCLUDES THE COST OF THE CONCRETE APRON PER FDOT STANDARD PLANS INDEX 715-001. ITEM ALSO INCLUDES THE COST OF MANATEE COUNTY APPROVED SECURITY BOLTS FOR THE COVERS. SECURITY BOLTS SHALL BE INSTALLED UPON FINAL ACCEPTANCE.

639-1-122:

POWER SERVICE ASSEMBLY INCLUDES ALL EQUIPMENT AND MATERIALS NECESSARY FOR A COMPLETE AND ACCEPTABLE INSTALLATION AS INDICATED IN THE FDOT STANDARD PLANS, SPECIFICATIONS, AND POWER COMPANY REQUIREMENTS.

715-1-12:

ITEM INCLUDES CONDUCTORS AS INDICATED IN THE PLANS AND THE FDOT STANDARD PLANS. PAYMENT IS BASED ON THE LINEAR FEET OF A SINGLE CONDUCTOR.

715-1-60:

REMOVE AND DISPOSE EXISTING LIGHTING CONDUCTORS FROM EXISTING LIGHT POLES TO REMAIN AT APPROX. STA. 617+00 RT, AND 619+00 LT TO THE NORTHERN LIMITS OF EXISTING LIGHTING CIRCUITS.

715-4-13:

ITEM INCLUDES A STANDARD ALUMINUM LIGHT POLE, BRACKET ARM, LUMINAIRE WITH LAMP, ANCHOR BOLTS WITH WASHERS AND LOCK NUTS, VIBRATION DAMPENING DEVICE, FRANGIBLE BREAKAWAY TRANSFORMER BASE AND FOUNDATION PER FDOT STANDARD PLANS INDEX 715-002. COST OF BREAK-AWAY WATERTIGHT, IN-LINE FUSE HOLDERS, STRAIN RELIEF, AND SURGE ARRESTOR SHALL BE PAID UNDER ITEM 715-500-1. ITEM ALSO INCLUDES EXTERNAL HOUSE SIDE, AND 6-INCH TALL LIGHT TRESPASS SHIELD ACCESSORIES.

LUMINAIRES INCLUDED UNDER THIS ITEM SHALL BE GE EVOLVE LED WITH 4000K COLOR AND EITHER TYPE II WIDE OR TYPE IV DISTRIBUTION. SEE LEGEND AND POLE DATA SHEET FOR WATTAGES, PHOTOMETRIC CURVES, AND ADDITIONAL DETAILS.

ITEM ALSO INCLUDES THE MAINTENANCE SLAB AND PULL BOX AS SPECIFIED IN FDOT STANDARD PLANS INDEX 715-001. THE ORIENTATION OF THE SLAB MAY BE ADJUSTED BY THE CONTRACTOR UNDER APPROVAL OF THE ENGINEER. IF THE SLAB CONFLICTS WITH THE PROPOSED SIDEWALK OR RIGHT-OF-WAY LINE, THE SLAB SHALL BE MODIFIED BY ENDING THE SLAB ADJACENT TO THE EDGE OF SIDEWALK OR AT THE RIGHT-OF-WAY LINE. THERE SHOULD BE NO GAP BETWEEN THE SLAB AND THE EDGE OF SIDEWALK. SLAB ELEVATION SHALL MATCH THE BACK OF SIDEWALK ELEVATION.

715-7-11:

THE UNDERGROUND ELECTRICAL POWER SERVICE SHALL BE IN ACCORDANCE WITH THE FDOT STANDARD PLANS AND SPECIFICATIONS TO FURNISH AND INSTALL THE LIGHTING LOAD CENTER. MATERIALS INCLUDE, BUT ARE NOT LIMITED TO: FUSED CONTROL POWER TRANSFORMERS, CABINET, ADDITIONAL ENCLOSURES, PANEL BOARDS, MAIN BREAKER, BRANCH CIRCUIT BREAKERS, FUSES, LIGHTNING ARRESTOR, PHOTO-ELECTRIC ASSEMBLY, CONTACTOR, H.O.A. SWITCH, AND ALL MISCELLANEOUS HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.

THE LOAD CENTER SHALL BE THREE WIRE, SINGLE PHASE, 240/480V POWER SERVICE ASSEMBLY.

715-1-111:

FURNISH AND INSTALL LUMINAIRES INDICATED ON THE POLE DATA SHEET ON EXISTING MAST ARM POLE MOUNTED BRACKET ARMS. ITEM INCLUDES ALL MATERIALS REQUIRED TO CONNECT THE LUMINAIRES TO THE DEDICATED CIRCUIT BREAKER AND PHOTO-ELECTRIC CELL INSIDE THE TRAFFIC SIGNAL CONTROLLER CABINET.

715-500-1:

INCLUDES COST OF BREAKAWAY WATERTIGHT IN-LINE FUSE HOLDERS, STRAIN RELIEF, AND SURGE ARRESTOR AS INDICATED IN FDOT STANDARD PLANS INDEX 715-001.

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	STANTEC PROJECT NO.		
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POLE DATA

POLE NO.	CIRCUIT	STATION	OFFSET	NUMBER OF LUMINAIRES	ARM LENGHT H	ARM CONFIGURATI ON	MOUNTING HEIGHT	LOCATION	FOUNDATION	PAY ITEM
210	A-4	623+78	90.09' LT	ONE	15'	SINGLE	40'	BACK OF SIDEWALK	STANDARD	715-4-13
211	A-3	624+85	105.26' LT	ONE	15'	SINGLE	40'	BACK OF SIDEWALK	STANDARD	715-4-13
212	A-4	623+17	49.82' LT	ONE	15'	SINGLE	40'	BACK OF SIDEWALK	STANDARD	715-4-13
213	A-3	625+36	45.15' LT	ONE	15'	SINGLE	40'	BACK OF SIDEWALK	STANDARD	715-4-13
214	A-4	621+70	30.89' LT	ONE	15'	SINGLE	40'	5' FACE OF CURB	STANDARD	715-4-13
215	A-3	626+04	52.91' LT	ONE	15'	SINGLE	40'	BACK OF SIDEWALK	STANDARD	715-4-13
216	A-4	620+61	43.27' RT	ONE	15'	SINGLE	40'	BACK OF SIDEWALK	STANDARD	715-4-13
217	A-3	628+56	56.88' LT	ONE	15'	SINGLE	40'	20' EOP	STANDARD	715-4-13
218	A-4	622+67	62.72' RT	ONE	15'	SINGLE	40'	BACK OF SIDEWALK	STANDARD	715-4-13
219	A-3	624+47	117.70' RT	ONE	15'	SINGLE	40'	BACK OF SIDEWALK	STANDARD	715-4-13
220	A-4	623+42	80.32' RT	ONE	15'	SINGLE	40'	BACK OF SIDEWALK	STANDARD	715-4-13
221	A-3	625+40	71.94' RT	ONE	15'	SINGLE	40'	BACK OF SIDEWALK	STANDARD	715-4-13
222	-	~ NOT USED ~								
223	A-3	627+30	36.71' RT	ONE	15'	SINGLE	40'	8' FACE OF CURB	STANDARD	715-4-13
224	-	~ NOT USED ~								
225	A-3	629+91	41.04' RT	ONE	15'	SINGLE	40'	20' EOP	STANDARD	715-4-13










SIGNALIZED INTERSECTION
AND ROUNDABOUT
LIGHTING DESIGN CRITERIA

Average Horizontal Fc	3.0 Std. 1.5 Min.
Uniformity Ratio Avg./Min.	4:1 Or Less
Max./Min.	10:1 Or Less
Average Vertical Fc	1.5 Std. 1.2 Min.
Veiling Luminance	N/A

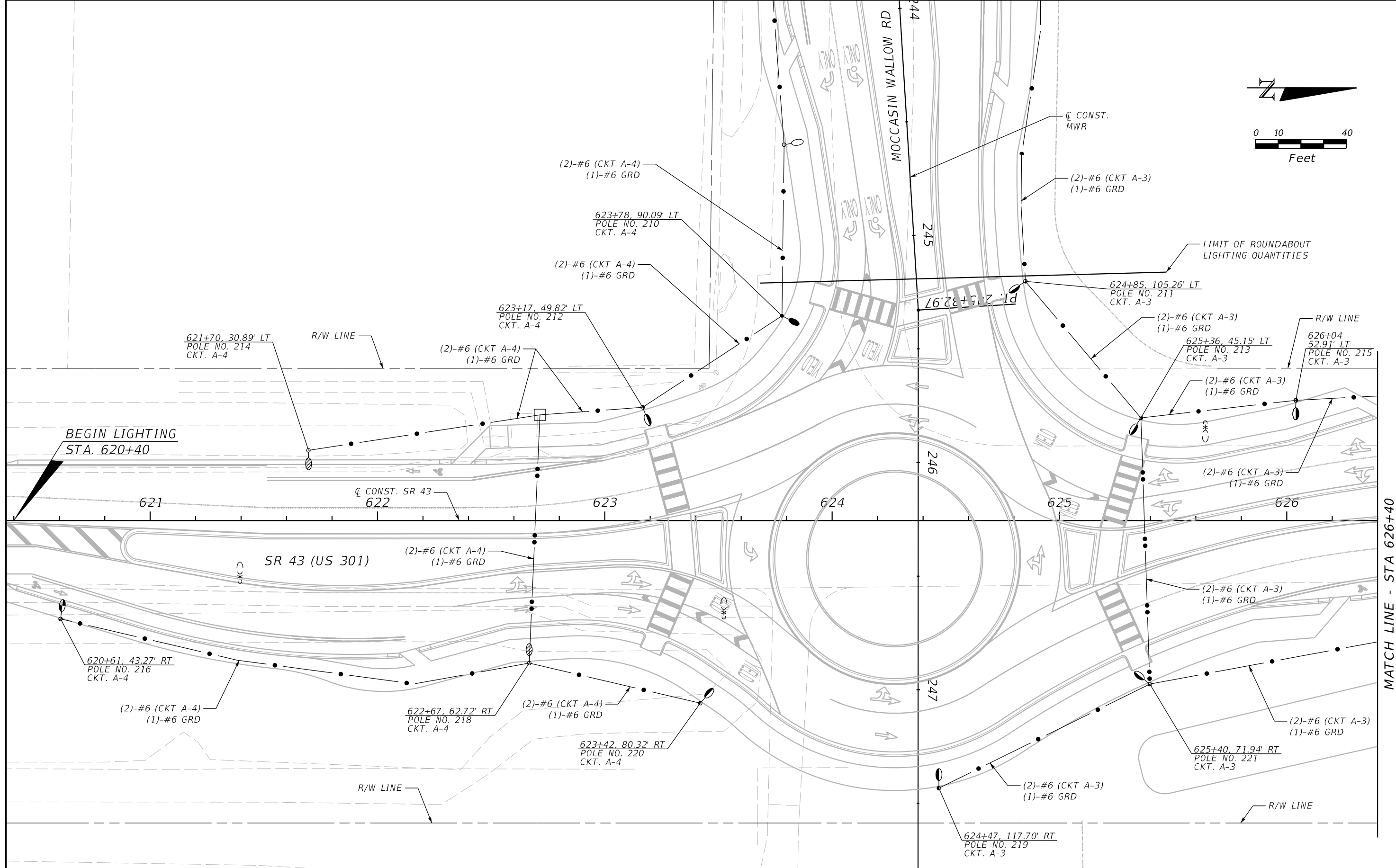
LEGEND

SYMBOLS

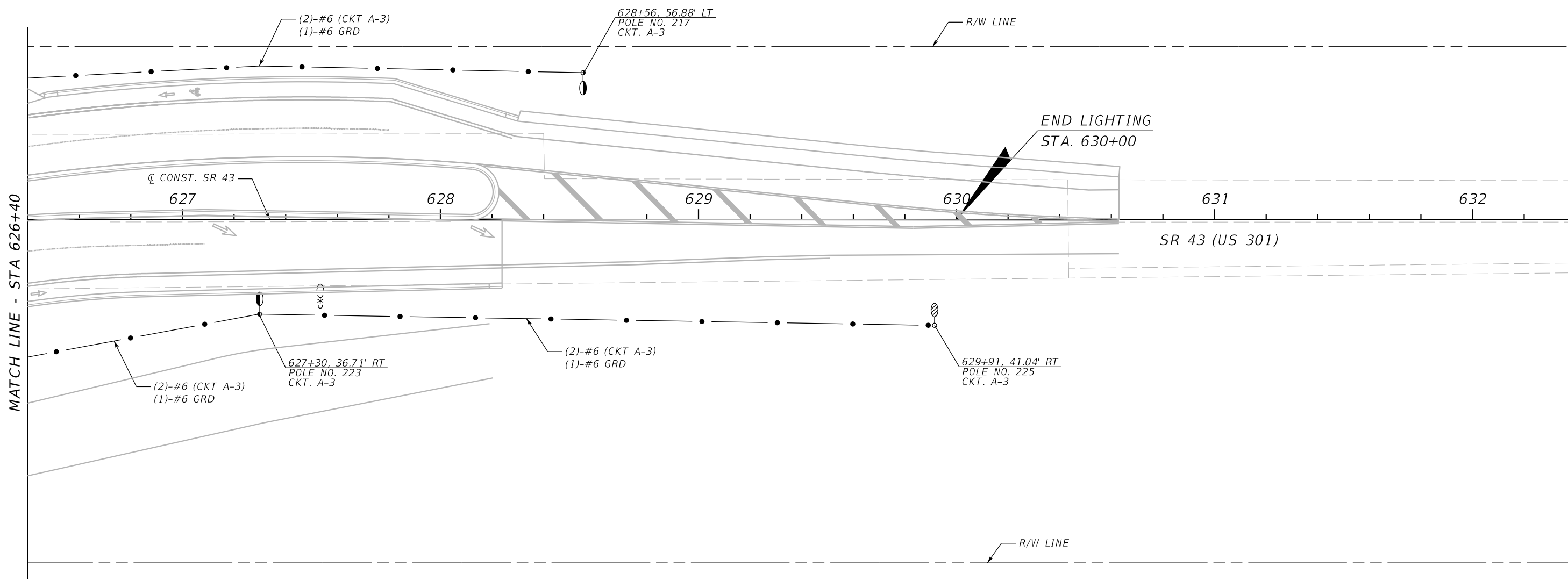
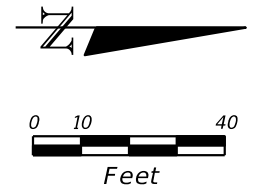
DESCRIPTION

