

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

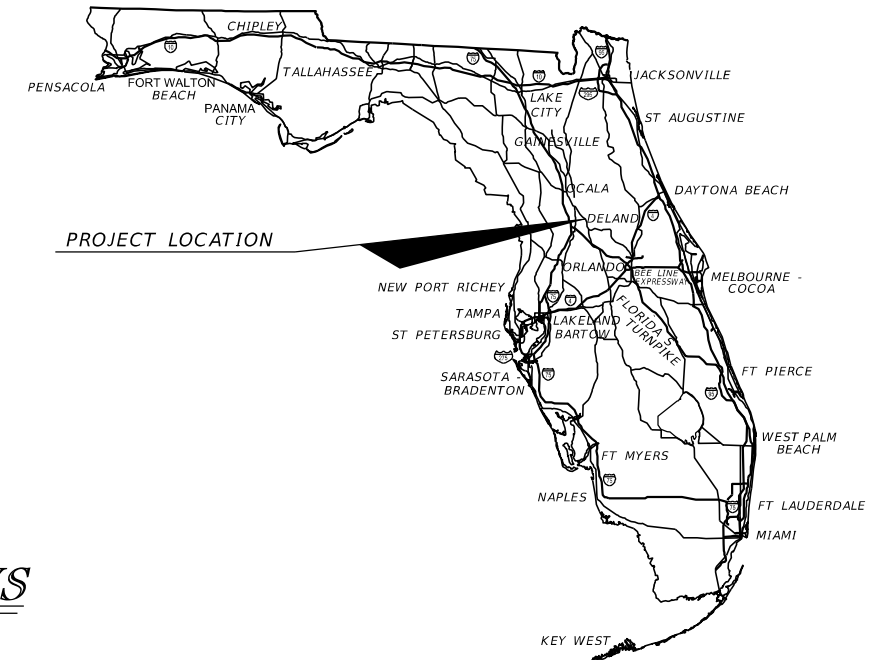
CONTRACT PLANS

FINANCIAL PROJECT ID 238275-2-52-01

LAKE COUNTY (11130)

STATE ROAD NO. 46

SIGNING AND PAVEMENT MARKING PLANS



INDEX OF SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	SIGNATURE SHEET
S-3 - S-6	TABULATION OF QUANTITIES
S-7	PROJECT NOTES
S-8 - S-10	PROJECT LAYOUT
S-11 - S-13	SIGNING LAYOUT
S-14 - S-45	SIGNING & MARKING PLAN
S-46 - S-48	GUIDE SIGN WORK SHEET
S-49 - S-50	SIGN STRUCTURE CROSS SECTION
S-51	CANTILEVER SIGN STRUCTURE DATA TABLE
S-52	REPORT OF SPT BORING RESULTS FOR CANTILEVER SIGN STRUCTURES

SIGNING AND PAVEMENT MARKING SHOP DRAWINGS TO BE SUBMITTED TO:

SCOTT G. HORLANDER, P.E.  
P.E. NO. 46624  
PROTEAN DESIGN GROUP  
100 EAST PINE STREET, SUITE 600  
ORLANDO FLORIDA 32801  
PHONE (407) 246-0044  
CERTIFICATE OF AUTHORIZATION NUMBER 7865

PLANS PREPARED BY:

PROTEAN DESIGN GROUP  
100 EAST PINE STREET, SUITE 600  
ORLANDO FLORIDA 32801  
PHONE (407) 246-0044  
VENDOR NO. F59-3473441  
CONTRACT NO. C9886  
CERTIFICATE OF AUTHORIZATION NO. 7865

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

NOTE: THIS PROJECT IS TO BE LET TO CONTRACT WITH FINANCIAL PROJECT ID 238275-3-52-01.

**PLANS UPDATE**  
**3/24/16**

KEY SHEET REVISIONS	
DATE	DESCRIPTION

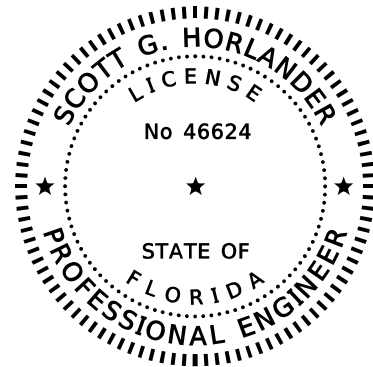
SIGNING AND PAVEMENT MARKING PLANS  
ENGINEER OF RECORD: SCOTT G. HORLANDER, P.E.

P.E. NO.: 46624

FISCAL YEAR	SHEET NO.
17	S-1

FDOT PROJECT MANAGER: MEDHAT HASSAN, P.E.

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



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

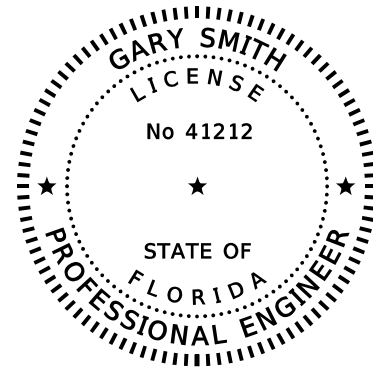
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THIS SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

PROTEAN DESIGN GROUP  
100 EAST PINE STREET, SUITE 600  
ORLANDO, FLORIDA 32801  
CERTIFICATE OF AUTHORIZATION NUMBER 7865  
SCOTT G. HORLANDER, P.E. NO. 46624

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

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	DESCRIPTION
S-1	KEY SHEET
S-2	SIGNATURE SHEET
S-3 - S-6	TABULATION OF QUANTITIES
S-7	PROJECT NOTES
S-8 - S-10	PROJECT LAYOUT
S-11 - S-13	SIGNING LAYOUT
S-14 - S-45	SIGNING AND MARKING PLAN
S-46 - S-48	GUIDE SIGN WORKSHEET
S-49 - S-50	SIGN STRUCTURE CROSS SECTION



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

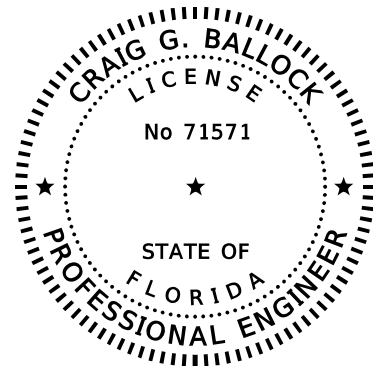
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THIS SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

MOFFATT & NICHOL  
1025 GREENWOOD BLVD., STE 371  
LAKE MARY, FLORIDA 32746  
CERTIFICATE OF AUTHORIZATION NUMBER 4877  
GARY SMITH, P.E. NO. 41212

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

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	DESCRIPTION
S-2	SIGNATURE SHEET
S-51	CANTILEVER SIGN STRUCTURE DATA TABLE



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THIS SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. (GEC)  
919 LAKE BALDWIN LANE  
ORLANDO, FLORIDA 32814  
CERTIFICATE OF AUTHORIZATION NUMBER 5882  
CRAIG G. BALLOCK, P.E. NO. 71571

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

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	DESCRIPTION
S-2	SIGNATURE SHEET
S-52	REPORT OF SPT BORING RESULTS FOR CANTILEVER SIGN STRUCTURES

REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  S-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 46	LAKE	238275-2-52-01	

*SIGNATURE SHEET*









TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL	
			S-41		S-42		S-43		S-44		S-45															
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
523-1-3	PATTEREND PAVEMENT, VEHICULAR AREA - GREEN BIKE LANE	SY																								196
700-1-11	SINGLE POST SIGN, F&I, GRD. MOUNT, UP TO 12 SF	AS	4		3						1															8
700-1-12	SINGLE POST SIGN, F&I, GRD. MOUNT, 12-20 SF	AS									1															1
700-1-13	SINGLE POST SIGN, F&I, GRD. MOUNT, 21-30 SF	AS																								8
700-1-31	SINGLE POST SIGN, F&I, BRIDGE MOUNT, UP TO 12 SF	AS								1																7
700-1-50	SINGLE POST SIGN, RELOCATE	AS																								6
700-1-60	SINGLE POST SIGN, REMOVE	AS	1							2		2														5
700-2-13	MULTI-POST SIGN, F&I, GROUND MOUNT, 21-30 SF	AS																								2
700-2-14	MULTI-POST SIGN, F&I, GROUND MOUNT, 31-50 SF	AS																								2
700-2-15	MULTI-POST SIGN, F&I, GROUND MOUNT, 51-100 SF	AS																								7
700-2-16	MULTI-POST SIGN, F&I, GROUND MOUNT, 101-200 SF	AS																								7
700-2-18	MULTI-POST SIGN, F&I, GROUND MOUNT, 301-400 SF	AS																								2
700-2-50	MULTI-POST SIGN, F&I GROUND MOUNT, RELOCATE	AS																								7
700-2-60	MULTI-POST SIGN, F&I GROUND MOUNT, REMOVE	AS																								7
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201-300 SF	EA																								7
700-3-226	SIGN PANEL, F&I, OVERHEAD MOUNT, 101-200 SF WITH LIGHTING	EA																								7
700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA										4														4
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA																								7
700-4-112	OH STATIC SIGN STR., F&I, CANTILEVER, 21-30 FT	AS																								7
700-4-114	OH STATIC SIGN STR., F&I, CANTILEVER, 41-50 FT	AS																								7
705-10-1	OBJECT MARKER, TYPE 1	EA																								6
705-10-4	OBJECT MARKER, TYPE 4	EA	2																							2
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA	1																							7
710-90	PAINTED PAVT. MARKINGS, FINAL SURFACE	LS																								
*	RETRO REFLECTIVE PAVEMENT MARKERS																									
*	BI-DIRECTIONAL WHITE RED	EA	91		3		28		28																	150
*	BI-DIRECTIONAL YELLOW	EA									12															12
*	BI-DIRECTIONAL YELLOW RED	EA					13		13																	26
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 6"	GM	0.186				0.017		0.106																	0.309
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 8"	GM	0.075																							0.075
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 12"	LF																								
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 18"	LF	126																							126
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 24"	LF										12														12
*	PAINTED PAVT. MKGS., STD., WHITE, SKIP, 10'-30', 6"	GM	0.136				0.016		0.105																	0.257
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 3'-9", 12"	GM	0.144		0.006																					0.149
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 6'-10', 6"	GM	0.013																							0.013
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 2'-4', 6"	GM																								
*	PAINTED PAVT. MKGS., STD., WHITE, MESSAGE	EA	2		3							1														6
*	PAINTED PAVT. MKGS., STD., WHITE, ARROWS	EA	2									1														3
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 6"	GM	0.149				0.016		0.104		0.076															0.345
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 8"	GM																								
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 18"	LF																								
*	PAINTED PAVT. MKGS., STD., YELLOW, 6'-10' GAP, 6"	GM																								
*	PAINTED PAVT. MKGS., STD., YELLOW, DOTTED, 2'-4', 6"	GM																								
711-11-123	THERMOPLASTIC, STD., WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF																								
711-11-124	THERMOPLASTIC, STD., WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	126																							126
711-11-125	THERMOPLASTIC, STD., WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF										12														12
711-11-141	THERMOPLASTIC, STD., WHITE, 2-4 DOTTED GUIDELINE, 6"	GM																								
	THERMOPLASTIC, STD., WHITE, 6-10 DOTTED GUIDELINE, 6"	GM	0.013																							0.013
711-11-160	THERMOPLASTIC, STANDARD, MESSAGE OR SYMBOL	EA	2		3							1														6
711-11-170	THERMOPLASTIC, STANDARD, ARROWS	EA	2									1														3
711-11-224	THERMOPLASTIC, STD., YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF																								
711-11-241	HERMOPLASTIC, STD., YELLOW, 6-10 DOTTED GUIDE LINE, 6"	GM																								
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK AND ROUNDABOUT	LF																								
711-14-160	THERMOPLASTIC, PREFORMED, MESSAGE	EA																								
711-14-170	THERMOPLASTIC, PREFORMED, ARROWS	EA																								
711-16-101	THERMOPLASTIC, STD.-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.186				0.017		0.106																	0.309
711-16-102	THERMOPLASTIC, STD.-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.075																							0.075
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM	0.136				0.016		0.105																	0.257
711-16-133	THERMOPLASTIC, STD.-OTHER SURFACES WHITE, SKIP, 12"-APPROACH TO TOLL PLAZA OR 3-9 LANE DROP	GM	0.144		0.006																					0.149
711-16-201	THERMOPLASTIC, STD.-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.149				0.016		0.104		0.076															0.345
711-16-202	THERMOPLASTIC, STD.-OTHER SURFACES, YELLOW, SOLID, 8"	GM																								
711-16-231	THERMOPLASTIC, STD.-OTHER SURFACES, YELLOW, SKIP, 6"	GM																								
711-17	THERMOPLASTIC, REMOVE EXIST. THERMOPLASTIC PAVT. MKGS.	SF	119																							119
713-103-101	PERMANENT TAPE, WHITE, SOLID, FOR CONC. BRIDGES, 6"	GM					0.089																			0.089
713-103-131	PERMANENT TAPE, WHITE, SKIP, FOR CONC. SURFACES, 10'-30', 6"	GM					0.085																			0.085
713-103-201	PERMANENT TAPE, YELLOW, SOLID, FOR CONC. BRIDGES, 6"	GM					0.085																			0.085

\* THESE QUANTITIES ARE PAID UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION; SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  S-6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 46	LAKE	

TABULATION OF QUANTITIES

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

PROJECT NOTES:

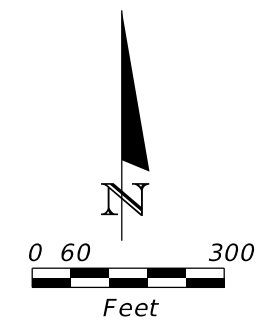
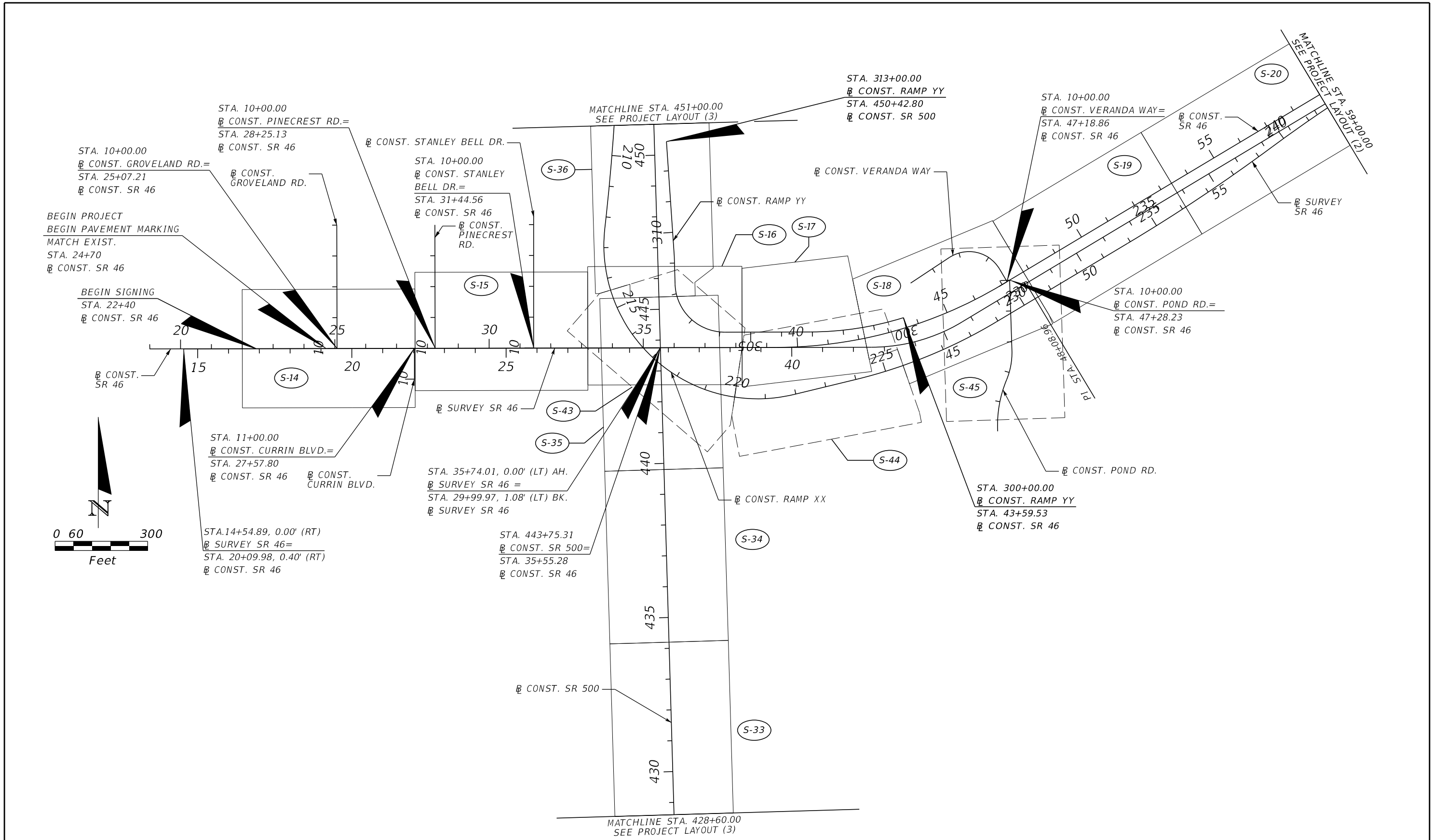
1. ALL REMOVED SIGNS AND THEIR SUPPORTS BECOME THE PROPERTY OF THE CONTRACTOR TO BE DISPOSED OF PROPERLY UNLESS OTHERWISE NOTED ON THE PLANS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE AND REPLACE ALL EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS. IF SIGNS ARE DAMAGED BY THE CONTRACTOR, THE SIGNS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
3. ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS.
4. THE LANE WIDTH DIMENSIONS SHOWN IN THE SIGNING AND PAVEMENT MARKING PLANS REFLECT THE NOMINAL LANE WIDTHS, NOT THE DISTANCE BETWEEN THE STRIPES. SEE INDEX 17346 FOR PLACEMENT OF LANE LINES.
5. THE CONTRACTOR SHALL CONTACT DISTRICT FIVE MAINTENANCE OFFICE AT (386) 740-3463 FOUR WEEKS PRIOR TO COMPLETION OF THE PROJECT TO REQUEST A STRUCTURE NUMBER AND SCHEDULE A POST CONSTRUCTION INSPECTION OF THE MAST ARMS.
6. SEE LIGHTING PLANS FOR DETAILS REGARDING THE ELECTRICAL SERVICE FOR THE OVERHEAD SIGN LIGHTING (OHC-2).

LEGEND:

SNS = STREET NAME SIGNS  
 BDWR = BI-DIRECTIONAL WHITE/RED  
 BDY = BI-DIRECTIONAL YELLOW

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

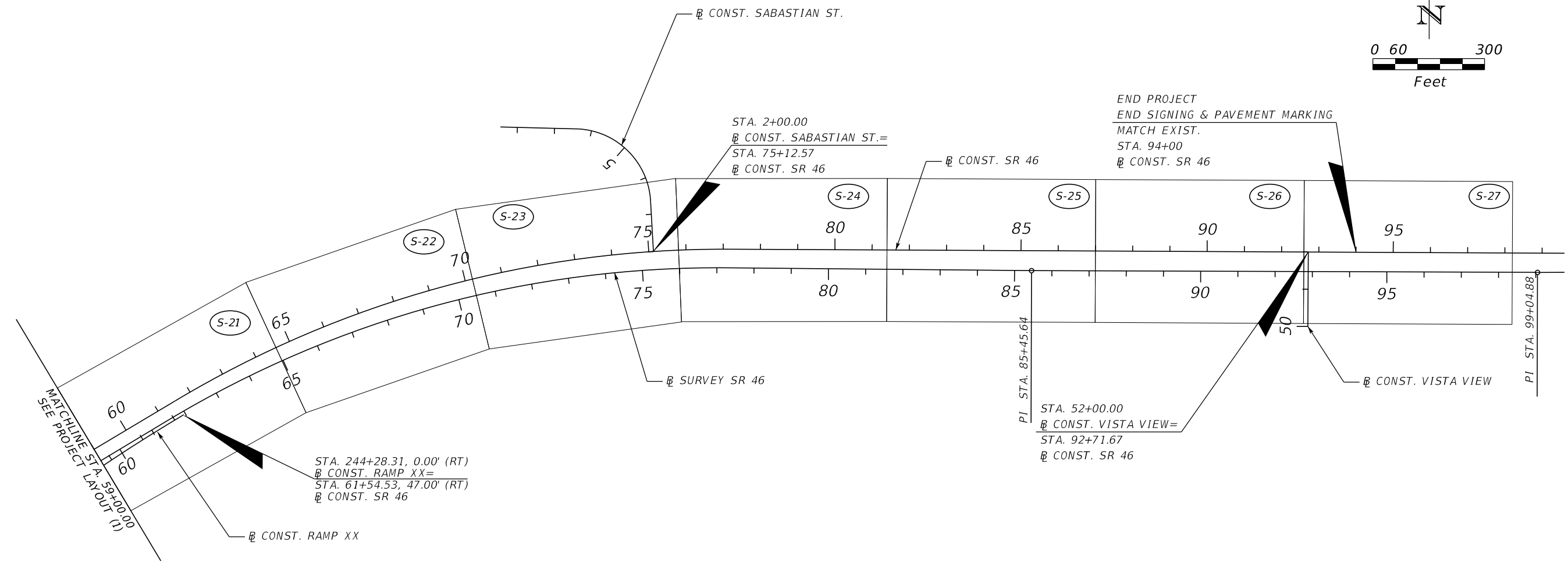
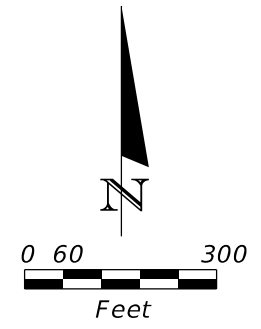
REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<i>PROJECT NOTES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-7
					SR 46	LAKE	238275-2-52-01		



FOR DETAILED HORIZONTAL ALIGNMENT  
INFORMATION SEE ROADWAY COMPONENT

REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 46	LAKE		238275-2-52-01

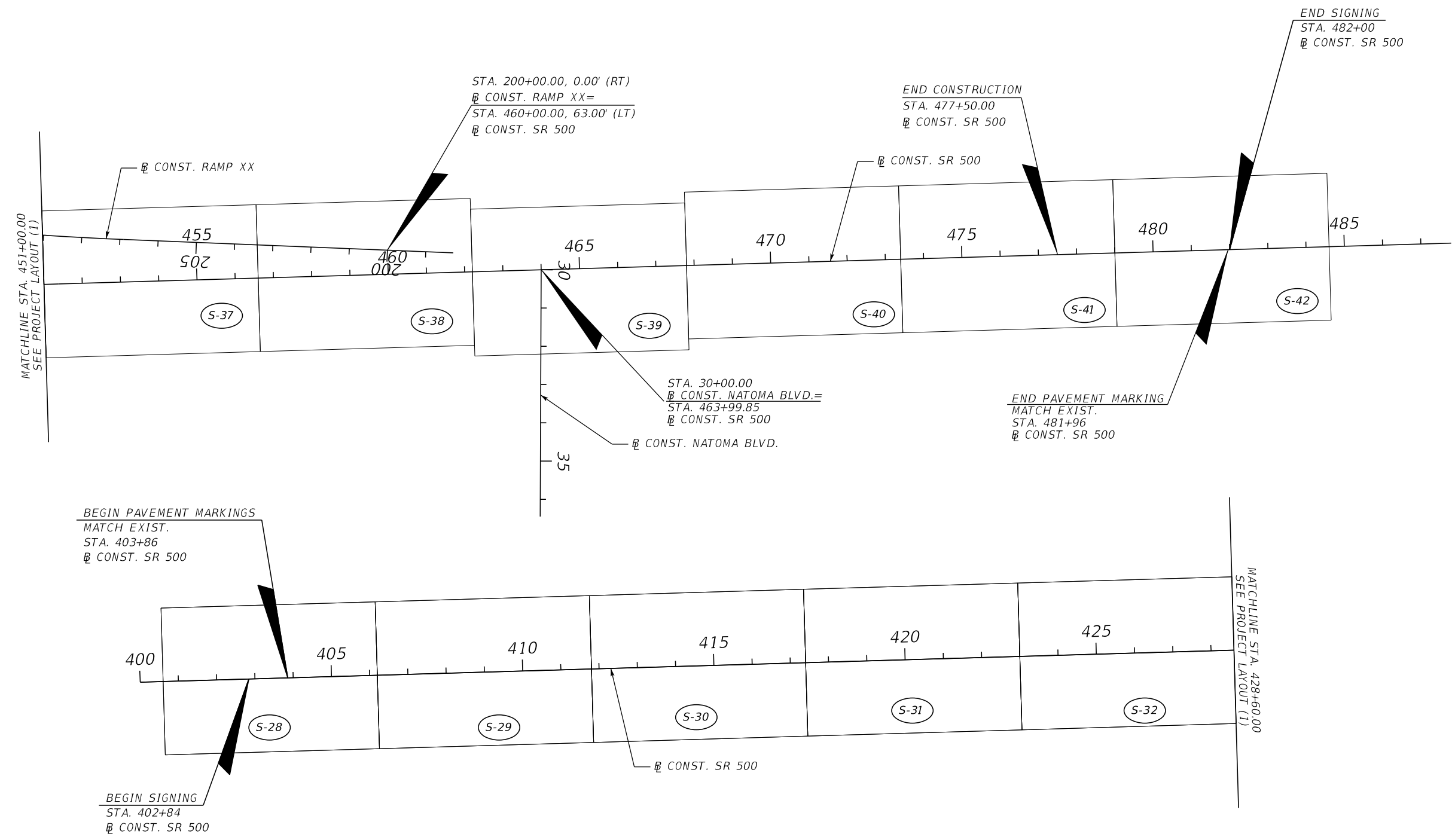
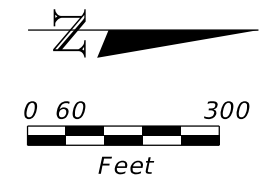
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



FOR DETAILED HORIZONTAL ALIGNMENT  
INFORMATION SEE ROADWAY COMPONENT

REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>PROJECT LAYOUT (2)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 46	LAKE		238275-2-52-01