-  149W LED luminaire with single 15' arm. GE Evolve ERLH designed for Type II (Wide) distribution, 4000K CCT, 16,000 lumen output, and wired for 480 volt operation. Use curve ERLH_16B340 or equal. Symbol includes concrete slab and pull box.
-  278W LED luminaire with single 15' arm. GE Evolve ERL2 designed for Type IV distribution, 4000K CCT, 30,000 lumen output, and wired for 480 volt operation. Use curve ERL2_30D340 or equal. Symbol includes concrete slab and pull box.
-  214W LED luminaire with single 15' arm. GE Evolve ERL2 designed for Type IV distribution, 4000K CCT, 25,000 lumen output, and wired for 480 volt operation. Use curve ERL2_25D340 or equal. Symbol includes concrete slab and pull box.
-  177W LED luminaire with single 15' arm. GE Evolve ERL2 designed for Type II (Wide) distribution, 400K CCT, 21,000 lumen output, and wired for 480 volt operation. Use curve ERL2_21B340-347-480V or equal. Symbol includes concrete slab and pull box.
-  Existing single arm pole to remain.
-  Existing single arm pole to be removed.
-  Schedule 40 PVC conduit with THW or THWN conductors inside (conduit and conductor size as shown on plan sheets). Run one (1) copper bond conductor (TW green insulation) inside conduit with other conductors.
-  Schedule 40 PVC conduit directional bored under pavement with THW or THWN conductors inside (conduit and conductor size as shown on plan sheets). Run one (1) copper bond conductor (TW green insulation) inside conduit with other conductors.
-  Pull box. For specifications see Section 635 of the FDOT Standard Specifications for Road And Bridge Construction.

REVISIONS				STANTEC CONSULTING SERVICES INC. ENGINEER OF RECORD: FRANCISCO B. DOMINGO, P.E. NO.: 51601 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FL 34240-8414	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POLE DATA TABLE & LEGEND	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	STANTEC PROJECT NO.		
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	STANTEC PROJECT NO.	
				SR 43	MANATEE	215615900	LIGHTING PLAN	



MATCH LINE - STA 626+40

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	STANTEC PROJECT NO.	
					SR 43	MANATEE	215615900	

LIGHTING PLAN

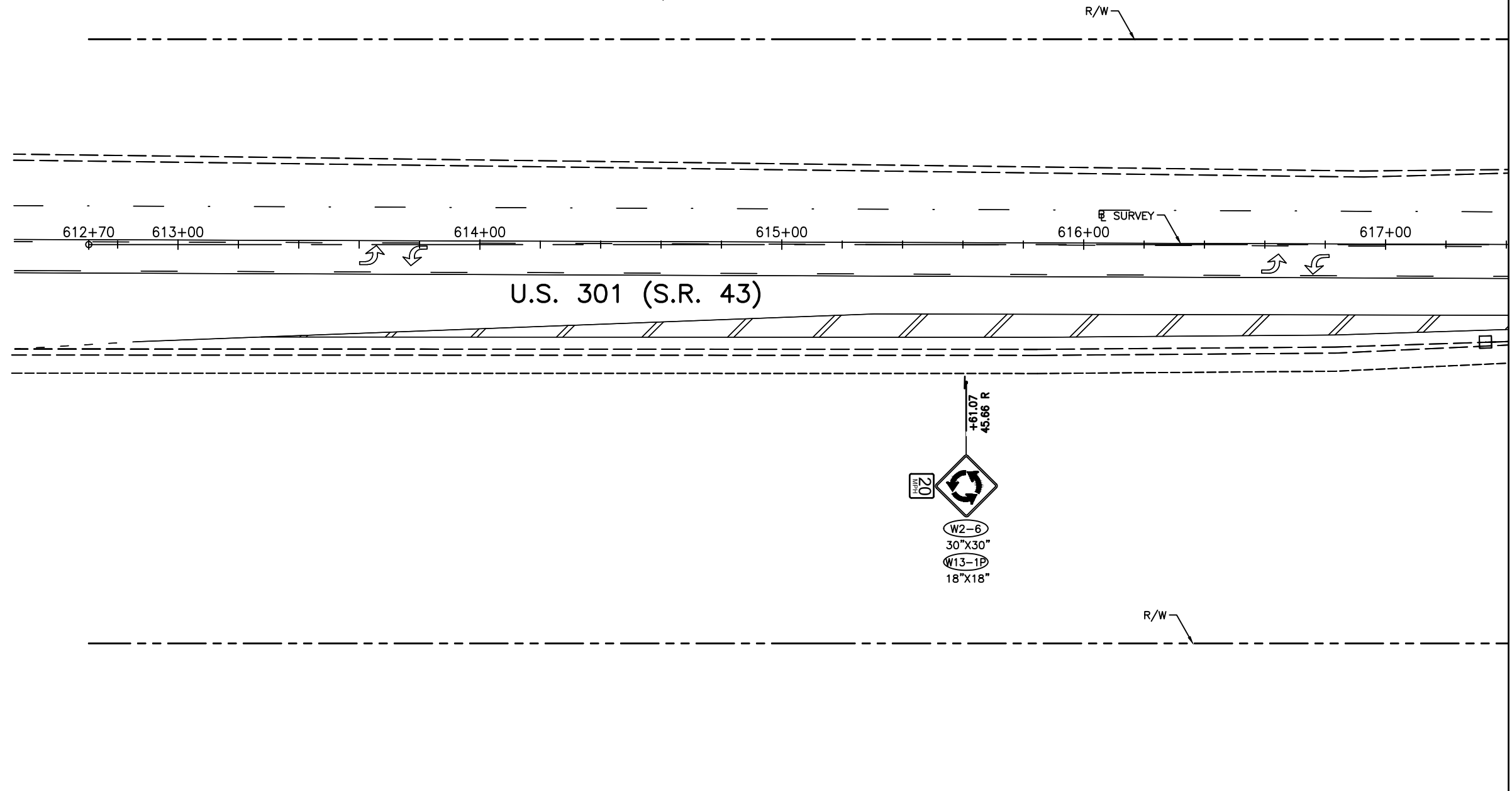
LEGEND:

*
+82.34

ALL STATION OFFSET LABELS ARE BASED OFF US 301 FDOT BASELINE, EXCEPT THOSE NOTED WITH AN "*" THAN LABEL IS BASED OFF THE ADJACENT CONNECTION ROADWAY BASELINE



NOTE:
SIGNAGE AND PAVEMENT MARKING
ACCORDING TO STANDARD PLAN INDEX
706-001, 711-001 AND 711-002



REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PAVEMENT MARKING AND SIGNAGE PLAN (1)	SHEET NO. 55
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	STANTEC PROJECT NO.		
				SR 43	MANATEE COUNTY	215615900		

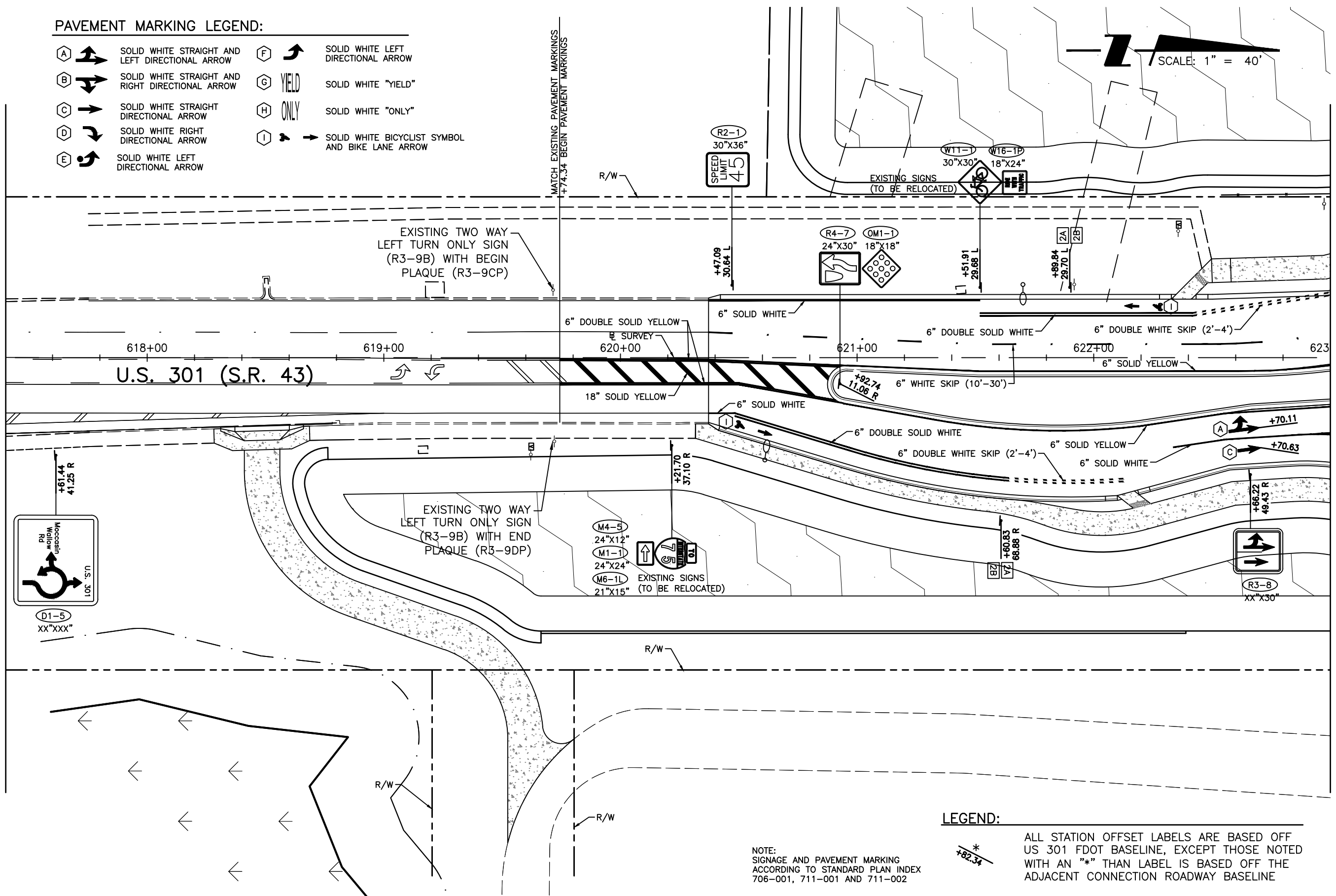
PAVEMENT MARKING LEGEND:

- | | | | |
|-----|-----|-----|---------------------|
| (A) | (F) | (G) | SOLID WHITE "YIELD" |
| (B) | (H) | (I) | SOLID WHITE "ONLY" |
| (C) | | | |
| (D) | | | |
| (E) | | | |

SCALE: 1" = 40'

MATCHLINE STA. 617+40.00

MATCHLINE STA. 623+00.00



LEGEND:

*
+82.34

ALL STATION OFFSET LABELS ARE BASED OFF US 301 FDOT BASELINE, EXCEPT THOSE NOTED WITH AN "*" THAN LABEL IS BASED OFF THE ADJACENT CONNECTION ROADWAY BASELINE

NOTE:
SIGNAGE AND PAVEMENT MARKING
ACCORDING TO STANDARD PLAN INDEX
706-001, 711-001 AND 711-002

REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET NO. 56
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	STANTEC PROJECT NO.	
				SR 43	215615900	

ROBERT A. ENGEL, PE NO. 58602

PAVEMENT MARKING AND SIGNAGE PLAN (2)