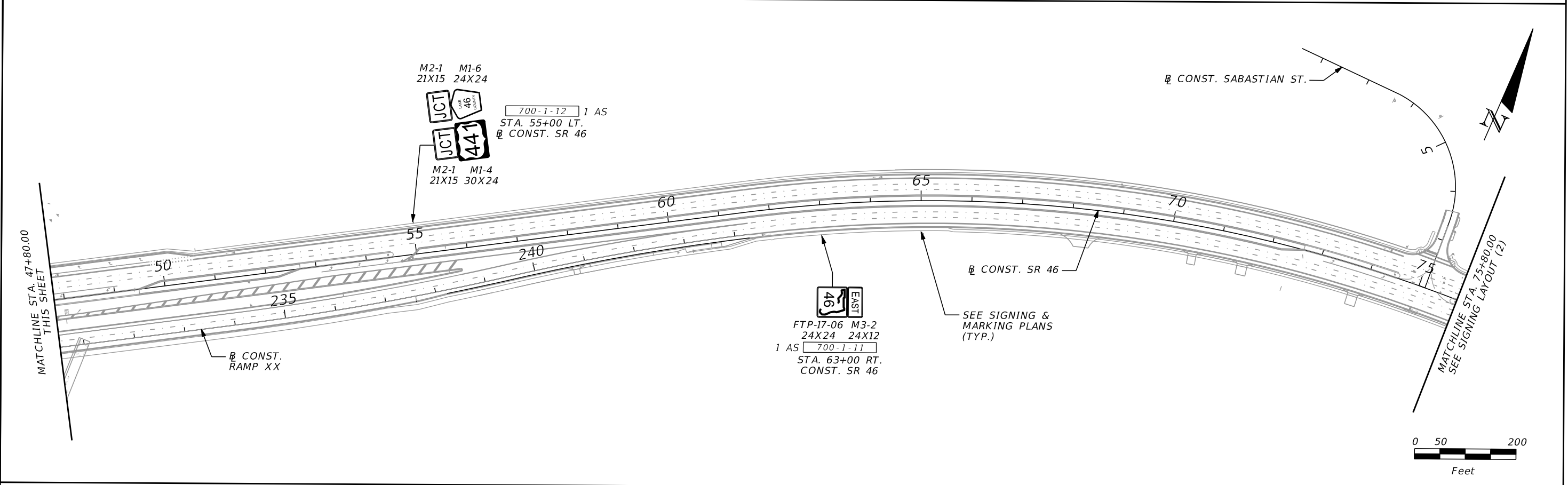
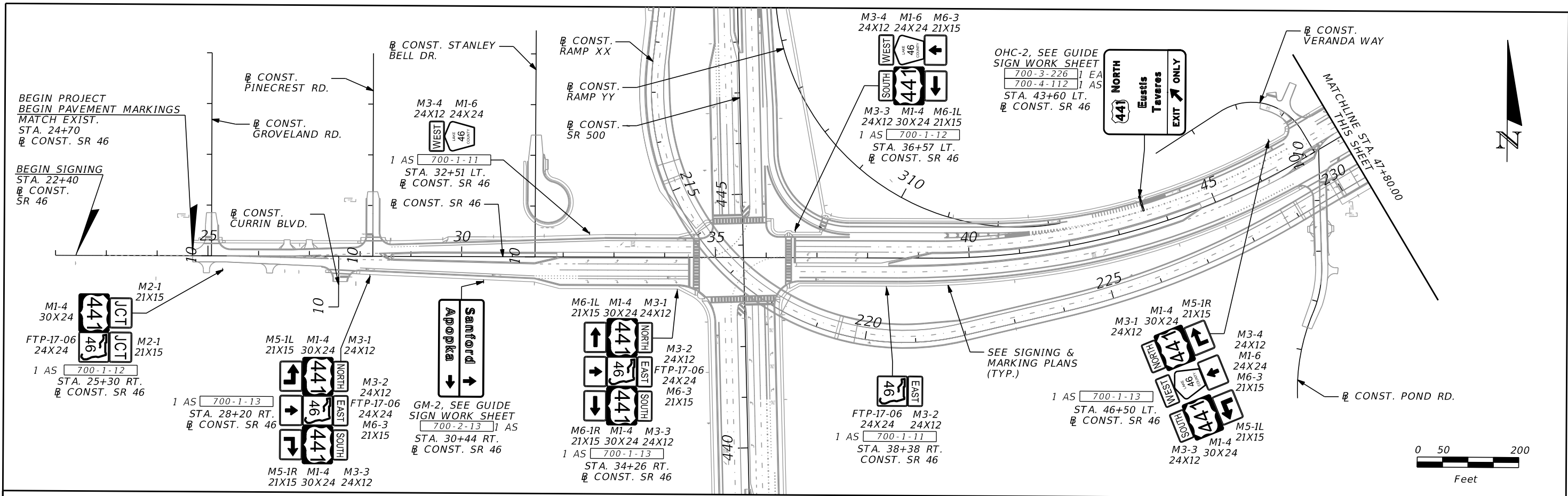
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



FOR DETAILED HORIZONTAL ALIGNMENT  
INFORMATION SEE ROADWAY COMPONENT

REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>PROJECT LAYOUT (3)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 46	LAKE	238275-2-52-01		S-10

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

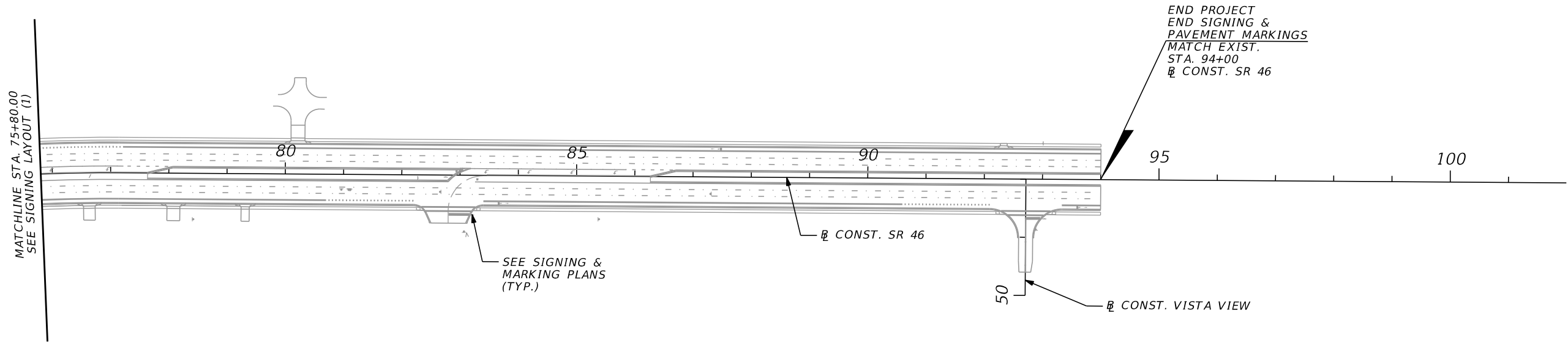


REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  S-11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 46	LAKE	238275-2-52-01	

**SIGNING LAYOUT (1)**

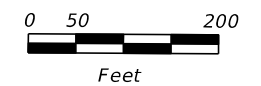
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

MATCHLINE STA. 75+80.00  
SEE SIGNING LAYOUT (1)



END PROJECT  
END SIGNING &  
PAVEMENT MARKINGS  
MATCH EXIST.  
STA. 94+00  
CONST. SR 46

SEE SIGNING &  
MARKING PLANS  
(TYP.)



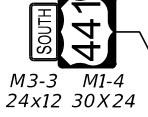
BEGIN PAVEMENT MARKINGS  
MATCH EXIST.  
STA. 403+86  
CONST. SR 500

BEGIN SIGNING  
STA. 402+84  
CONST. SR 500

GM-6, SEE GUIDE  
SIGN WORK SHEET  
700-2-14 1 AS  
STA. 436+80  
CONST. SR 500

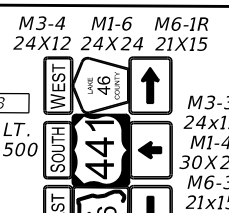
GM-1, SEE GUIDE  
SIGN WORK SHEET  
700-2-13 1 AS  
STA. 438+70 RT.  
CONST. SR 500

STA. 440+50 LT.  
CONST. SR 500  
1 AS 700-1-11



SEE SIGNING &  
MARKING PLANS  
(TYP.)

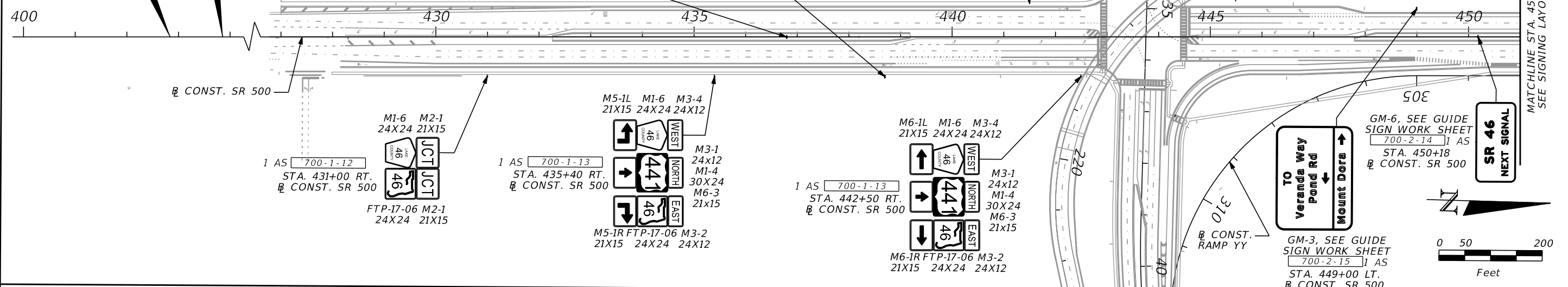
CONST. STANLEY BELL DR.  
1 AS 700-1-13  
STA. 445+50 LT.  
CONST. SR 500



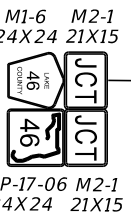
M3-4 M1-6 M6-1R  
24X12 24X24 21X15

M3-2 FTP-17-06 M6-1L  
24X12 24X24 21X15

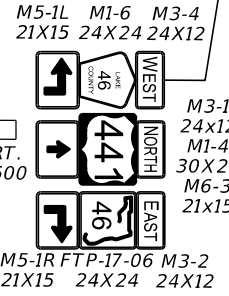
MATCHLINE STA. 451+00.00  
SEE SIGNING LAYOUT (3)



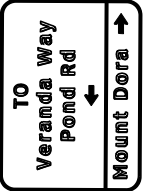
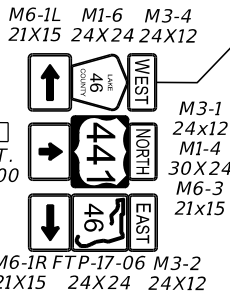
1 AS 700-1-12  
STA. 431+00 RT.  
CONST. SR 500



1 AS 700-1-13  
STA. 435+40 RT.  
CONST. SR 500



1 AS 700-1-13  
STA. 442+50 RT.  
CONST. SR 500



GM-6, SEE GUIDE  
SIGN WORK SHEET  
700-2-14 1 AS  
STA. 450+18  
CONST. SR 500



GM-3, SEE GUIDE  
SIGN WORK SHEET  
700-2-15 1 AS  
STA. 449+00 LT.  
CONST. SR 500

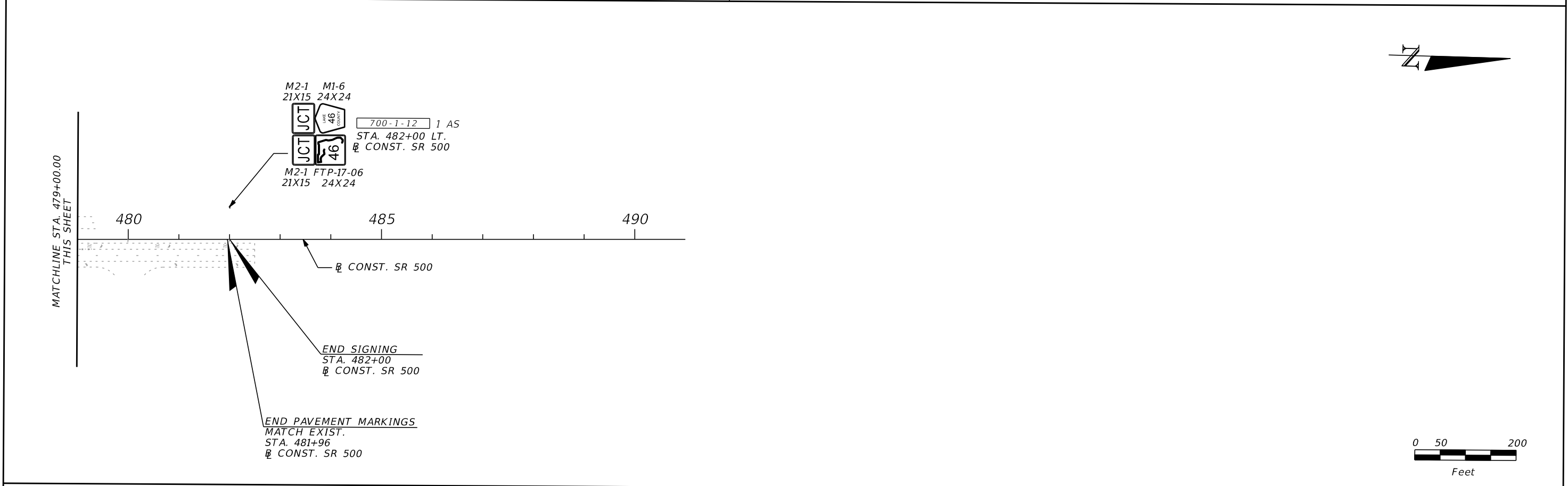
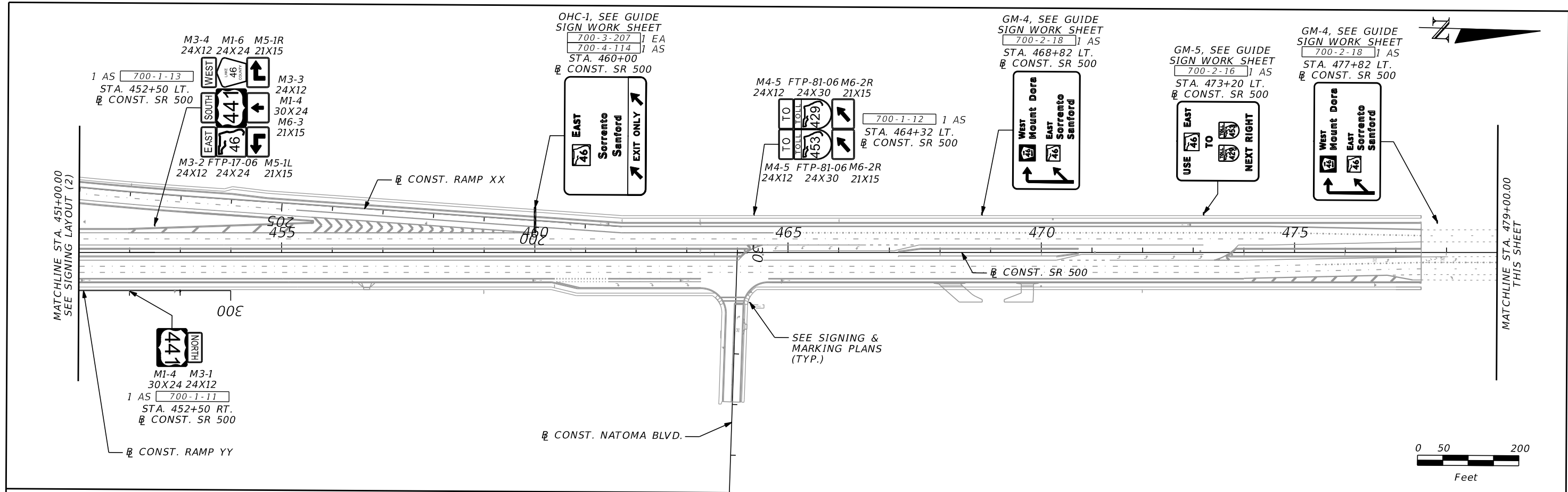


REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  S-12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 46	LAKE	238275-2-52-01	

SIGNING LAYOUT (2)

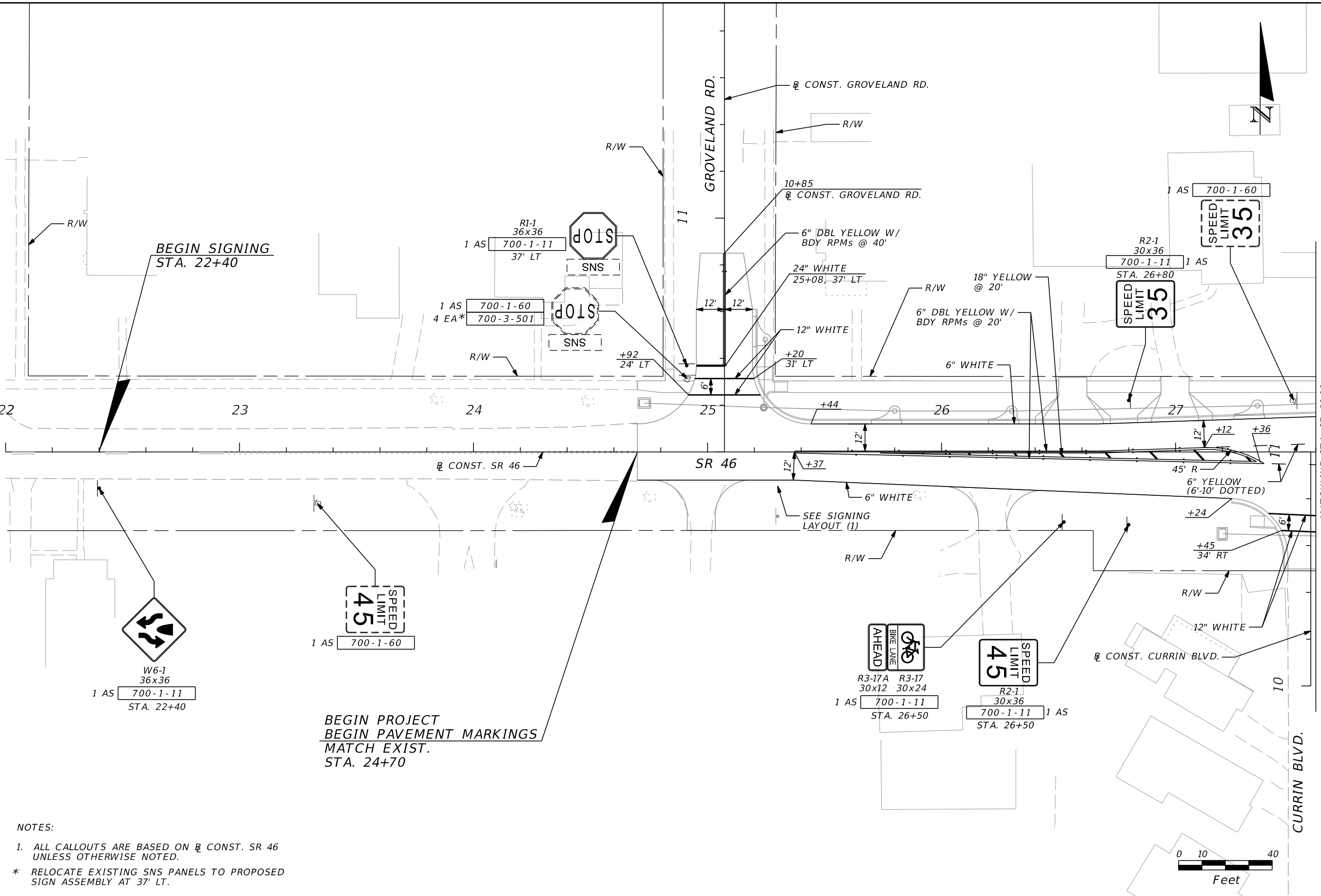
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING LAYOUT (3)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 46	LAKE		238275-2-52-01

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



MATCHLINE STA. 27+60.00  
SEE SIGNING & MARKING PLAN (2)

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

**NOTES:**

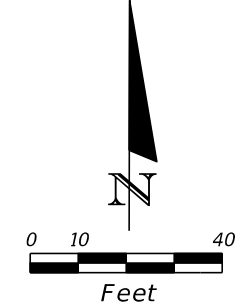
- 1. ALL CALLOUTS ARE BASED ON  $\varnothing$  CONST. SR 46 UNLESS OTHERWISE NOTED.
- \* RELOCATE EXISTING SNS PANELS TO PROPOSED SIGN ASSEMBLY AT 37' LT.

**BEGIN PROJECT  
BEGIN PAVEMENT MARKINGS  
MATCH EXIST.  
STA. 24+70**

REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; MARKING PLAN (1)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-14
					SR 46	LAKE	238275-2-52-01		



- NOTES:
1. ALL CALLOUTS ARE BASED ON CONST. SR 46 UNLESS OTHERWISE NOTED.
  2. SR 500 AND RAMP XX ARE SHOWN FOR REFERENCE ONLY.



700-1-60 1 AS

700-1-60 1 AS

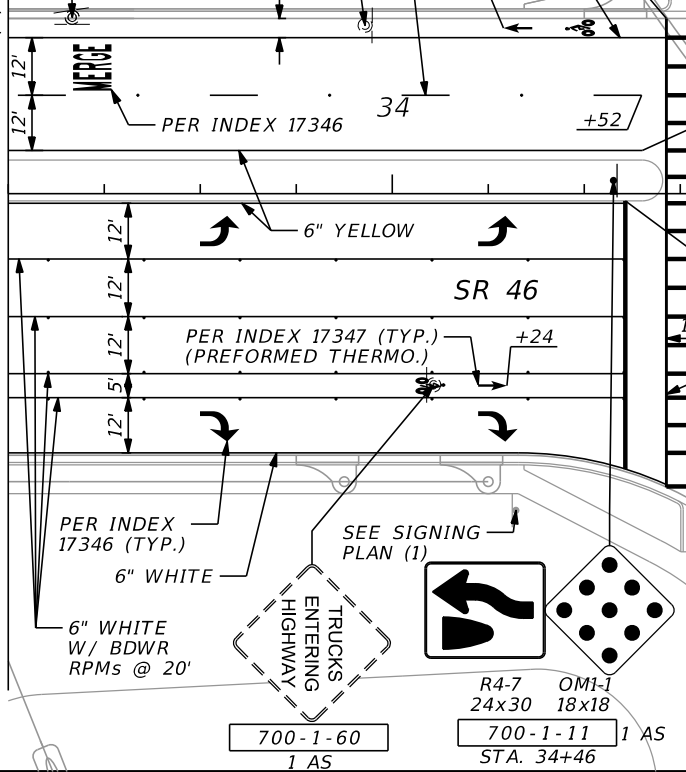


700-1-11 1 AS  
STA. 33+41



6" WHITE (10'-30' SKIP)  
W/ BDWR RPMs @ 40'

MATCHLINE STA. 33+20.00  
SEE SIGNING & MARKING PLAN (2)



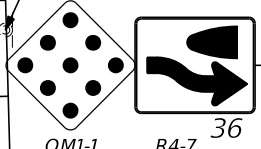
700-1-60 1 AS  
700-1-11 1 AS  
STA. 34+46

SR 500

CONST. SR 500

RAMP XX

6" YELLOW (2'-4" DOTTED)

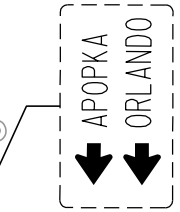


700-1-11 1 AS  
STA. 36+61

24" WHITE  
+57, 11' RT

24" WHITE (PER INDEX 17346)  
(PERFORMED THERMO.)

12" WHITE



700-1-60 1 AS

MATCHLINE STA. 307+20.00  
SEE SIGNING & MARKING PLAN (22)

6" YELLOW

CONST. RAMP YY

+39  
40' LT

12" WHITE

+11  
78' LT

6" WHITE BUFFERED BIKE  
LANE PER INDEX 17347

6" WHITE BUFFERED BIKE  
LANE PER INDEX 17347



R5-2A MOD M6-3  
24x30 21x15

700-1-11 1 AS  
STA. 36+57

24" WHITE (PER INDEX 17346)  
(PERFORMED THERMO.)



W11-2 W16-7PL  
36x36 24-12

700-1-11 1 AS  
STA. 37+27

SEE SIGNING LAYOUT (1)

+15  
55' LT

6" WHITE

6" WHITE BUFFERED BIKE  
LANE PER INDEX 17347

CONST. SR 46

+57

+68

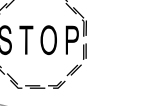
+65

+50  
48' RT

6" WHITE (10'-30' SKIP)  
W/ BDWR RPMs @ 40'

6" WHITE BUFFERED BIKE  
LANE PER INDEX 17347

700-1-60 1 AS



1 AS 700-1-60



MATCHLINE STA. 38+20.00  
SEE SIGNING & MARKING PLAN (4)

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

SCOTT G. HORLANDER, P.E.  
P.E. NO. 46624  
PROTEAN DESIGN GROUP  
100 EAST PINE STREET, SUITE 600  
ORLANDO FLORIDA 32801  
CERTIFICATE OF AUTHORIZATION NUMBER 7865

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 46	LAKE	238275-2-52-01

**SIGNING & MARKING  
PLAN (3)**

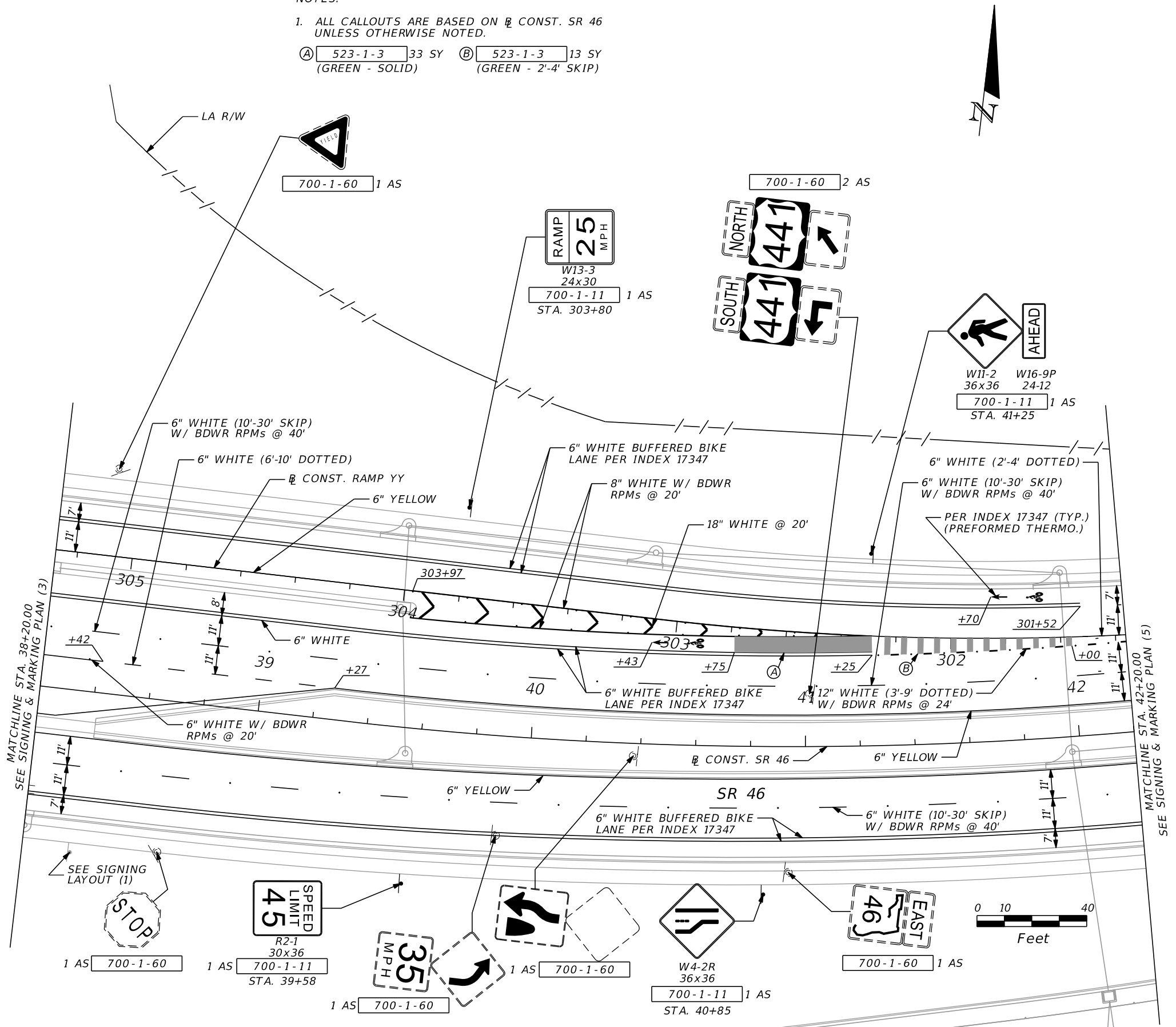
SHEET NO.  
S-16

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

NOTES:

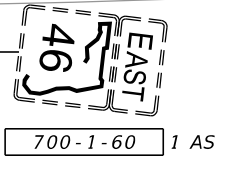
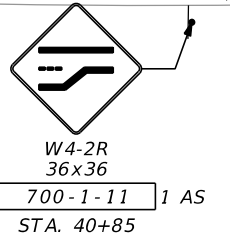
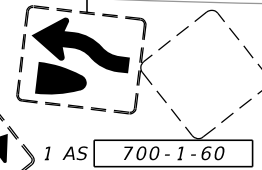
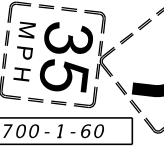
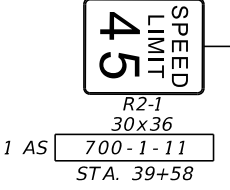
1. ALL CALLOUTS ARE BASED ON  $\frac{1}{2}$  CONST. SR 46 UNLESS OTHERWISE NOTED.

(A) 523-1-3 33 SY (GREEN - SOLID) (B) 523-1-3 13 SY (GREEN - 2'-4" SKIP)



MATCHLINE STA. 38+20.00  
SEE SIGNING & MARKING PLAN (3)

MATCHLINE STA. 42+20.00  
SEE SIGNING & MARKING PLAN (5)



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SCOTT G. HORLANDER, P.E.  
P.E. NO. 46624  
PROTEAN DESIGN GROUP  
100 EAST PINE STREET, SUITE 600  
ORLANDO FLORIDA 32801  
CERTIFICATE OF AUTHORIZATION NUMBER 7865

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 46	LAKE	238275-2-52-01

**SIGNING & MARKING  
PLAN (4)**

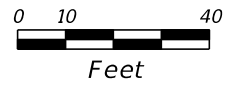
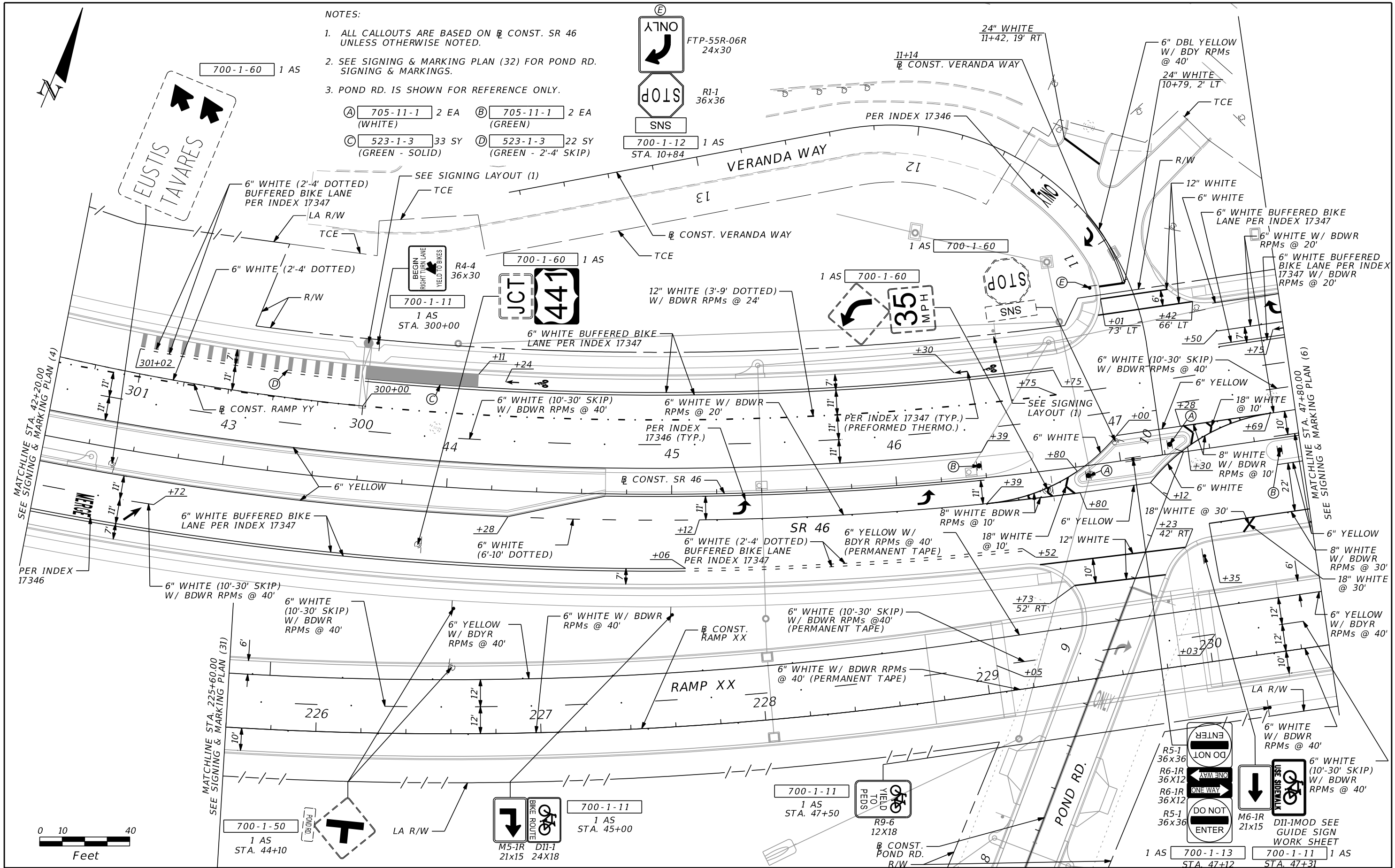
SHEET NO.  
**S-17**

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

NOTES:

- ALL CALLOUTS ARE BASED ON  $\frac{1}{2}$  CONST. SR 46 UNLESS OTHERWISE NOTED.
- SEE SIGNING & MARKING PLAN (32) FOR POND RD. SIGNING & MARKINGS.
- POND RD. IS SHOWN FOR REFERENCE ONLY.

- (A) 705-11-1 2 EA (WHITE)
- (B) 705-11-1 2 EA (GREEN)
- (C) 523-1-3 33 SY (GREEN - SOLID)
- (D) 523-1-3 22 SY (GREEN - 2'-4" SKIP)



MATCHLINE STA. 225+60.00  
SEE SIGNING & MARKING PLAN (31)

MATCHLINE STA. 42+20.00  
SEE SIGNING & MARKING PLAN (4)

MATCHLINE STA. 47+80.00  
SEE SIGNING & MARKING PLAN (6)

REVISIONS	
DATE	DESCRIPTION

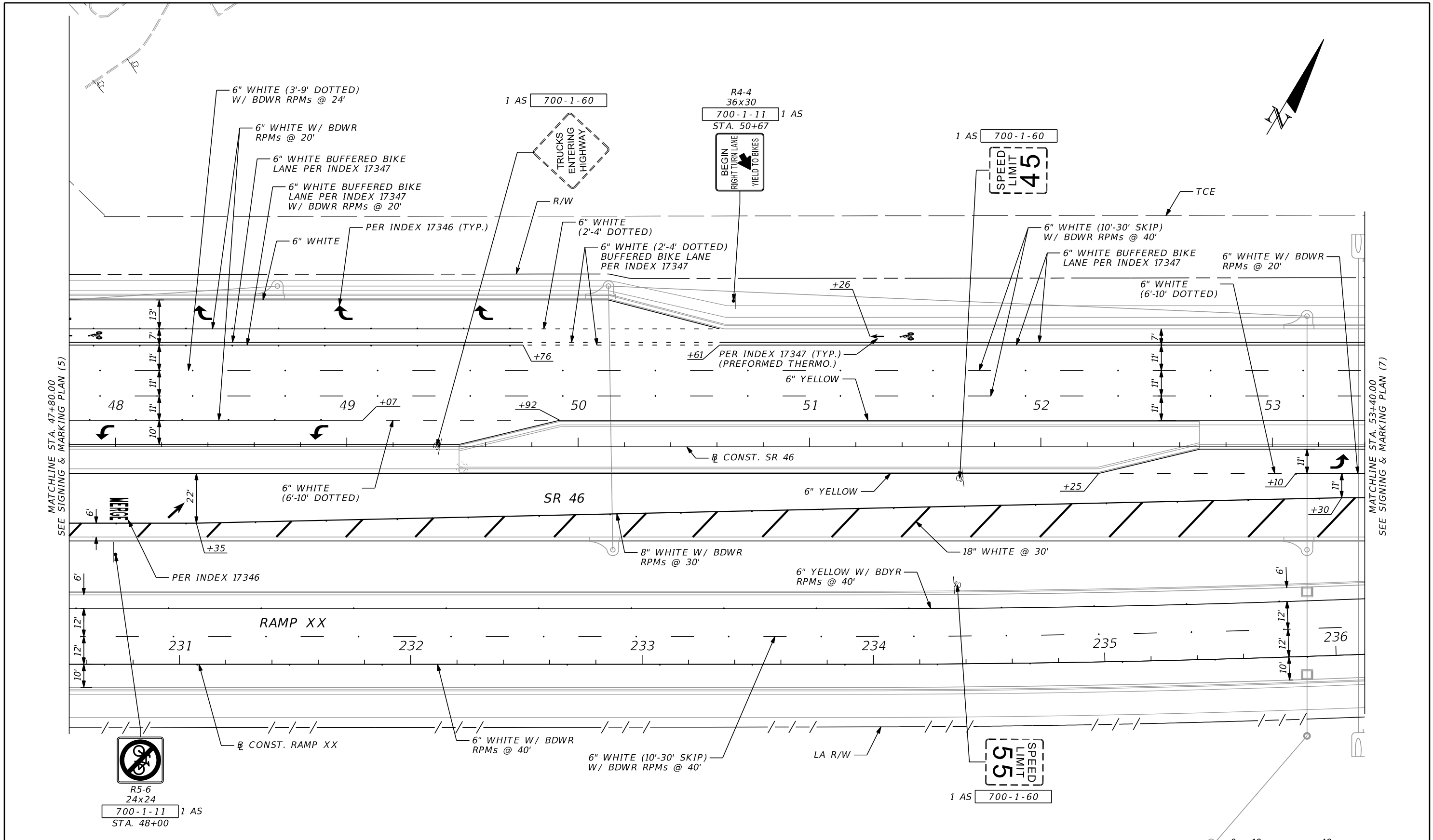
SCOTT G. HORLANDER, P.E.  
P.E. NO. 46624  
PROTEAN DESIGN GROUP  
100 EAST PINE STREET, SUITE 600  
ORLANDO FLORIDA 32801  
CERTIFICATE OF AUTHORIZATION NUMBER 7865

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 46	LAKE	238275-2-52-01

**SIGNING & MARKING  
PLAN (5)**

SHEET NO.  
S-18

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



MATCHLINE STA. 47+80.00  
SEE SIGNING & MARKING PLAN (5)

MATCHLINE STA. 53+40.00  
SEE SIGNING & MARKING PLAN (7)

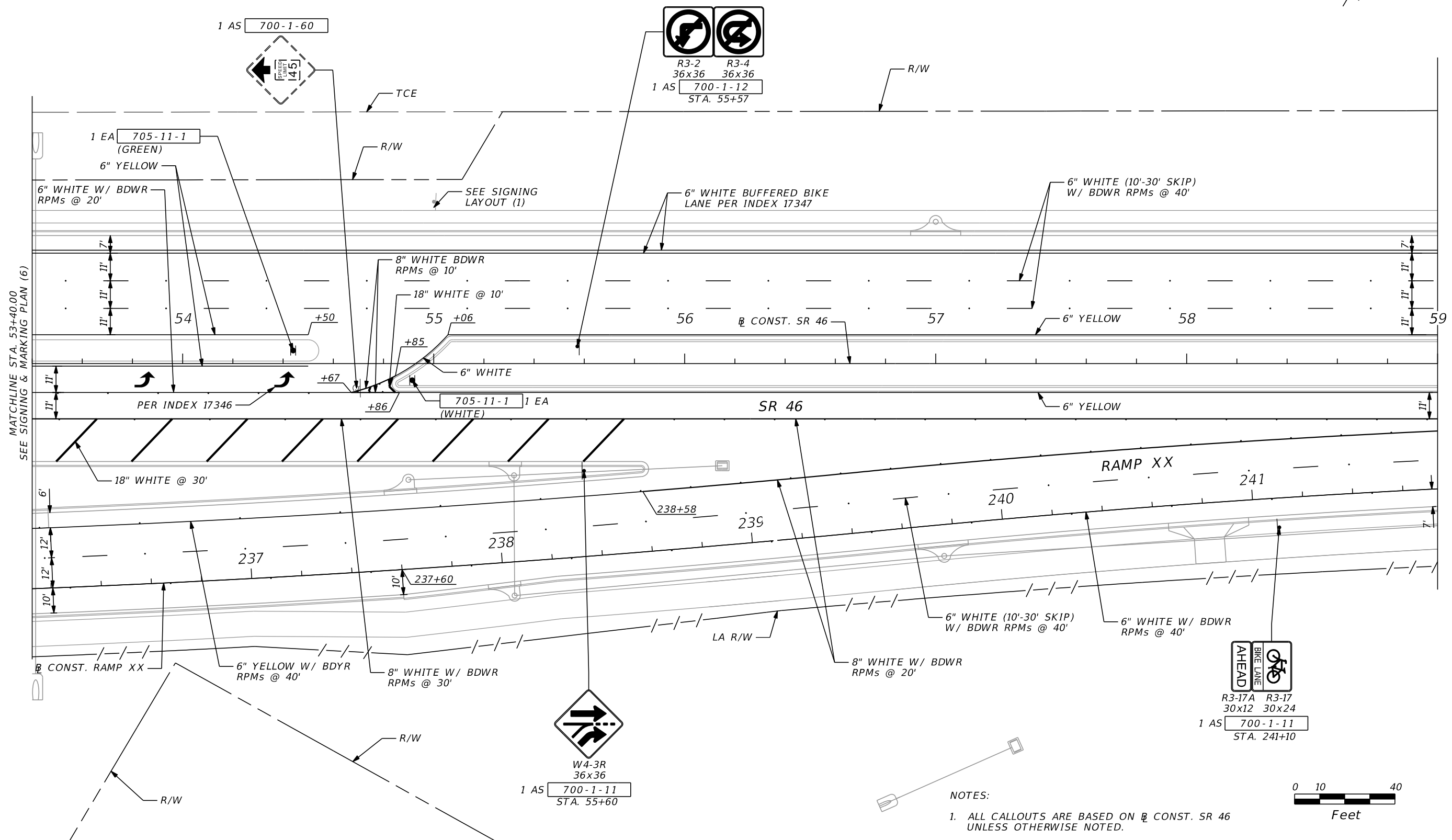
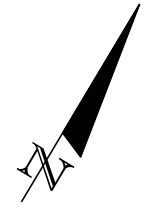
**NOTES:**

1. ALL CALLOUTS ARE BASED ON  $\square$  CONST. SR 46 UNLESS OTHERWISE NOTED.

R5-6  
24x24  
700-1-11 1 AS  
STA. 48+00

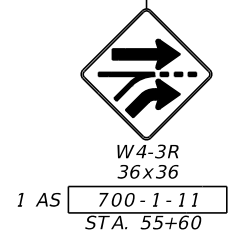
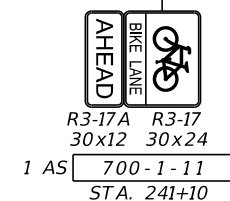
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 46	LAKE	238275-2-52-01	SIGNING & MARKING PLAN (6) S-19
SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865							

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

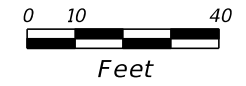


MATCHLINE STA. 53+40.00  
SEE SIGNING & MARKING PLAN (6)

MATCHLINE STA. 59+00.00  
SEE SIGNING & MARKING PLAN (8)



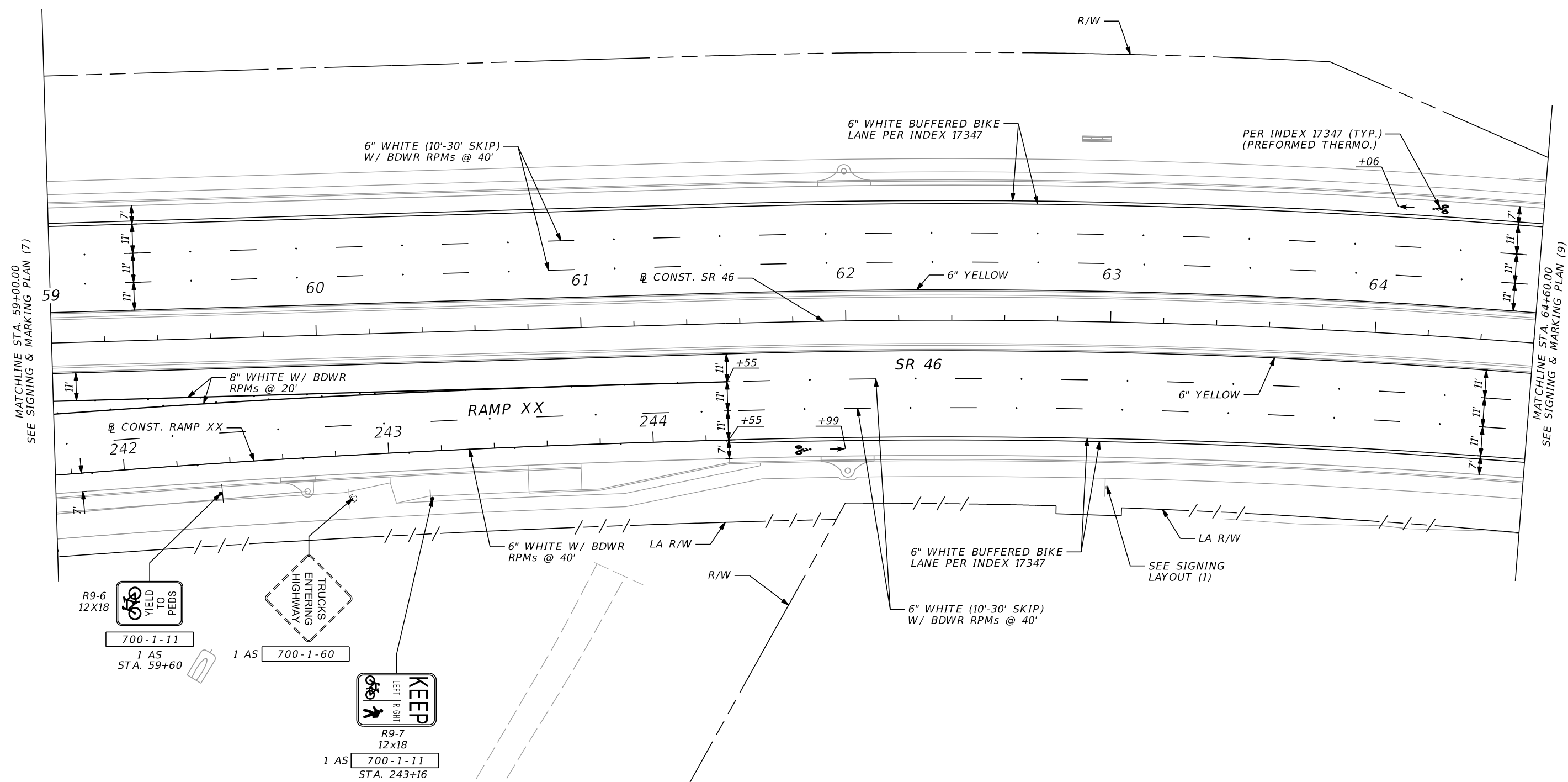
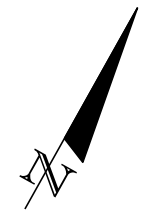
**NOTES:**  
1. ALL CALLOUTS ARE BASED ON  $\frac{1}{2}$  CONST. SR 46 UNLESS OTHERWISE NOTED.



REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; MARKING            PLAN (7)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 46	LAKE		238275-2-52-01

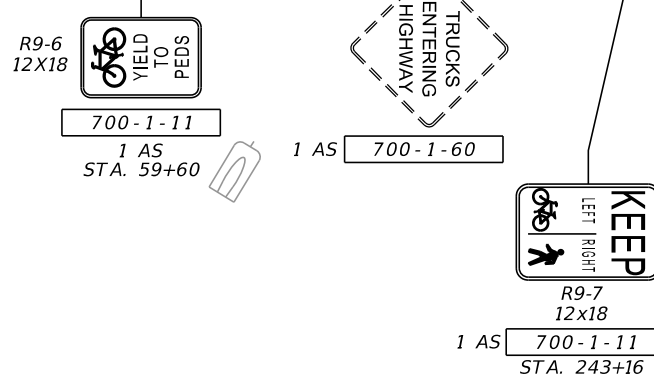
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



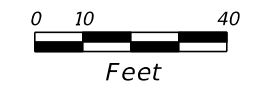


MATCHLINE STA. 59+00.00  
SEE SIGNING & MARKING PLAN (7)

MATCHLINE STA. 64+60.00  
SEE SIGNING & MARKING PLAN (9)

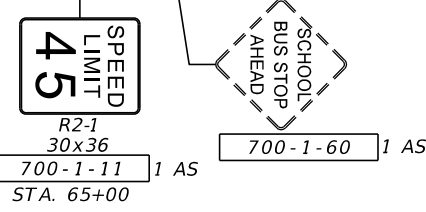
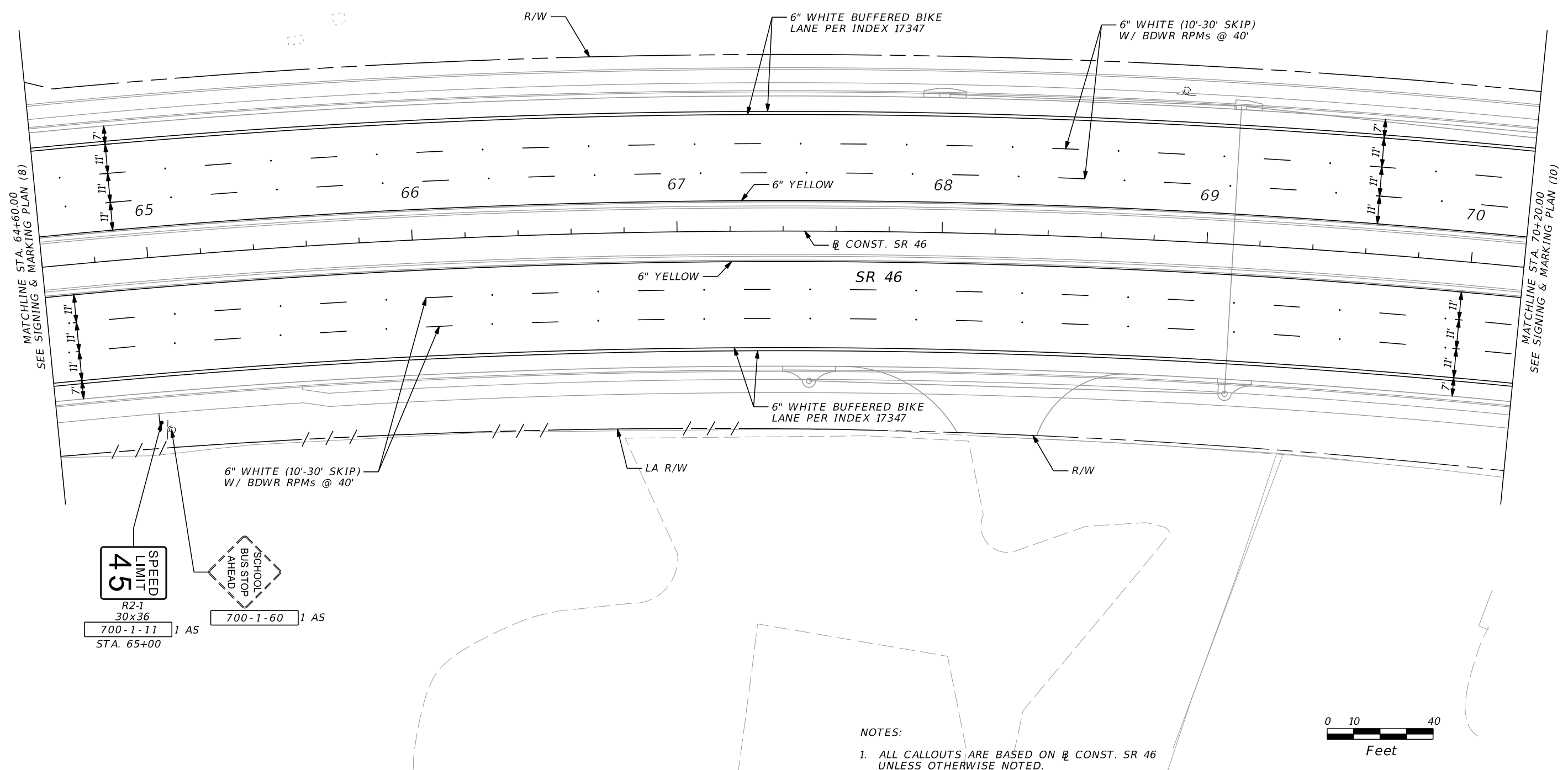
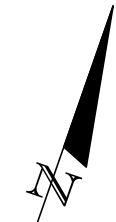


NOTES:  
1. ALL CALLOUTS ARE BASED ON CONST. SR 46 UNLESS OTHERWISE NOTED.