MOCCASIN WALLOW ROAD
 STA. 237+00 TO STA. 245+00
 PAVEMENT MARKING AND SIGNAGE
 PROPOSED WITH THE MOCCASIN WALLOW
 ROAD SEGMENT 1 CONSTRUCTION PLANS
 SEE PAVEMENT MARKING AND SIGNAGE
 PLAN (4)

PAVEMENT MARKING LEGEND:

- (A) SOLID WHITE STRAIGHT AND LEFT DIRECTIONAL ARROW
- (B) SOLID WHITE STRAIGHT AND RIGHT DIRECTIONAL ARROW
- (C) SOLID WHITE STRAIGHT DIRECTIONAL ARROW
- (D) SOLID WHITE RIGHT DIRECTIONAL ARROW
- (E) SOLID WHITE LEFT DIRECTIONAL ARROW
- (F) SOLID WHITE LEFT DIRECTIONAL ARROW
- (G) YIELD
- (H) ONLY
- (I) SOLID WHITE BICYCLIST SYMBOL AND BIKE LANE ARROW

NOTE:
 SIGNAGE AND PAVEMENT MARKING
 ACCORDING TO STANDARD PLAN INDEX
 706-001, 711-001 AND 711-002

SIGNAGE LEGEND:

- (1A) 48"X48"X48"
- (2A) 24"X18"
- (R3-17) 24"X18"
- (R1-2) 18"X18"
- (R3-17BP) 18"X18"
- (2B) 18"X18"
- (1) 24"X12"
- (2) 36"X36"
- (W16-7P) 24"X12"
- (W11-2) 36"X36"
- (W16-7P) 24"X12"
- (W11-2) 36"X36"

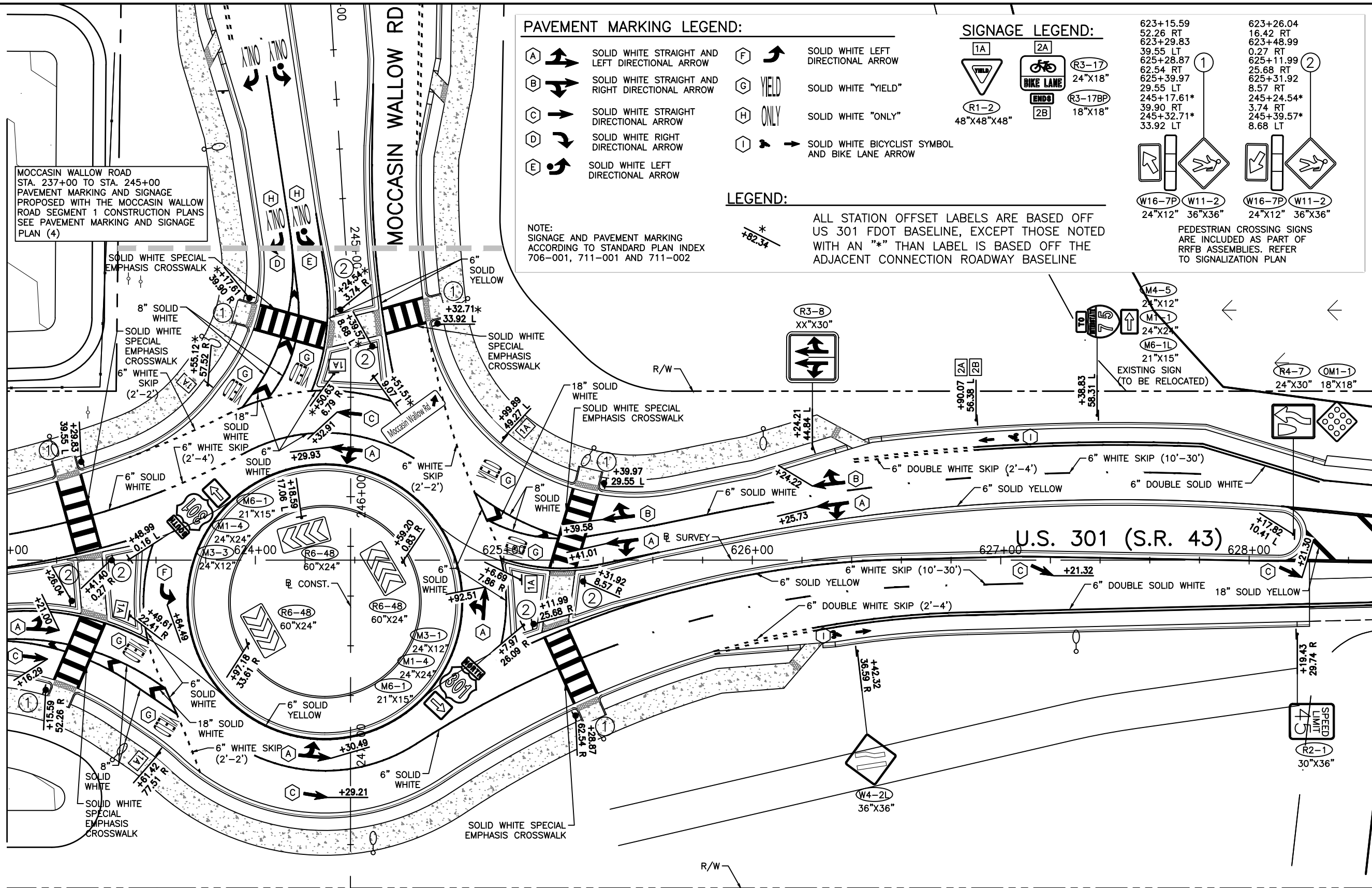
PEDESTRIAN CROSSING SIGNS
 ARE INCLUDED AS PART OF
 RRFB ASSEMBLIES. REFER
 TO SIGNALIZATION PLAN

LEGEND:

ALL STATION OFFSET LABELS ARE BASED OFF
 US 301 FDOT BASELINE, EXCEPT THOSE NOTED
 WITH AN "*" THAN LABEL IS BASED OFF THE
 ADJACENT CONNECTION ROADWAY BASELINE

MATCHLINE STA. 623+00.00

MATCHLINE STA. 628+50.00



SCALE: 1" = 40'

REVISIONS		STANTEC CONSULTING SERVICES, INC.		STATE OF FLORIDA		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNAGE PLAN (3)	
				SR 43	MANATEE COUNTY	57
					215615900	

PAVEMENT MARKING LEGEND:

- (A) SOLID WHITE STRAIGHT AND LEFT DIRECTIONAL ARROW
- (B) SOLID WHITE STRAIGHT AND RIGHT DIRECTIONAL ARROW
- (C) SOLID WHITE STRAIGHT DIRECTIONAL ARROW
- (D) SOLID WHITE RIGHT DIRECTIONAL ARROW
- (E) SOLID WHITE LEFT DIRECTIONAL ARROW
- (F) SOLID WHITE LEFT DIRECTIONAL ARROW
- (G) YIELD SOLID WHITE "YIELD"
- (H) ONLY SOLID WHITE "ONLY"
- (I) SOLID WHITE BICYCLIST SYMBOL AND BIKE LANE ARROW



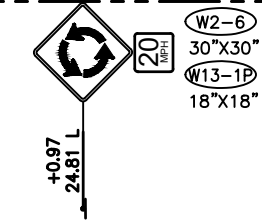
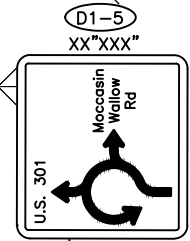
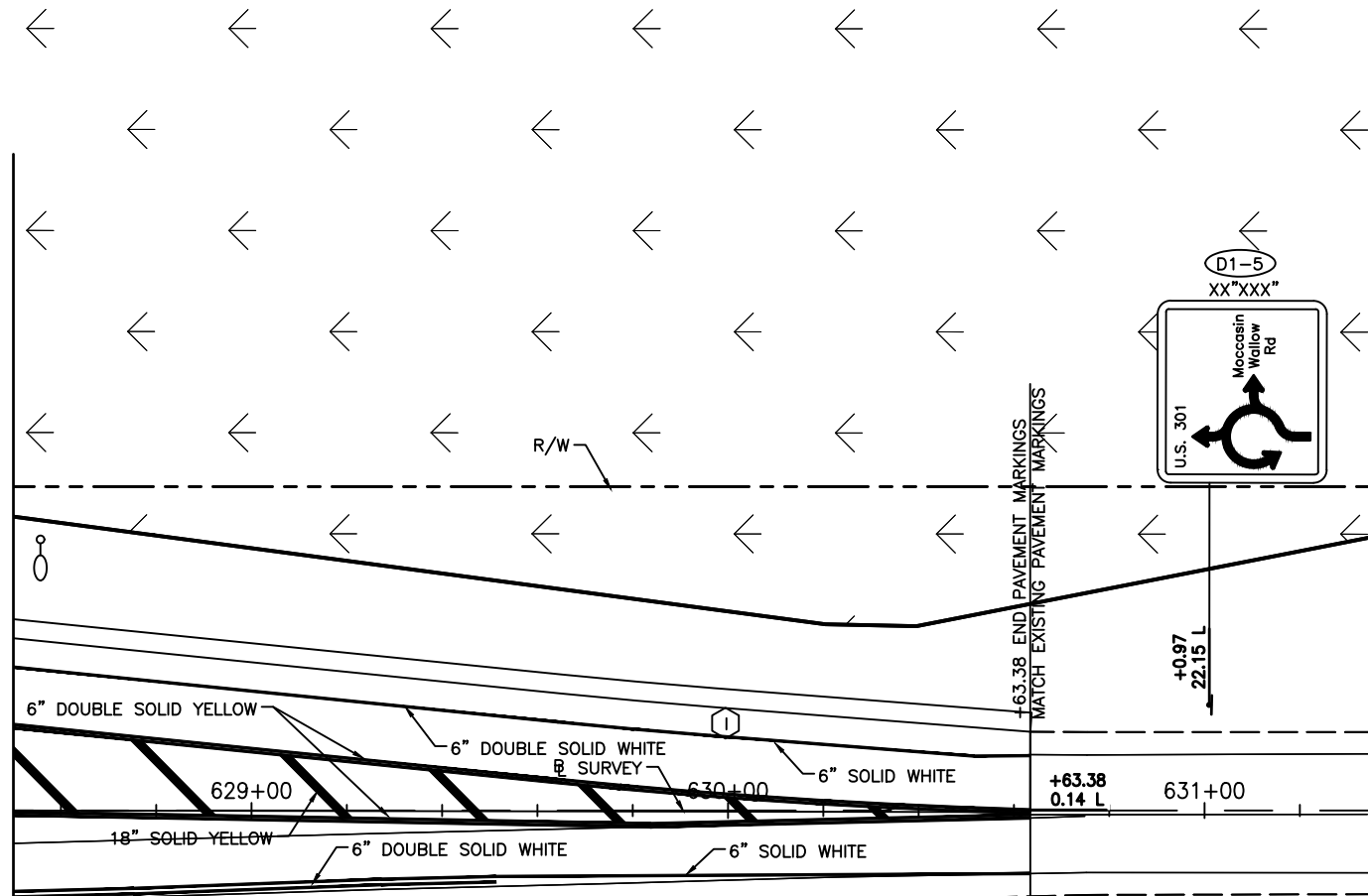
NOTE:
SIGNAGE AND PAVEMENT MARKING
ACCORDING TO STANDARD PLAN INDEX
706-001, 711-001 AND 711-002

LEGEND:

*
+82.34

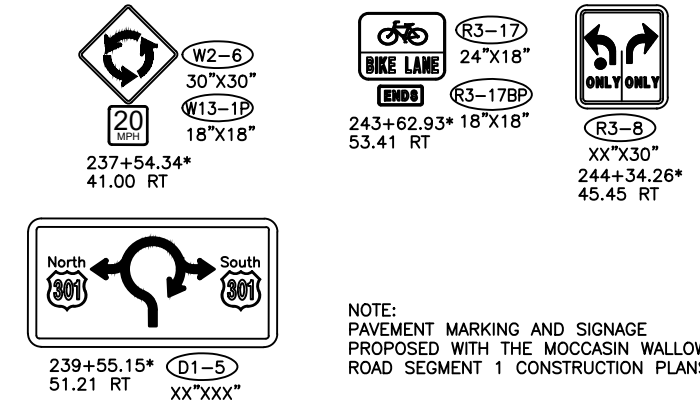
ALL STATION OFFSET LABELS ARE BASED OFF
US 301 FDOT BASELINE, EXCEPT THOSE NOTED
WITH AN "*" THAN LABEL IS BASED OFF THE
ADJACENT CONNECTION ROADWAY BASELINE

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U.S. 301 (S.R. 43)