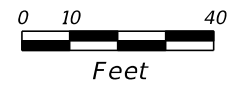


REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; MARKING PLAN (8)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 46	LAKE	238275-2-52-01		S-21

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



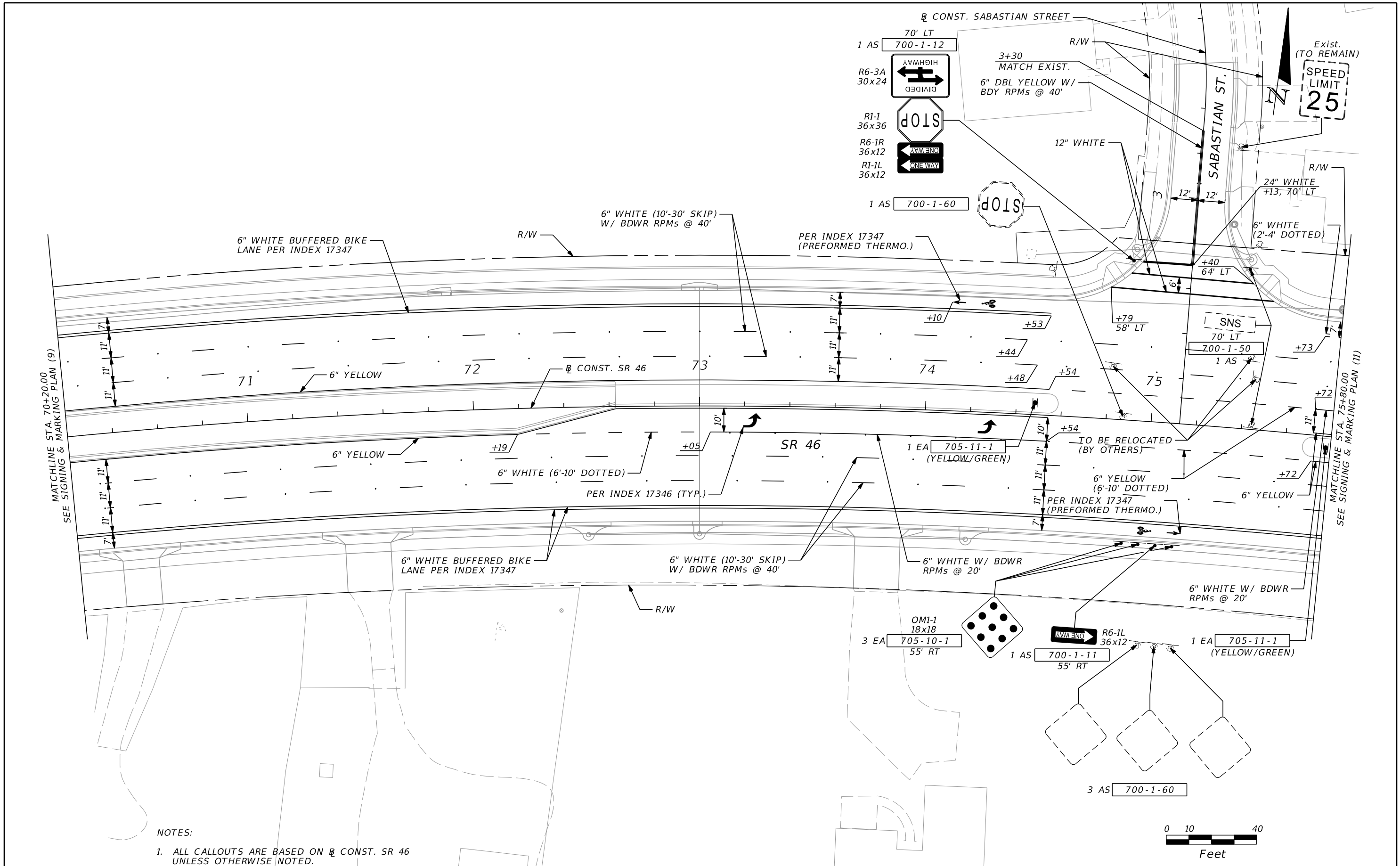
NOTES:  
 1. ALL CALLOUTS ARE BASED ON  $\frac{1}{4}$  CONST. SR 46 UNLESS OTHERWISE NOTED.



REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-22
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 46	LAKE	238275-2-52-01	

**SIGNING & MARKING  
 PLAN (9)**

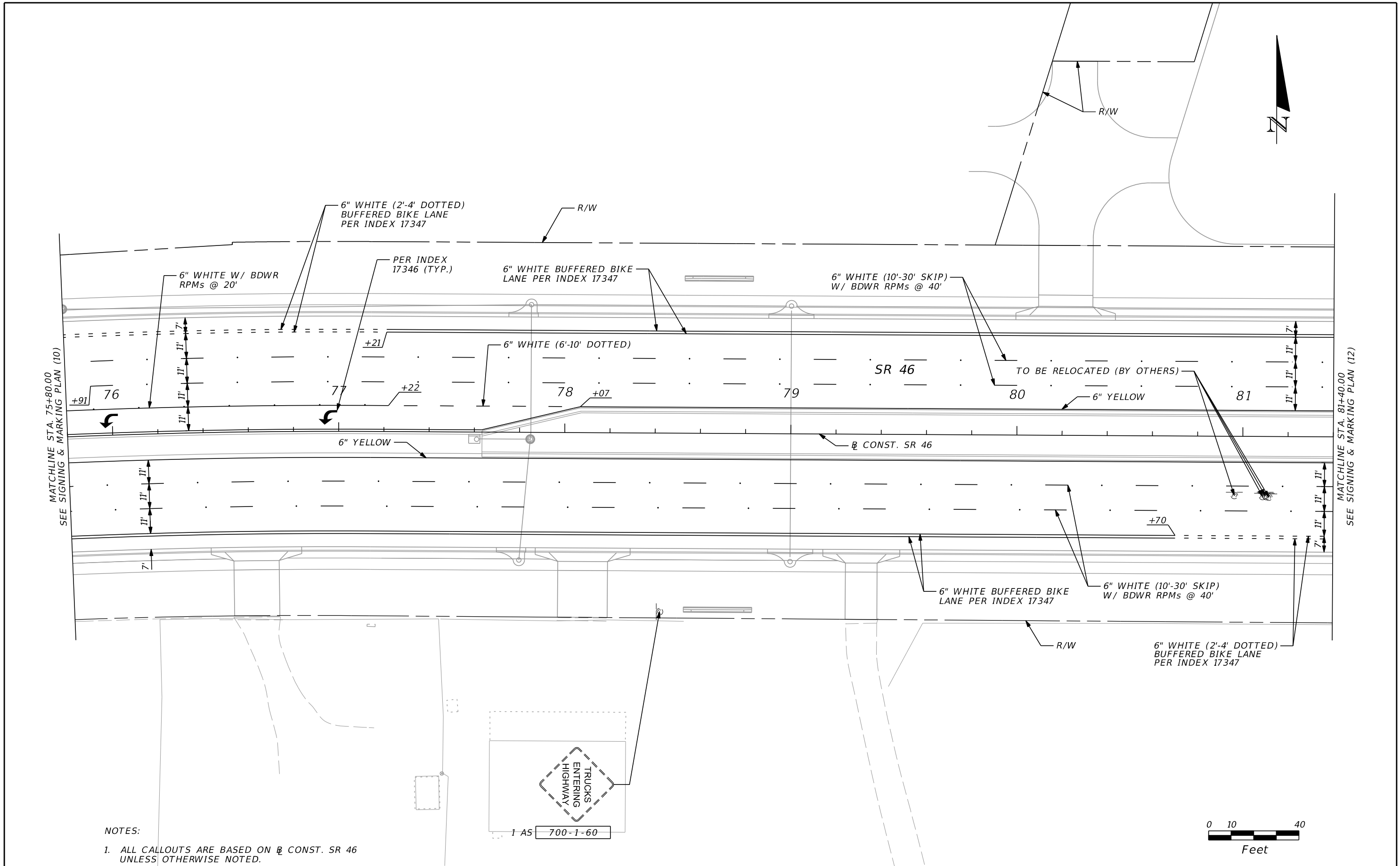
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



NOTES:  
 1. ALL CALLOUTS ARE BASED ON CONST. SR 46 UNLESS OTHERWISE NOTED.

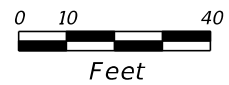
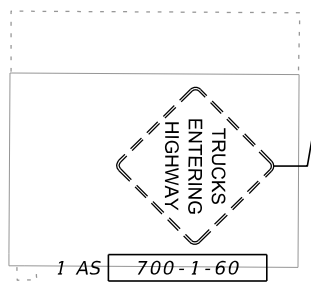
REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; MARKING          PLAN (10)</b>	SHEET NO. S-23
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 46	LAKE	238275-2-52-01		

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



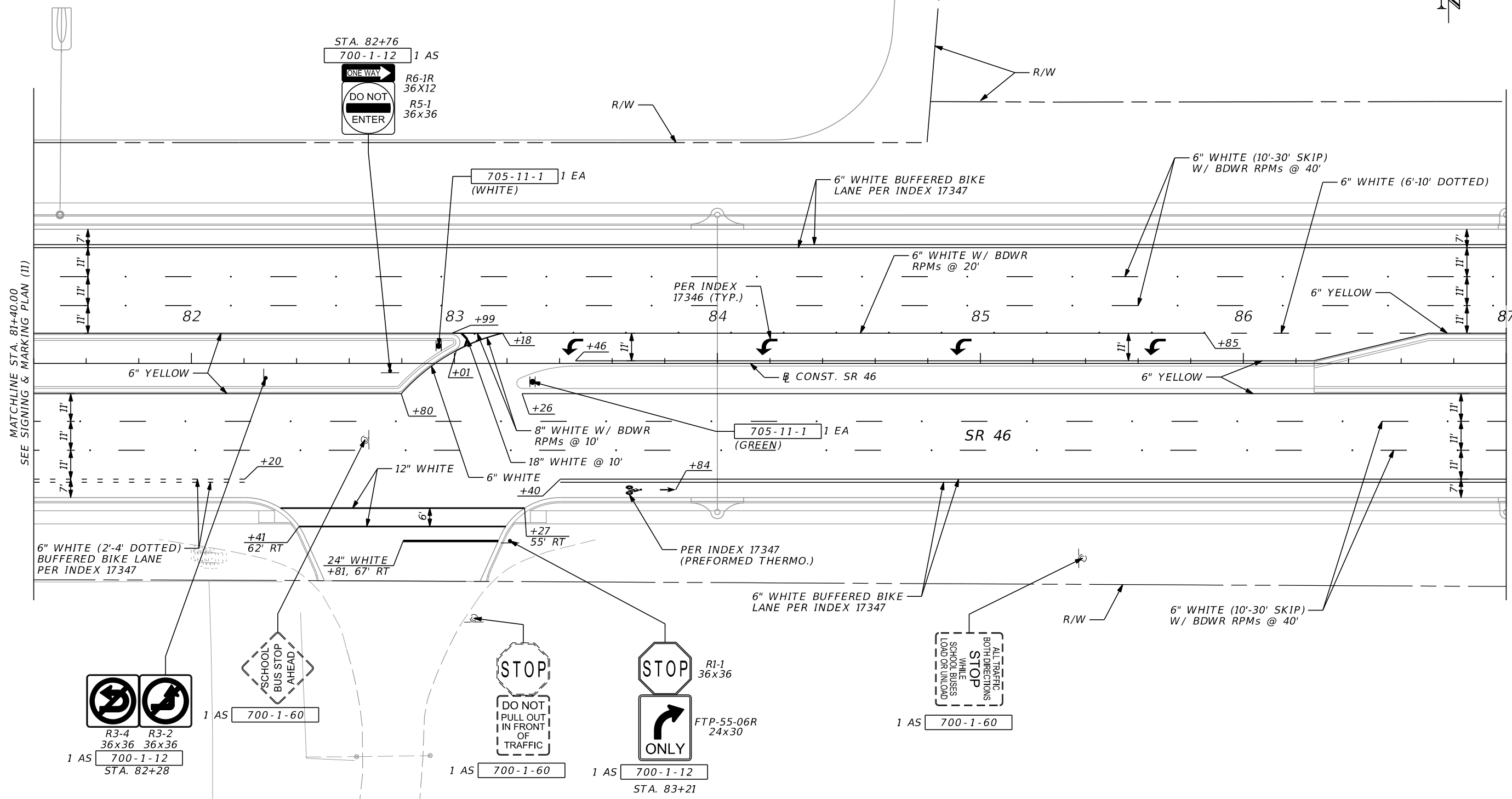
NOTES:

1. ALL CALLOUTS ARE BASED ON  $\mathcal{R}$  CONST. SR 46 UNLESS OTHERWISE NOTED.



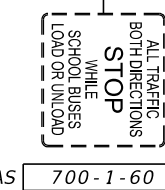
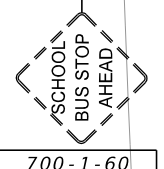
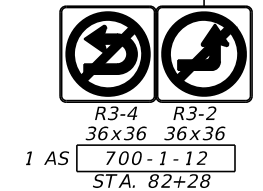
REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (11)	SHEET NO. S-24
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 46	LAKE	238275-2-52-01		

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

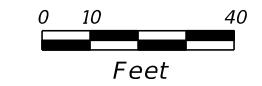


MATCHLINE STA. 81+40.00  
SEE SIGNING & MARKING PLAN (11)

MATCHLINE STA. 87+00.00  
SEE SIGNING & MARKING PLAN (13)