**MOCCASIN WALLOW ROUNDABOUT SIGNS
STA. 237+00 TO STA. 245+00**

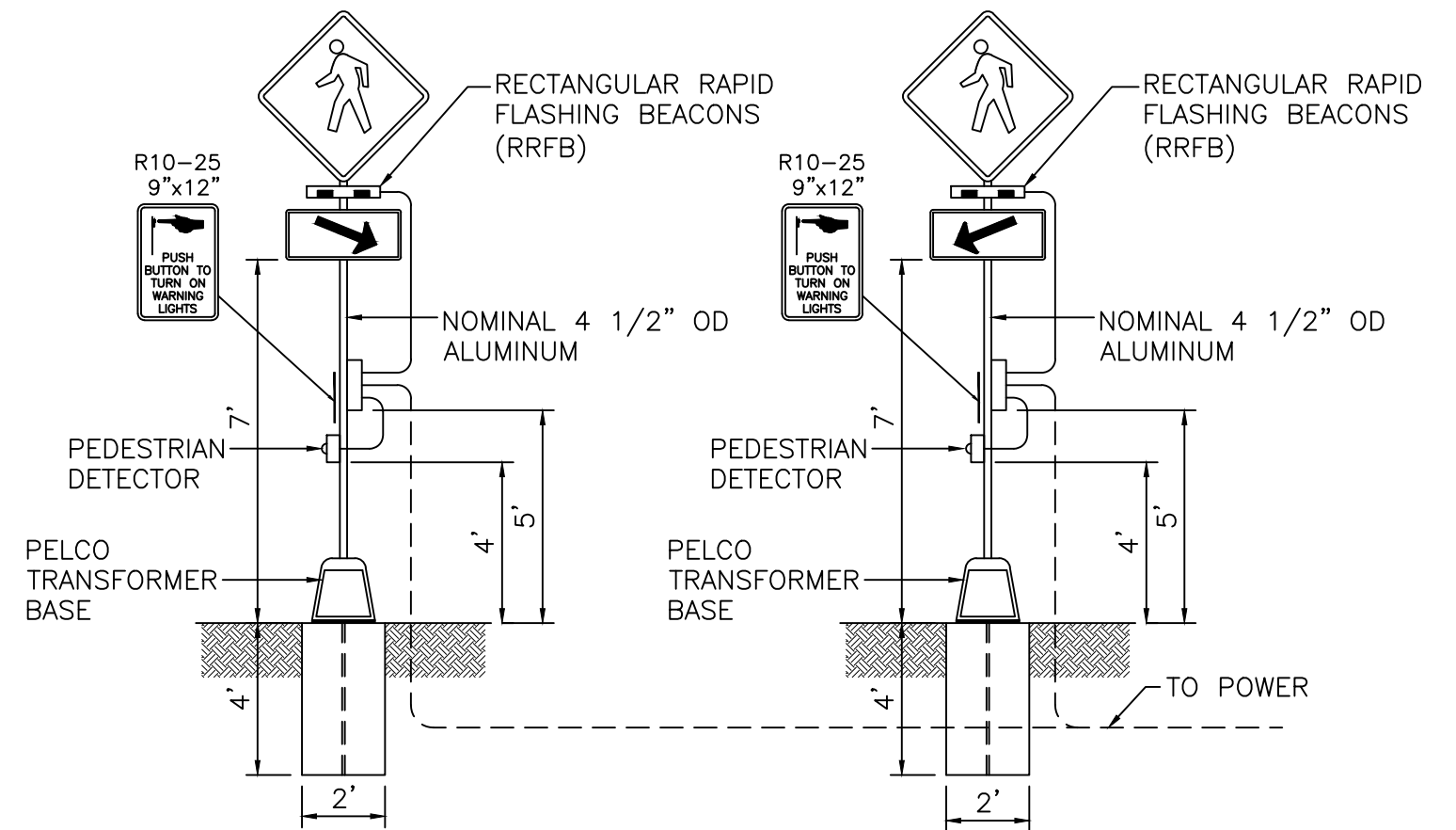


NOTE:
PAVEMENT MARKING AND SIGNAGE
PROPOSED WITH THE MOCCASIN WALLOW
ROAD SEGMENT 1 CONSTRUCTION PLANS

REVISIONS		STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		PAVEMENT MARKING AND SIGNAGE PLAN (4)	SHEET NO.
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SIGNAL LEGEND

- PROPOSED PULL BOX (13"x24")
- PROPOSED PULL BOX (24"x36")
- PROPOSED POST MOUNTED RRFB ASSEMBLY
- PROPOSED ELECTRICAL METER
- PROPOSED RRFB FLASHER ASSEMBLY
- PROPOSED CONDUIT (OPEN TRENCH)
- PROPOSED CONDUIT (DIRECTIONAL TRENCH)



**RECTANGULAR RAPID FLASHING BEACON WIRING DETAIL
(FOR POST MOUNTED INSTALL)**

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DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY		
				SR 43	MANATEE COUNTY	215615900	

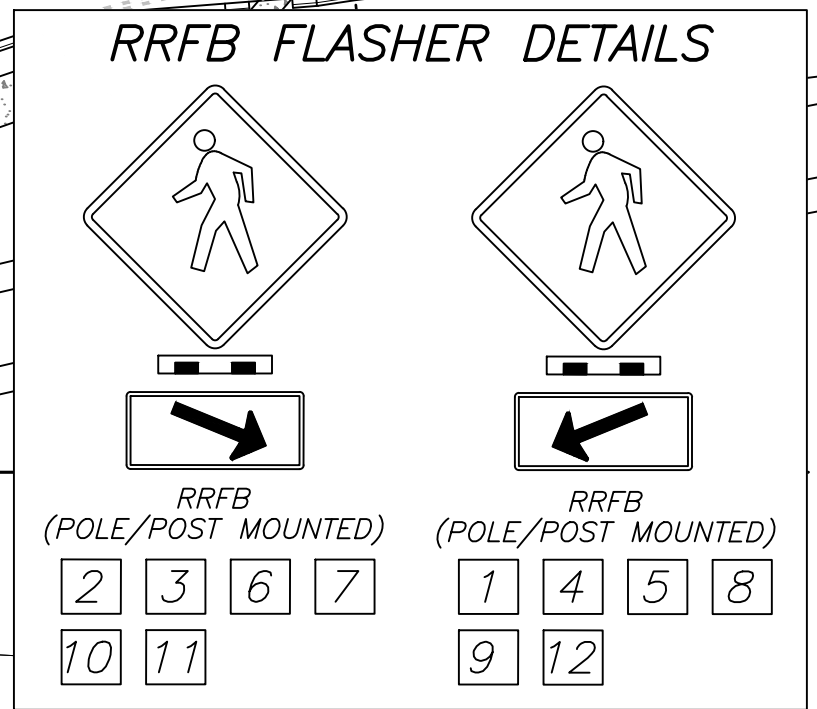
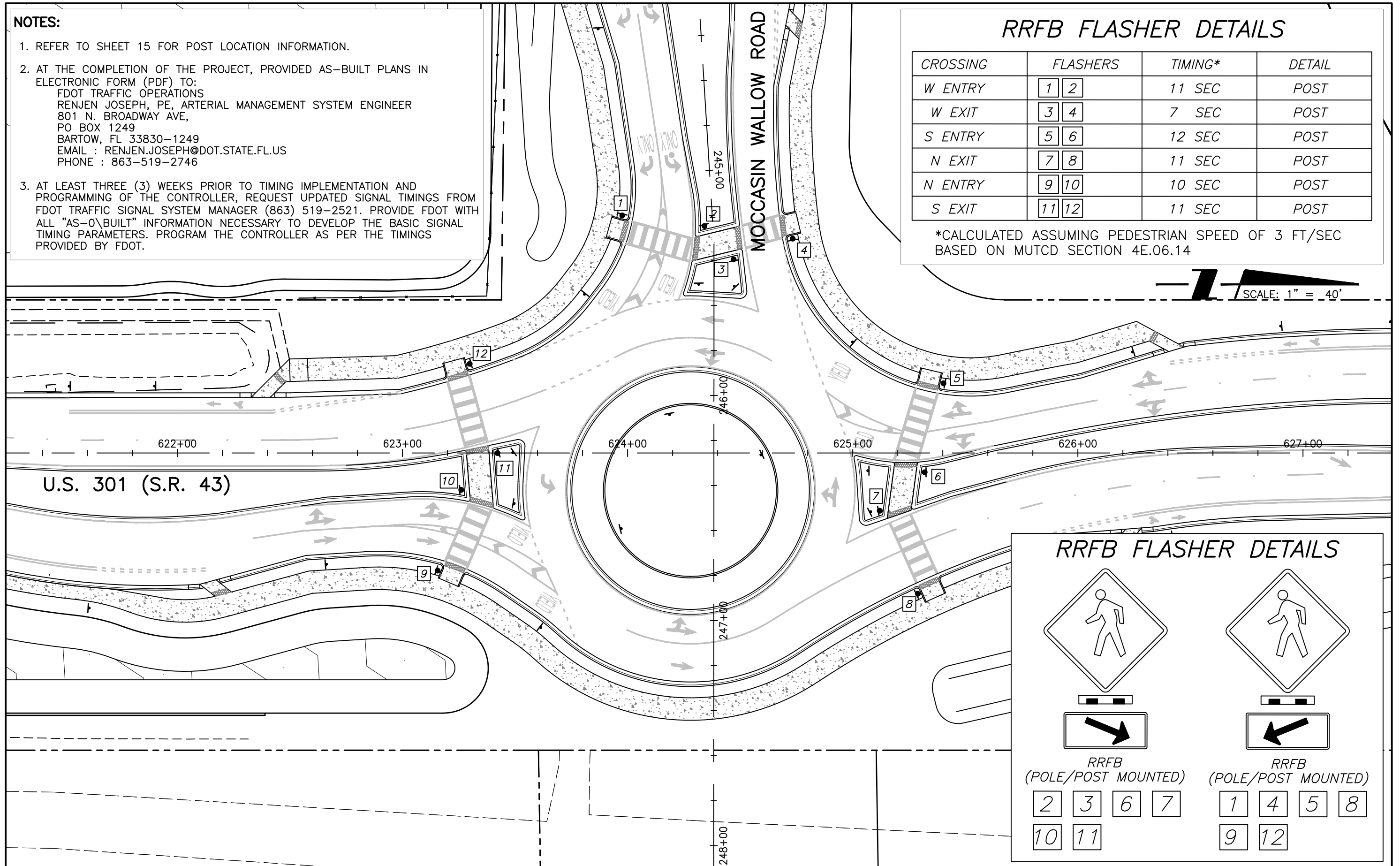
NOTES:

1. REFER TO SHEET 15 FOR POST LOCATION INFORMATION.
2. AT THE COMPLETION OF THE PROJECT, PROVIDED AS-BUILT PLANS IN ELECTRONIC FORM (PDF) TO:
 FDOT TRAFFIC OPERATIONS
 RENJEN JOSEPH, PE, ARTERIAL MANAGEMENT SYSTEM ENGINEER
 801 N. BROADWAY AVE,
 PO BOX 1249
 BARTOW, FL 33830-1249
 EMAIL : RENJEN.JOSEPH@DOT.STATE.FL.US
 PHONE : 863-519-2746
3. AT LEAST THREE (3) WEEKS PRIOR TO TIMING IMPLEMENTATION AND PROGRAMMING OF THE CONTROLLER, REQUEST UPDATED SIGNAL TIMINGS FROM FDOT TRAFFIC SIGNAL SYSTEM MANAGER (863) 519-2521. PROVIDE FDOT WITH ALL "AS-BUILT" INFORMATION NECESSARY TO DEVELOP THE BASIC SIGNAL TIMING PARAMETERS. PROGRAM THE CONTROLLER AS PER THE TIMINGS PROVIDED BY FDOT.

RRFB FLASHER DETAILS

CROSSING	FLASHERS	TIMING*	DETAIL
W ENTRY	1 2	11 SEC	POST
W EXIT	3 4	7 SEC	POST
S ENTRY	5 6	12 SEC	POST
N EXIT	7 8	11 SEC	POST
N ENTRY	9 10	10 SEC	POST
S EXIT	11 12	11 SEC	POST

*CALCULATED ASSUMING PEDESTRIAN SPEED OF 3 FT/SEC BASED ON MUTCD SECTION 4E.06.14



REVISIONS	
DATE	DESCRIPTION

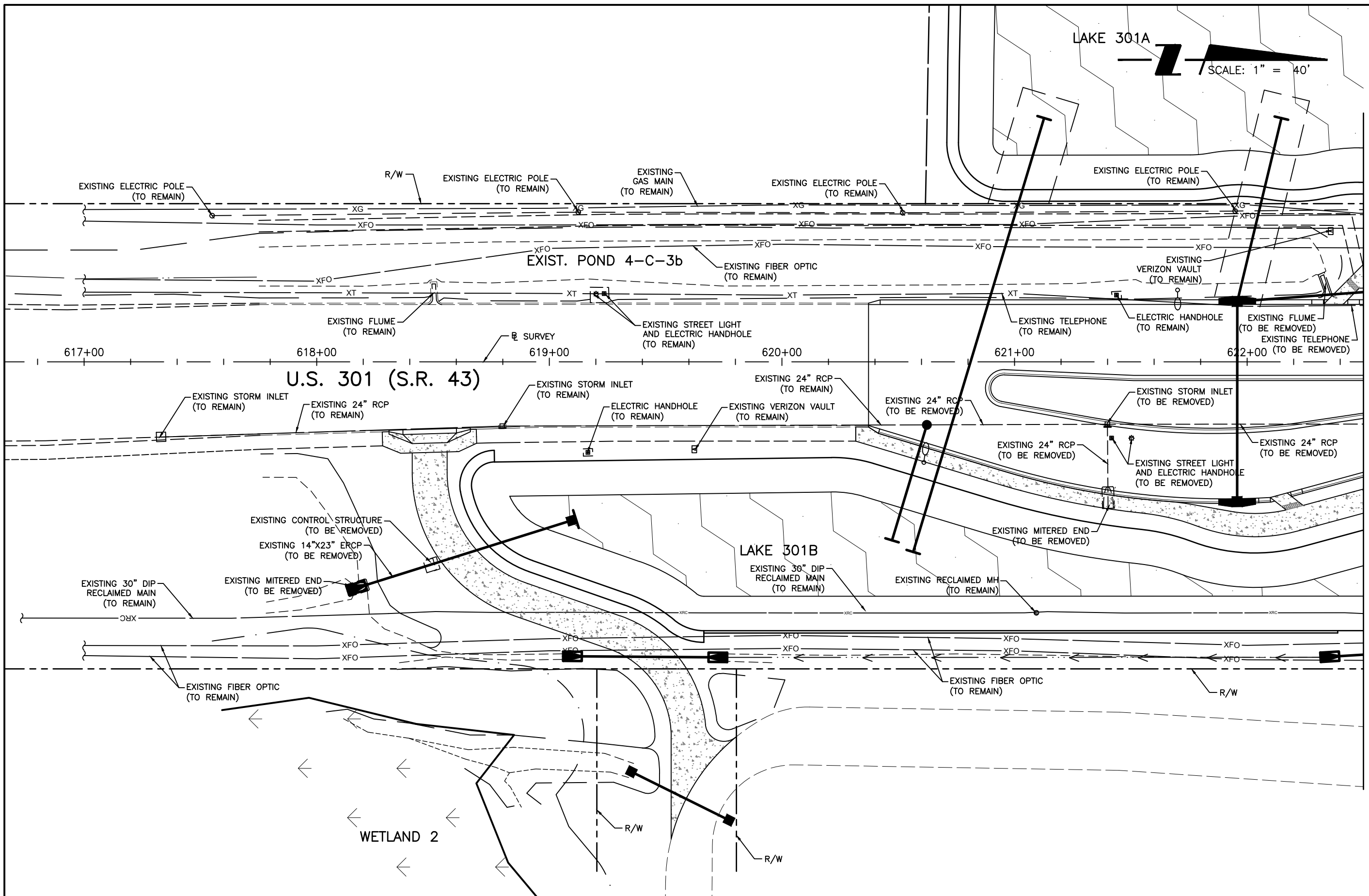
STANTEC CONSULTING SERVICES, INC.
 6920 PROFESSIONAL PARKWAY EAST
 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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SR 43	MANATEE COUNTY	215615900

SIGNALIZATION PLAN

SHEET NO.
60

LAKE 301A
 SCALE: 1" = 40'

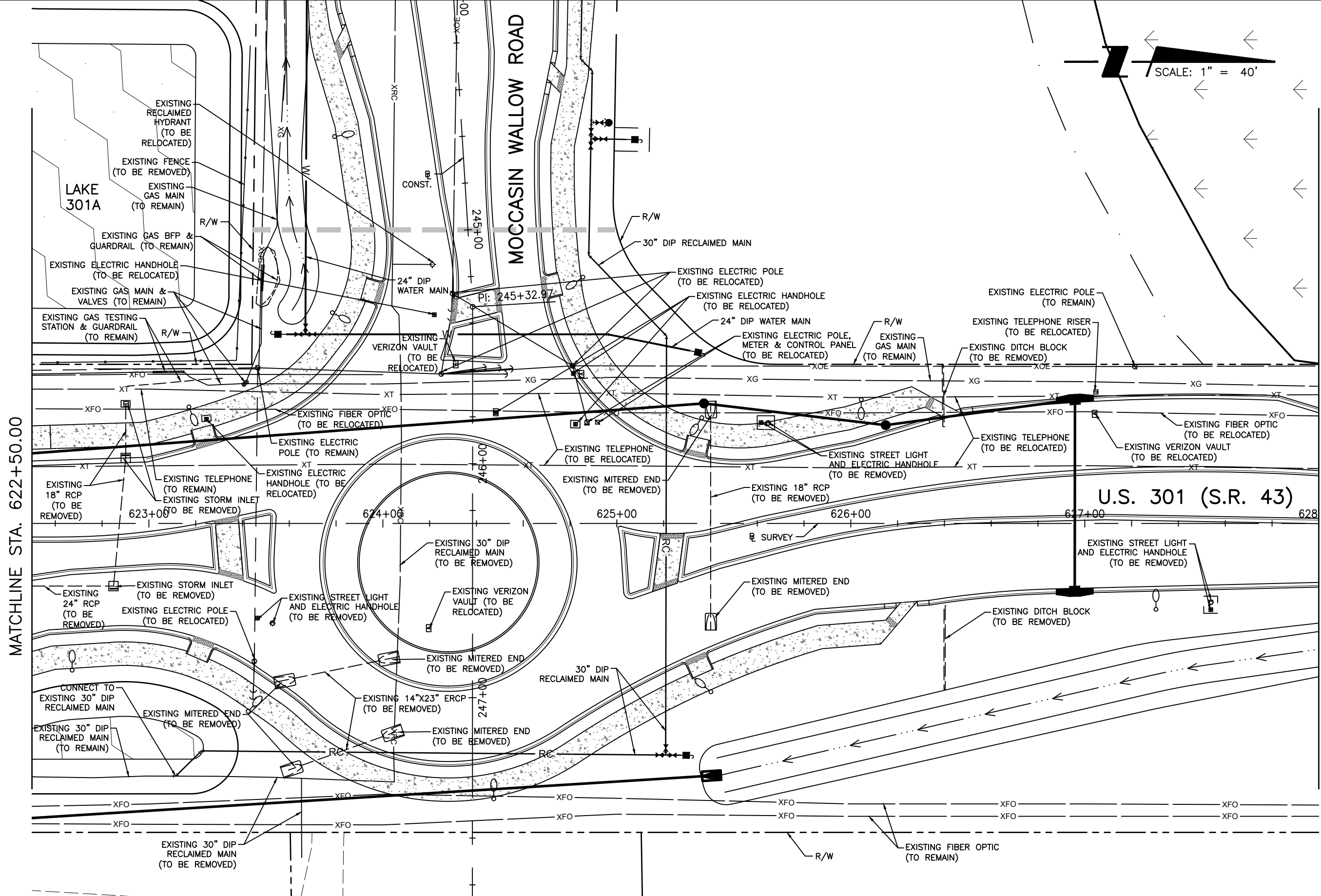


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REVISIONS		STANTEC CONSULTING SERVICES, INC.		STATE OF FLORIDA		UTILITY ADJUSTMENT PLAN (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DEPARTMENT OF TRANSPORTATION			
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 ROBERT A. ENGEL, PE NO. 58602

SCALE: 1" = 40'



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REVISIONS	
DATE	DESCRIPTION

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 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
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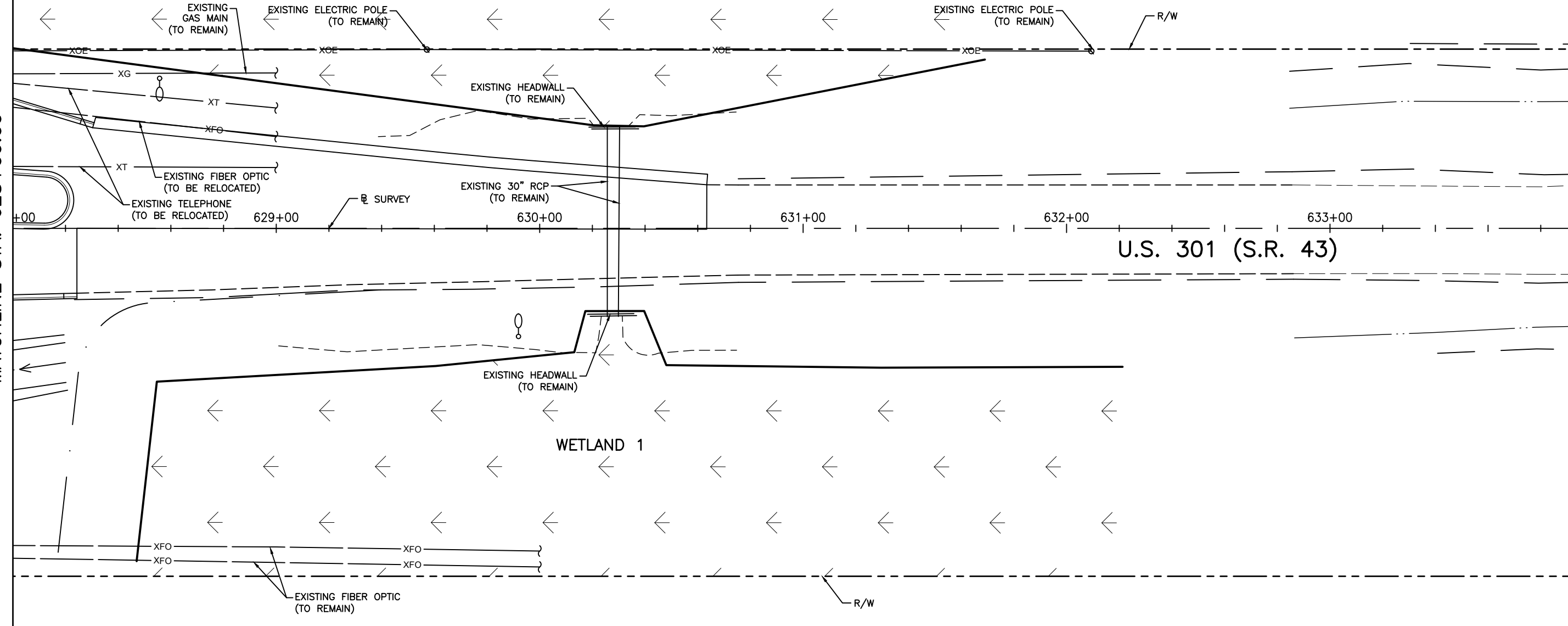
UTILITY ADJUSTMENT PLAN (2)

SHEET NO.
62

WETLAND W37



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REVISIONS	
DATE	DESCRIPTION

STANTEC CONSULTING SERVICES, INC.
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 SARASOTA, FLORIDA 34240-8414
 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	STANTEC PROJECT NO.
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UTILITY ADJUSTMENT PLAN (3)

SHEET NO.
63

1. SITE DESCRIPTION

(1) NATURE OF CONSTRUCTION ACTIVITY

THE PROPOSED IMPROVEMENTS TO U.S. 301 (S.R. 43) ARE TO BE PERFORMED FROM MP X.XX TO MP X.XX IN MANATEE COUNTY. THE EXISTING INTERSECTION IS A THREE LEG INTERSECTION WITH A STOP CONDITION ON MOCCASIN WALLOW ROAD. THE PROPOSED IMPROVEMENTS WILL CONVERT THIS INTERSECTION TO A THREE LEG ROUNDABOUT.

(2) SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES

- (a) THE CONTRACTOR SHALL BE REQUIRED TO PREPARE A SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN ALONG WITH A DETAILED CONSTRUCTION SCHEDULE TO INDICATE DATES OF MAJOR GRADING ACTIVITIES AND DETERMINE SEQUENCES OF TEMPORARY AND PERMANENT SOIL DISTURBING ACTIVITIES ON ALL PORTIONS OF THE PROJECT
- (b) THE CONTRACTOR WILL BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS, CONSTRUCTION ACTIVITY VARIATIONS, OR AS DIRECTED BY THE ENGINEER
- (c) APPLICABLE EROSION AND SEDIMENT CONTROL DEVICES AND IMPLEMENTATION PROCEDURES ARE SUPPLIES IN THE FDOT STANDARD INDEXES AND THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEW MANUAL (E&SC MANUAL)
- (d) THE ENGINEER IS RESPONSIBLE FOR DETERMINING IF ANY MODIFICATIONS OR ADDITIONAL CONTROLS ARE REQUIRED AND TO OBTAIN DEPLOYMENT SCHEDULES FOR THE IMPLEMENTATION OF ALL ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES FROM THE CONTRACTOR

(3) GENERAL NOTES

- (a) ALL EROSION AND SEDIMENT CONTROL DEVICES FOR EACH PHASE OF WORK ARE TO BE INSTALLED PRIOR TO BEGINNING WORK ON THAT PHASE
- (b) INSTALL EROSION AND SEDIMENT CONTROL DEVICES WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR PERIMETER CONTROLS BEFORE THE LAND IS DISTURBED
- (c) PROVIDE SEDIMENT BARRIERS WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR DITCH/SWALE CHECK DAMS DURING CONSTRUCTION
- (d) PROVIDE INLET PROTECTION SYSTEMS AT INLET OPENINGS
- (e) COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE
- (f) DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED
- (g) TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CLIMATE CHANGES OR WEATHER EVENTS
- (h) DO NOT REMOVE PERIMETER CONTROLS UNTIL ALL UPSTREAM AREAS ARE FULLY STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED

(4) PROJECT AREAS

THE ESTIMATED TOTAL PROJECT AREA IS 7.33 ACRES.

(5) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE

THE SOILS WITHIN THE PROJECT ARE MAINLY WET, FINE SANDY SOILS. A ROADWAY SOIL SURVEY IS CONTAINED IN THE CONSTRUCTION PLANS

SOIL TYPE	HYDROLOGIC GROUP	DEPTH TO SHWE
EAUGALLIE--EAUGALLIE WET, FINE SAND, 0-2% SLOPES (86%)	A/D	1.15' TO 3.10'
FLORIDANA--IMMOKALEE--OKEELANTA ASSOCIATION (4.2%)	C/D	2.75'
PALMETTO SAND (9.7%)	A/D	2.15'

REFERENCE : USGS WEB SOIL SURVEY

(6) RECEIVING WATERS

BUFFALO CANAL/ FROG CREEK

(7) IMPAIRED LAKES

THE BUFFALO CANAL/FROG CREEK OUTFALLS ARE 303(D) LISTED, IMPAIRED FOR PARAMETERS SUCH AS DISSOLVED OXYGEN AND FECAL COLIFORM

(8) OUTFALL LOCATIONS

#	SIZE	LATITUDE	LONGITUDE	STATION
CS-301	36" RCP	N27°35'33"	W82°25'31"	619+9.52

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(9) WETLAND AND/OR SURFACE WATER IMPRACTS ARE LIMITED TO THE AREAS DESCRIBED IN THE APPROVED PERMITS FOR THE PROJECT

- (10)
- (a) EXISTING DRAINAGE FLOWS ARE TYPICALLY OVERLAND ROADSIDE DITCHES TO CROSS DRAINS EAST AND WEST TO RECEIVING WATER
 - (b) OFF-SITE 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
 - (c) THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION. SEDIMENT CONTROL WILL BE ACCOMPLISHED BY USING STREET OR VACUUM SWEEPERS
 - (d) STORMWATER RUNOFF SHALL BE CONVEYED TO EITHER TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS AND/OR TO PERMANENT STORMWATER MANAGEMENT FACILITIES (TREATMENT AND ATTENUATION PONDS). 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 PLUGGED WHEN TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS OR PERMANENT STORMWATER MANAGEMENT FACILITIES ARE USED FOR EROSION AND SEDIMENT CONTROL
 - (e) THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT UNAUTHORIZED MATERIALS FROM ENTERING WETLANDS, WATERWAYS, OTHER SURFACE WATERS OR WATERS OF THE U.S.

2. CONTROLS

SEDIMENT AND EROSION CONTROLS

(1) WATER QUALITY MONITORING

- (a) 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 PROJECT ADMINISTRATOR
- (b) THE PROJECT ADMINISTRATOR WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATED TO TURBIDITY (NO GREATERS THAN 29 NTU'S ABOVE BACKGROUND OR GREATER THAN 0 NTU'S ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFW'S)
- (c) IF WATER QUALITY STANDARDS ARE VIOLATED, CONSTRUCTION SHALL BE STOPPED IMMEDIATELY, THE ENVIRONMENTAL 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 NTU'S ABOVE BACKGROUND OR LESS THAN 0 NTU'S ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFW'S)
- (d) WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION AS DIRECTED BY THE PROJECT ENGINEER

(2) STABILIZATION PRACTICES:

- (a) STABILIZATION MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO MAINTAINING, ESTABLISHING AND USING VEGETATION, APPLYING MULCHES, SODDING, SEEDING, BMP'S AND THE USE OF ROLLED EROSION CONTROLLED PRODUCTS. WHEN CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, SIDE SLOPES SHALL BE STABILIZED WHEN PERFORMANCE SODDING OR SEEDING OR ANY OTHER APPROVED METHOD OF STABILIZATION INCLUDED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEW MANUAL (E&SC MANUAL)
- (b) STABILIZATION SHALL TAKE PLACE AS 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
- (c) ALL EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO THE CONTRACT DOCUMENTS, AND THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN
- (d) ANY TEMPORARY MATERIAL USED FOR POLLUTION OR EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT AND FINAL STABILIZATION OF THE PROJECT HAS BEEN ACHIEVED
- (e) SEDIMENT BARRIERS SHOULD BE USED ALONG THE LENGTH OF THE PROJECT WHERE THE GROUND SLOPES AWAY FROM THE RIGHT OF WAY OR WHERE THERE IS POTENTIAL FOR SEDIMENT TO BE DIRECTED OFF-SITE. PARTICULAR CARE SHOULD BE USED WHEN THERE ARE WETLANDS OR WATER OF THE U.S. ARE INVOLVED. SEDIMENT BARRIERS SHOULD BE USED AROUND THE PERIMETER OF THE STOCKPILE AREAS.
- (f) SPACING OF SEDIMENT BARRIERS USED AS DITCH OR SWALE CHECKS/DAMS SHOULD BE BASED UPON THE HEIGHT OF THE BARRIER AND THE SLOPE OF THE DITCH OR SWALE
- (g) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING SOIL TRACKING PREVENTION SYSTEMS OR PROCEDURES AS NEEDED

3. STRUCTURAL PRACTICES FOR EROSION AND SEDIMENT CONTROL

(a) ROLLED EROSION CONTROL PRODUCTS (ARTIFICIAL COVERINGS)

PURPOSE: TO PROTECT DISTURBED SLOPE SURFACES AGAINST EROSION DUE TO RAINFALL OR FLOWING WATER.

- (I) USED FOR PAUSES IN CONSTRUCTION DUE TO INCLEMENT WEATHER OR OTHER CIRCUMSTANCES. COULD INCLUDE NATURAL OR SYNTHETIC FIBER MATS, PLASTIC SHEETING OR NETS
- (J) USED FOR EROSION CONTROL THAT FACILITATES PLANT GROWTH WHILE PERMANENT GRASS IS ESTABLISHED. COULD INCLUDE BIODEGRADABLE EROSION CONTROL BLANKETS INSTALLED ON A SEEDED AREA, ON FILL SLOPES OR IN DITCHES
- (K) USED TO STABILIZE DRAINAGE CHANNELS. CONSULT E&SC MANUAL TO DETERMINE CORRECT PRODUCT TYPE FOR CHANNEL STABILIZATION.

(b) RUNOFF CONTROL STRUCTURE (TEMPORARY SLOPE DRAIN)

PURPOSE: TO PROTECT HILLSIDE SURFACES AGAINST EROSION DUE TO CONCENTRATED FLOW OF RUNOFF WATER

- (I) USED ON FILL SLOPES AND CUT SLOPES TO REDUCED SEDIMENT TRANSPORT AND COULD INCLUDE TEMPORARY SLOPE DRAINS, GRASS-LINED CHANNELS, ROCK-LINED CHANNELS AND CHECK DAMS
- (J) RUNOFF CONTROL STRUCTURES TYPICALLY DISCHARGE TO A SEDIMENT BASIN

(c) SEDIMENT BASIN (CONTAINMENT SYSTEM)

PURPOSE: A CONTAINMENT SYSTEM IS DESIGNED TO DETAIN AN ADEQUATE VOLUME OF RUNOFF, REDUCE THE VELOCITY OF FLOW THROUGH THE SYSTEM, ALLOW FOR SETTLEMENT OF SUSPENDED SOLIDS AND REGULATE THE DISCHARGE RATE FROM THE SEDIMENT BASINS

- (I) SEDIMENT BASINS MUST BE PLACED IN STRATEGIC LOCATIONS WITHIN THE ACTIVE AREAS OF CONSTRUCTION. CONTRIBUTING AREA AND SIZE OF TARGET SOIL PARTICLE WILL DICTATE WHETHER THE SEDIMENT BASIN WILL BE TYPE 1, TYPE 2, OR TYPE 3 SYSTEM
- (J) THE USE OF SMALLER PRE-SEDIMENTATION BASINS USED IN CONJUNCTION WITH LARGER PERMANENT RETENTION/ DETENTION PONDS ARE EFFECTIVE IN CAPTURING LARGER VOLUME OF SEDIMENTS. THIS TECHNIQUE REQUIRES PERIODICALLY SCHEDULED REMOVAL OF THE ACCUMULATED SEDIMENTS

(d) SEDIMENT BARRIERS (TEMPORARY CONSTRUCTION SITE BMP'S)

PURPOSE: SEDIMENT BARRIERS EITHER OBSTRUCT FLOW OR PREVENT THE PASSAGE OF WATER WHILE CONSTRUCTION ACTIVITIES OCCUR. SMALLER SEDIMENT BARRIERS MAY FUNCTION AS A SMALL SEDIMENT CONTAINMENT SYSTEM OR AS A METHOD TO REDUCE FLOW VELOCITY

- (I) THESE CONSTRUCTION BMP'S CAN INCLUDE SYNTHETIC BALES, STAKED SILT FENCE, TURBIDITY BARRIER, STORM SEWER INLET BARRIERS, ROCK BARRIERS, GEOSYNTHETIC BARRIERS, ETC.
- (J) APPROPRIATE LOCATIONS INCLUDE SITE PERIMETER, BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION, BELOW TOE OF EXPOSED AND ERODIBLE SLOPES, ALONG THE TOE OF STREAM AND CHANNEL BANKS, AROUND DRAINS AND INLETS LOCATED IN LOWPOINTS OR THE DOWNSTREAM EDGE OF AREAS UNDERGOING VERTICAL OR BOX CULVERT CONSTRUCTION ACTIVITIES
- (K) INAPPROPRIATE LOCATIONS FOR THESE SAME MEASURES INCLUDE PARALLEL TO A HILLSIDE CONTOUR, IN CHANNEL WITH CONCENTRATED FLOW (UNLESS PROPERLY REINFORCED), UPSTREAM OR DOWNSTREAM OF CULVERTS WITH CONCENTRATED FLOW, IN FRONT OF OR AROUND INLETS ON A GRADE WITH CONCENTRATED FLOW OR IN FLOWING STREAMS

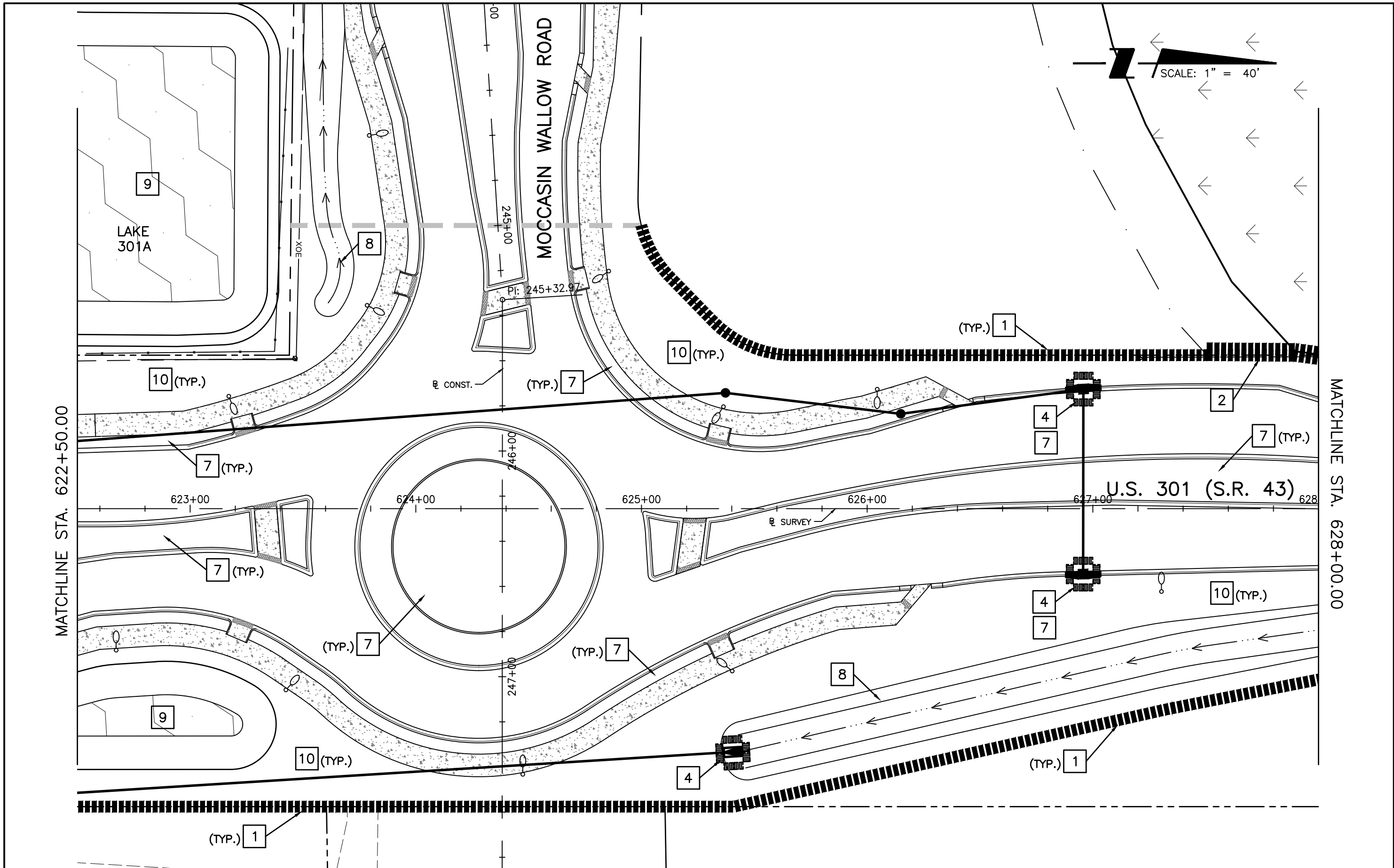
REVISIONS				STANTEC CONSULTING SERVICES, INC. 6920 PROFESSIONAL PARKWAY EAST SARASOTA, FLORIDA 34240-8414 FBPE CERT. OF AUTH NO. 27013 ROBERT A. ENGEL, PE NO. 58602	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORMWATER POLLUTION PREVENTION PLAN (2)	SHEET NO. 65
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- (e) FLOATING TURBIDITY BARRIER
PURPOSE: USED IN PERMANENT BODIES OF WATER TO RETAIN SEDIMENT AND FLOATING DEBRIS FROM A CONSTRUCTION AREA SO THAT REMOVAL OR CONTAINMENT OF THE MATERIAL IS POSSIBLE. THEY ARE ALSO USED TO CONTROL MIGRATION OF SUSPENDED SEDIMENTS
 - (I) TYPE I, LIGHT DUTY, IS USED WHERE THERE IS LITTLE OR NO CURRENT, NO WIND AND NO WAVE ACTION.
 - (J) TYPE II, MODERATE DUTY, IS USED WITH SOME CURRENT (<3.5 FT PER SECOND), AND SOME EXPOSURE TO WIND
 - (K) TYPE III, HEAVY DUTY, IS USED WITH GREATER CURRENT (3.5 – 5.0 FT PER SECOND), MODERATE WIND AND WAVE ACTION
 - (L) BARRIER MUST BE ATTACHED AT BOTH ENDS AND WEIGHTED ON THE BOTTOM
 - (M) MULTIPLES LINES OF BARRIER MAY BE USED IN CIRCUMSTANCES FOR ADDITIONAL PROTECTION
 - (N) STANDARD PANELS FOR WATER DEPTHS ARE 5.0'. ADDITIONAL PANELS CAN BE USED FOR WATER DEPTHS > 5.0'
 - (f) STAKED TURBIDITY BARRIER
PURPOSE: THIS ITEM IS COMMONLY USED IN AREAS WHERE CONTINUOUS CONSTRUCTION ACTIVITIES CHANGE THE NATURAL CONTOURS AND DRAINAGE RUNOFF PATTERNS.
 - (I) COMMONLY USED IN LAKES AND STREAMS AS A SEDIMENT CONTAINMENT SYSTEM. SHOULD NOT BE USED WHERE WATER CURRENTS MOVE THE CURTAIN AND DISLodge COLLECTED SEDIMENTS
 - (J) MAXIMUM DEPTH OF PANEL IS 3'-8"
 - (K) POST MUST BE A MINIMUM LENGTH OF 5.0' AND A MINIMUM OF 10" OF FABRIC MUST BE IMBEDDED IN THE GROUND
 - (g) INLET PROTECTION SYSTEM
PURPOSE: ANY OF A NUMBER OF SEDIMENT BARRIERS THAT EITHER PREVENT SEDIMENT FROM ENTERING AN INLET OR TRAP THE SEDIMENTS ONCE THEY ENTER THE INLET
 - (I) TYPICAL APPLICATIONS INCLUDE ROCK BARRIERS, FRAME AND FILTER BARRIERS, CURB INLET "SUMP" BARRIER, CURB INLET DIVERSION BERM, CURB AND GUTTER SEDIMENT CONTAINMENT SYSTEM OR CURB INLET INSET
 - (J) SHOULD BE INSTALLED ONLY WHEN CONSTRUCTION ACTIVITIES ARE ONGOING AND ONLY WHERE THE SUMP CONDITIONS EXIST
 - (K) SHOULD NOT BE USED WHEN CONSTRUCTION IS COMPLETE AND SHOULD NOT BE USED IN AREAS WHERE FLOODING COULD ENCROACH INTO THE TRAVEL LAENS
 - (h) SOIL TRACKING PREVENTION DEVICE
PURPOSE: TEMPORARY STRUCTURES TO ASSIST WITH THE REMOVAL OF SOIL MATERIALS CAPTURED ON VEHICLE TIRES BEFORE THE VEHICLES ENTER THE ROADWAY
 - (L) USE ONE DEVICE PER MILE
 - (M) USE ADDITIONAL DEVICES FOR CONSTRUCTION AREAS THAT ARE NOT ADJACENT TO THE ROAD RIGHT OF WAY AND NO ACCESS IS PROVIDED THROUGH A SOIL TRACKING PREVENTION DEVICE.
 - (N) RRR PROJECTS SHOULD BE HANDLED ON A CASE BY CASE BASIS
4. CHEMICAL TREATMENTS FOR EROSION AND SEDIMENT CONTROL
- (a) CHEMICAL TREATMENT – POLYACRLAMIDES (PAM AND PAM BLENDS)
PURPOSE: REDUCE SOIL EROSION THROUGH SOIL BINDING, USED AS A WATER TREATMENT ADDITIVE TO REMOVE SUSPENDED SOLIDS FROM RUNOFF, PROVIDES APPROPRIATE MEDIUM FOR GROWTH OF VEGETATION FOR STABILIZATION AND INCREASES INFILTRATION BY INCREASING SIZE OF SOIL PARTICLE
 - (I) CAN BE USED ON DISTURBED SOILS. CAN BE USED IN CONJUNCTION WITH OTHER BMP'S TO ENHANCE PERFORMANCE. CAN BE APPLIED IN DISSOLVED FORM WITH WATER, CAN BE USED AS A DRY POWDER, CAN BE USED IN GRANULAR FORM OR MAY BE USED IN THE FORM OF FLOC LOGS
 - (J) HIGHER CONCENTRATIONS OF PAM'S DONT INCREASE THE EFFECTIVENESS OF THE PRODUCT
 - (K) ACTIVELY WORKED AREAS WILL REQUIRE REAPPLICATION TO REMAIN EFFECTIVE
 - (L) PAM SHOULD NOT BE USED WHERE THERE IS A POTENTIAL FOR EQUIPMENT CLOGGING OR TOXICITY IS A CONCERN
 - (h) CHEMICAL TREATMENT – ALUM
PURPOSE: REMOVE SUSPENDED SOLIDS AND POLLUTANTS BY ENMESHMENT AND ABSORPTION INTO ALUM. COLLECT FLOCS OF SUSPENDED SEDIMENT IN RUNOFF AND STORE THEM IN SEDIMENT BASINS OR STORMWATER MANAGEMENT FACILITIES
 - (M) ALUM IS INJECTED INTO THE FLOW STREAM CONTAINING TURBID WATER. INJECTION IS CONTROLLED BY VARIABLE SPEED CHEMICAL PUMP TO FEED ALUM AT MULTIPLE TREATMENT POINTS. ALUM TREATMENT IS EFFECTIVE IN TREATMENT OF RUNOFF THAT CONTAINS LIMEROCK FROM UNPAVED SURFACES
 - (N) ALUM TREATMENT REQUIRES CLOSE MONITORING OF DOSAGE. COMBINATION WITH OTHER COMPOUNDS MAY VIOLATE TOXICITY REQUIREMENTS AND THE USE OF ALUM MAY LOWER Ph LEVELS
- NOTE: THIS PAY ITEM IS CONSIDERED A CONTRACTOR'S OPTION FOR SEDIMENT CONTROL ISSUES THAT ARE PROJECT/SITE SPECIFIC. NOT TO BE USED IN THE DESIGN PROCESS WITHOUT CONTACTING LARRY RITCHIE IN THE STATE CONSTRUCTION OFFICE.
5. DEWATERING OPERATIONS
DESCRIPTION: DEWATERING OPERATIONS ARE PRACTICES THAT MANAGE THE DISCHARGE OF TURBID WATER WHEN WATERS OTHER THAN STORMWATER AND ACCUMULATED SURFACE WATERS MUST BE REMOVED FROM A LOCATION SO THAT CONSTRUCTION WORK MAY BE ACCOMPLISHED. THESE WATERS CAN INCLUDE GROUNDWATER, WATER FROM COFFERDAMS, WATER DIVERSIONS AND WATERS USED DURING CONSTRUCTION THAT MUST BE REMOVED FROM A WORK AREA
- (a) ENVIRONMENTAL AGENCIES ARE ESPECIALLY CONCERNED WITH THE PROTECTION OF WETLANDS FROM DRAWDOWN EFFECTS, PROTECTING RECEIVING BODIES FROM SEDIMENTATION AND POSSIBLE CAPACITY LIMITATIONS
 - (b) THREE PRIMARY METHODS OF DEWATERING COMMONLY USED IN FLORIDA ARE RIM-DITCHING, SOCK/PIPE/HORIZONTAL WELLS AND WELL-POINT SYSTEMS
 - (c) METHODS FOR CONTAINING SEDIMENTATION CAN INCLUDE A COMBINATION OF BMP'S AND SEDIMENT TRAPS, SEDIMENT BASINS, GRAVITY BAG FILTERS, WEIR TANKS, DEWATERING TANKS, SAND MEDIA/PRESSURIZED BAGS AND CHEMICAL TREATMENTS.
6. OTHER CONTROLS:
- (a) WASTE DISPOSAL
 - (I) THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES.
 - (J) ALL FERTILIZER AND CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER
 - (K) NO SOLID MATERIALS, INCLUDING BUILDING AND CONSTRUCTION MATERIALS, SHALL BE DISCHARGED TO WETLANDS OR BURIED ON SITE.
 - (L) ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATIONS
 - (b) OFF-SITE VEHICLE TRACKING – WILL BE CONTROLLED BY THE FOLLOWING METHODS
 - (I) LOADED HAUL TRUCKS ARE TO BE COVERED BY A TARPULIN AT ALL TIMES
 - (J) EXCESS DIRT ON ROAD WILL BE REMOVED DAILY
 - (c) STATE AND FEDERAL REGULATIONS: PERMITS WILL BE REQUIRED FORM THE FOLLOWING AGENCIES:
FDEP CONSTRUCTION GENERIC PERMIT, SWFWMD ERP, USACE PERMIT
 - (d) NON-STORMWATER (INCLUDING SPILL REPORTING)
THE CONTRACTOR WILL PROVIDE THE FDOT WITH AN EROSION AND SEDIMENT CONTROL PLAN THAT WILL INCLUDE 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 JEFFERY JAMES DISTRICT CONTAMINATION IMPACT COORDINATOR AT (863) 519-2625

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7. MAINTENANCE
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF ALL EROSION AND SEDIMENT CONTROL DEVICES AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF SEDIMENT BUILDUP THROUGH THE LIFE OF THE INSTALLED EROSION AND SEDIMENT CONTROL DEVICES
- (a) ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR AND ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF NOTICE
 - (b) SODDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH
 - (c) SYNTHETIC BALES SHALL BE MAINTAINED TO ENSURE THEIR USEFULLNESS AND NOT BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE
 - (d) STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OR ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE
8. INSPECTION
- (a) THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL IN ACCORDANCE WITH THE NPDES PERMIT
 - (b) ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED DAILY BY CONTRACTOR'S PERSONNEL WHO ARE F.D.E.P CERTIFIED STORMWATER MANAGEMENT INSPECTORS
 - (c) THE CONTRACTOR SHALL COMPLETE ALL SWPPP INSPECTION REPORTS FORMS REQUIRED FOR THE NPDES PERMIT
9. TRACKING AND REPORTING
- (a) THE CONTRACTOR SHALL SUBMIT A WEEKLY REPORT TO THE DEPARTMENT DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OF REPAIRS TO THE EROSION AND SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS
 - (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 OR LUMP SUM COST OF THE PROJECT
 - (c) THE CONTRACTOR SHALL USE THE SWPPP CONSTRUCTION INSPECTION REPORT FORM #650-040-03 FOR DAILY INSPECTIONS.

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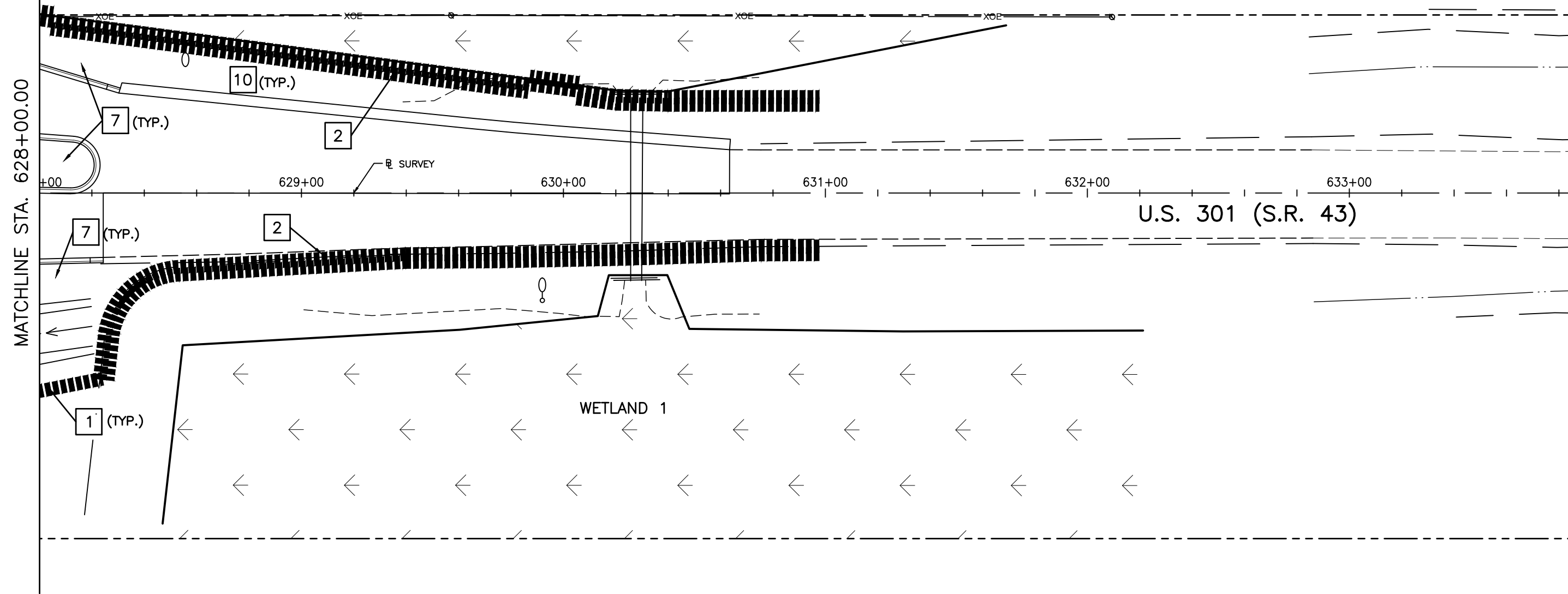
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 FBPE CERT. OF AUTH NO. 27013
 ROBERT A. ENGEL, PE NO. 58602

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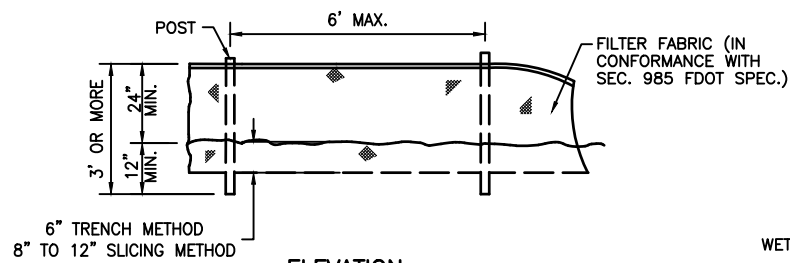
STORMWATER POLLUTION PREVENTION
 SITE PLAN (2)

SHEET NO.
69

WETLAND W37

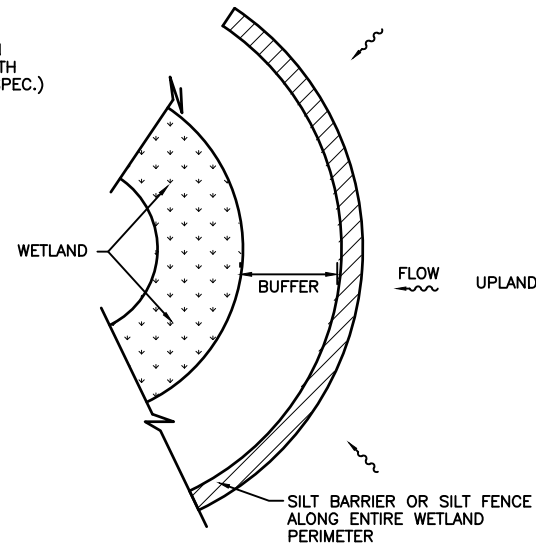


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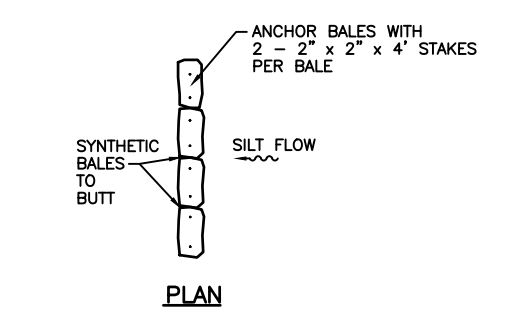


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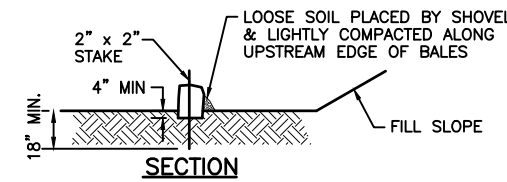
6" TRENCH METHOD
8" TO 12" SLICING METHOD



WETLAND BUFFER
FIGURE 2 N.T.S.

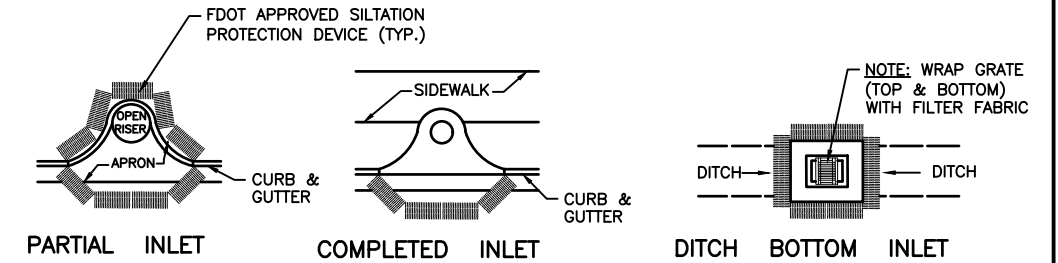


PLAN

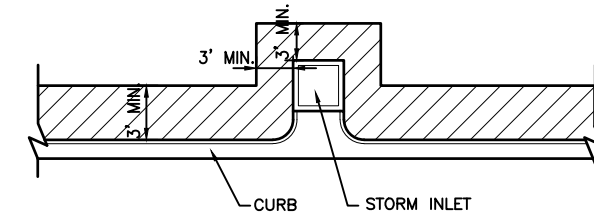


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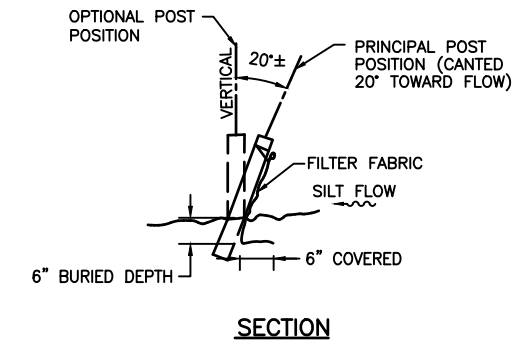
TYPICAL SYNTHETIC BALE SILT BARRIER BUFFER
FIGURE 3 N.T.S.



PROTECTION AROUND INLETS OR SIMILAR STRUCTURES
FIGURE 4 N.T.S.

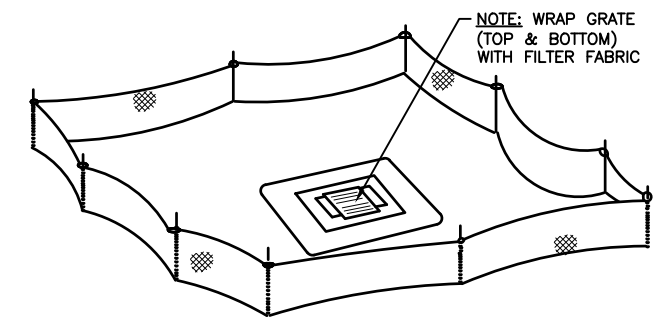


SOD ALONG CURB AND AROUND INLET
FIGURE 7 N.T.S.

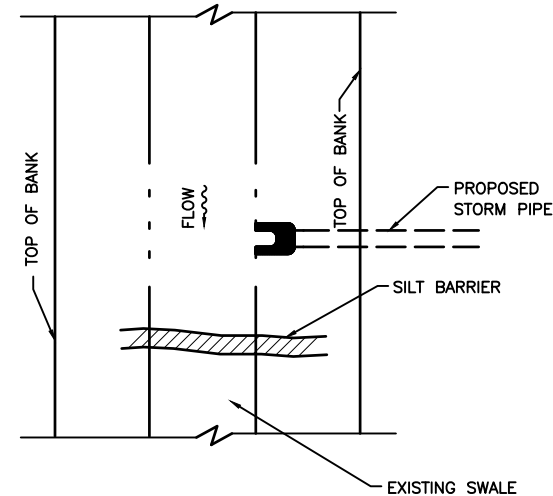


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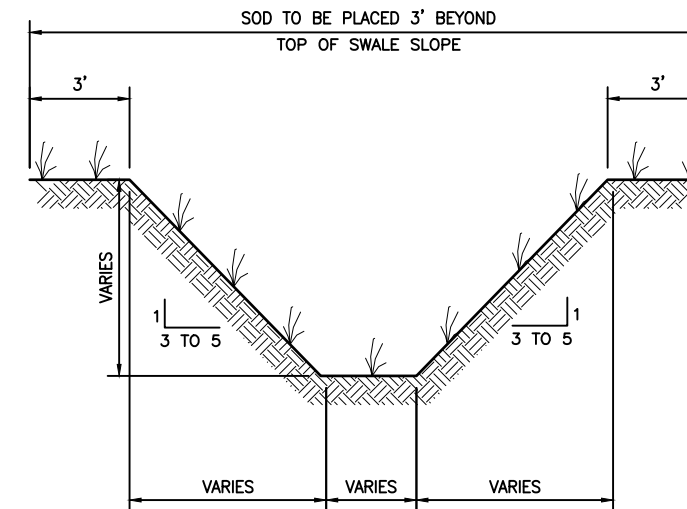
TYPICAL SILT FENCE
FIGURE 1 N.T.S.



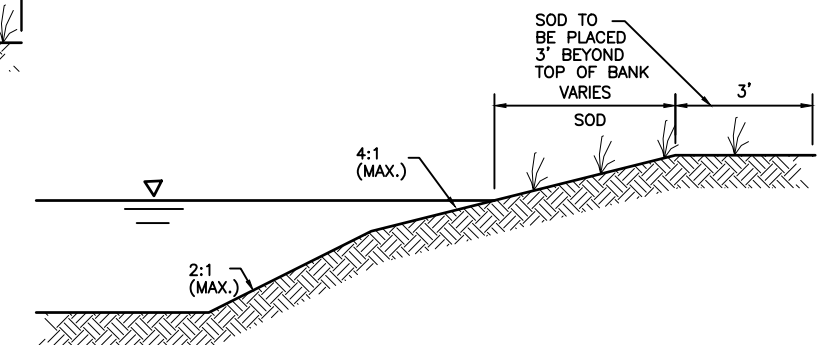
STAKE SILT BARRIER OR SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS
FIGURE 5 N.T.S.



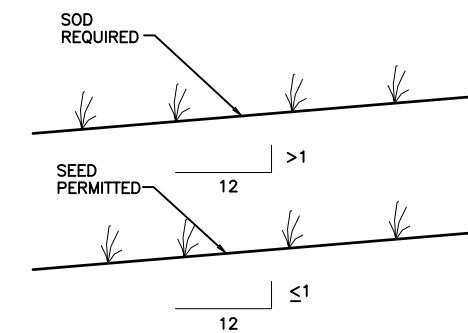
SILT BARRIER AT CONNECTION OF STORM PIPE TO EXISTING SWALE
FIGURE 6 N.T.S.



TYPICAL SWALE SECTION
FIGURE 8 N.T.S.



TYPICAL RETENTION/DETENTION POND SECTION
FIGURE 9 N.T.S.



GRASS SLOPES
FIGURE 10 N.T.S.

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