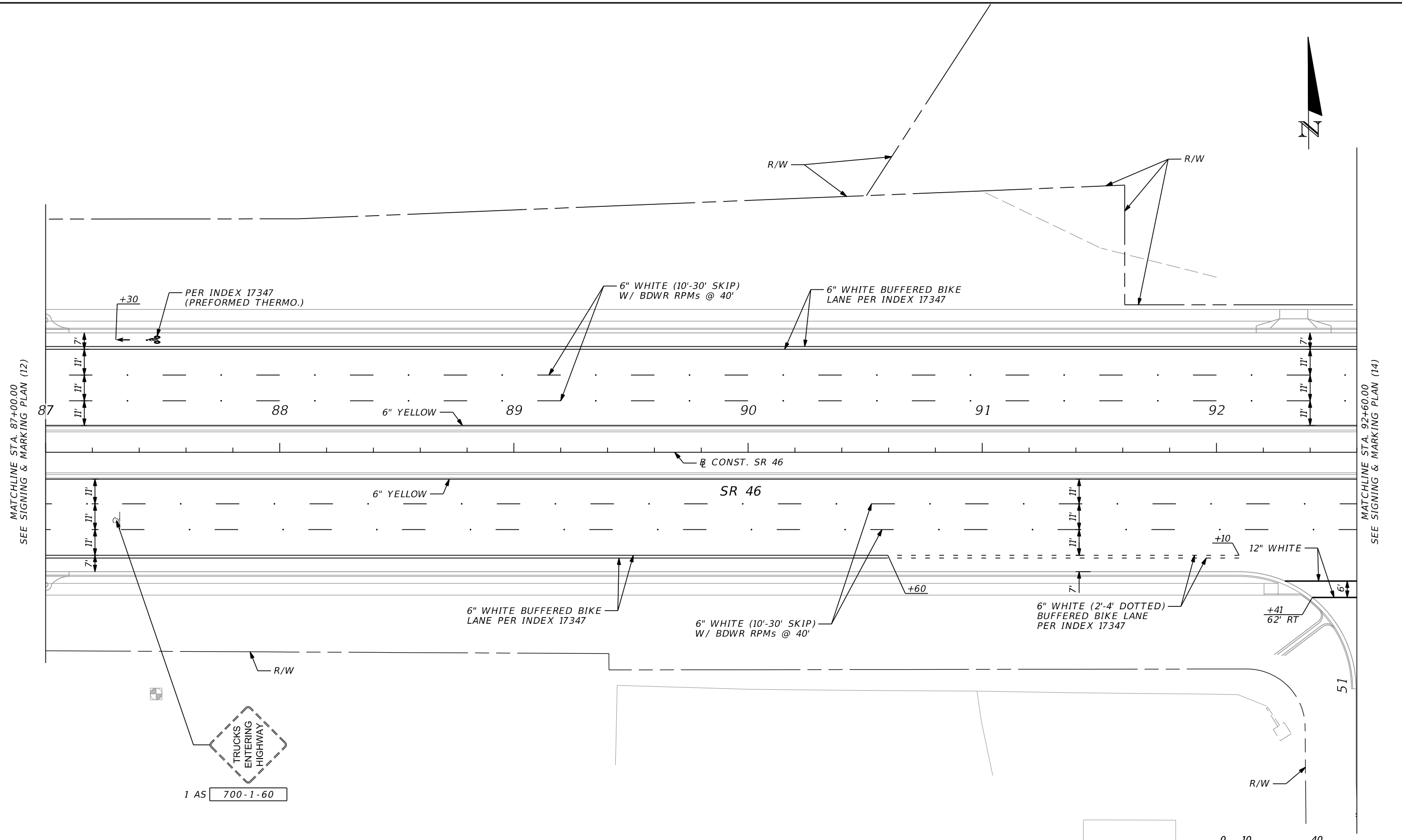


NOTES:  
1. ALL CALLOUTS ARE BASED ON CONST. SR 46 UNLESS OTHERWISE NOTED.



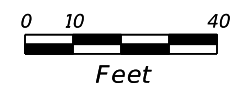
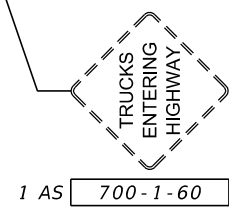
REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  S-25
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 46	LAKE	238275-2-52-01	

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



MATCHLINE STA. 87+00.00  
SEE SIGNING & MARKING PLAN (12)

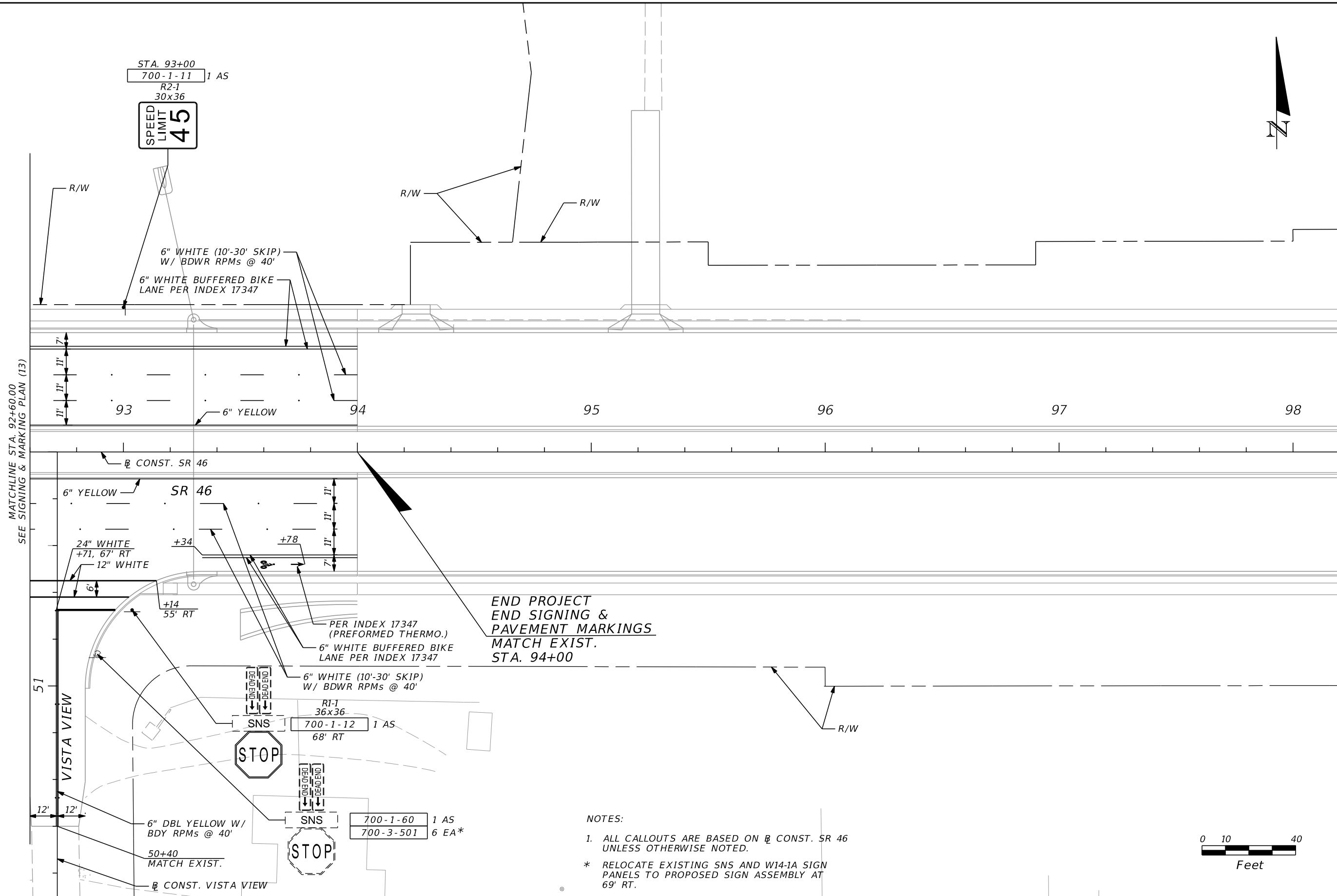
MATCHLINE STA. 92+60.00  
SEE SIGNING & MARKING PLAN (14)



NOTES:  
1. ALL CALLOUTS ARE BASED ON  $\varnothing$  CONST. SR 46 UNLESS OTHERWISE NOTED.

REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (13)	SHEET NO.  S-26
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 46	LAKE	238275-2-52-01		

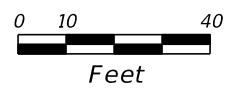
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



END PROJECT  
END SIGNING &  
PAVEMENT MARKINGS  
MATCH EXIST.  
STA. 94+00

NOTES:

1. ALL CALLOUTS ARE BASED ON  $\varnothing$  CONST. SR 46 UNLESS OTHERWISE NOTED.
- \* RELOCATE EXISTING SNS AND W14-1A SIGN PANELS TO PROPOSED SIGN ASSEMBLY AT 69' RT.



REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  S-27
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 46	LAKE	

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



STA. 405+88  
700-1-11 1 AS



BEGIN PAVEMENT MARKINGS  
MATCH EXIST.  
STA. 403+86

BEGIN SIGNING  
STA. 402+84



401

402

403

404

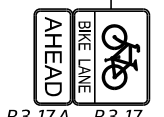
405

406

SR 500

CONST. SR 500

1 EA 705-11-1  
(YELLOW/GREEN)



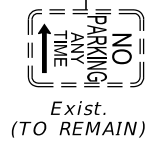
R3-17A R3-17  
30x12 30x24  
700-1-11 1 AS  
STA. 402+84

Exist. (TO REMAIN)

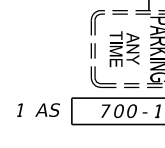
Exist. (TO REMAIN)

Exist. (TO REMAIN)

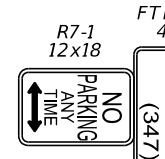
MT DORA  
CITY LIMIT  
ENTERING  
LAKE COUNTY  
LAKE SOIL & WATER  
CONSERVATION  
DISTRICT



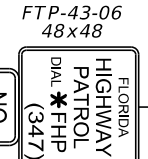
Exist. (TO REMAIN)



1 AS 700-1-60



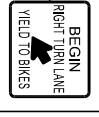
1 AS 700-1-11  
STA. 405+10



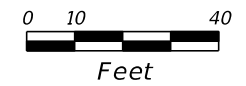
1 AS 700-1-60



1 AS 700-1-60



1 AS 700-1-11  
STA. 405+85

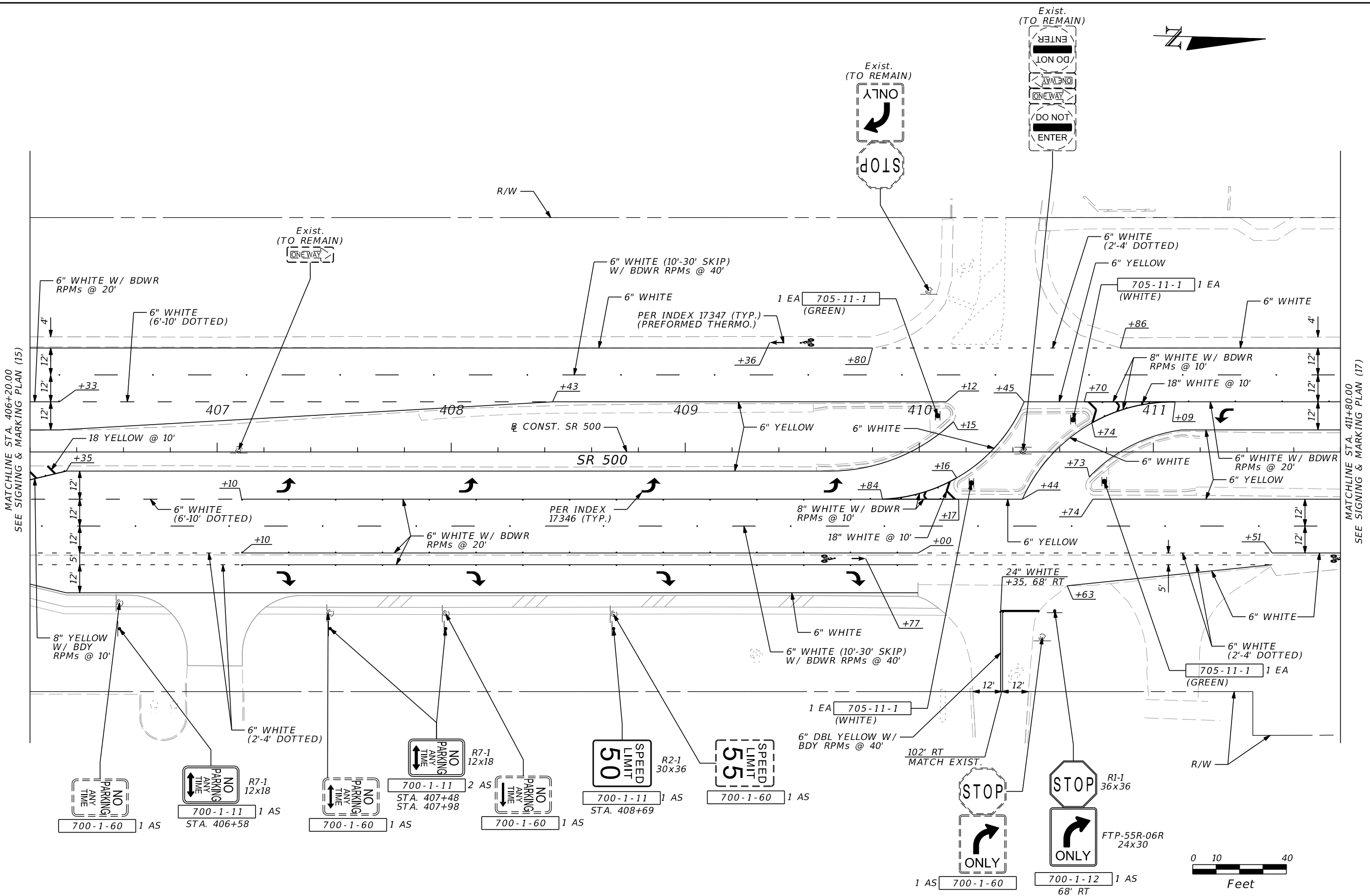


MATCHLINE STA. 406+20.00  
SEE SIGNING & MARKING PLAN (16)

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

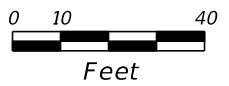
REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (15)	SHEET NO.  S-28
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 46	LAKE	238275-2-52-01		





MATCHLINE STA. 406+20.00  
SEE SIGNING & MARKING PLAN (15)

MATCHLINE STA. 411+80.00  
SEE SIGNING & MARKING PLAN (17)



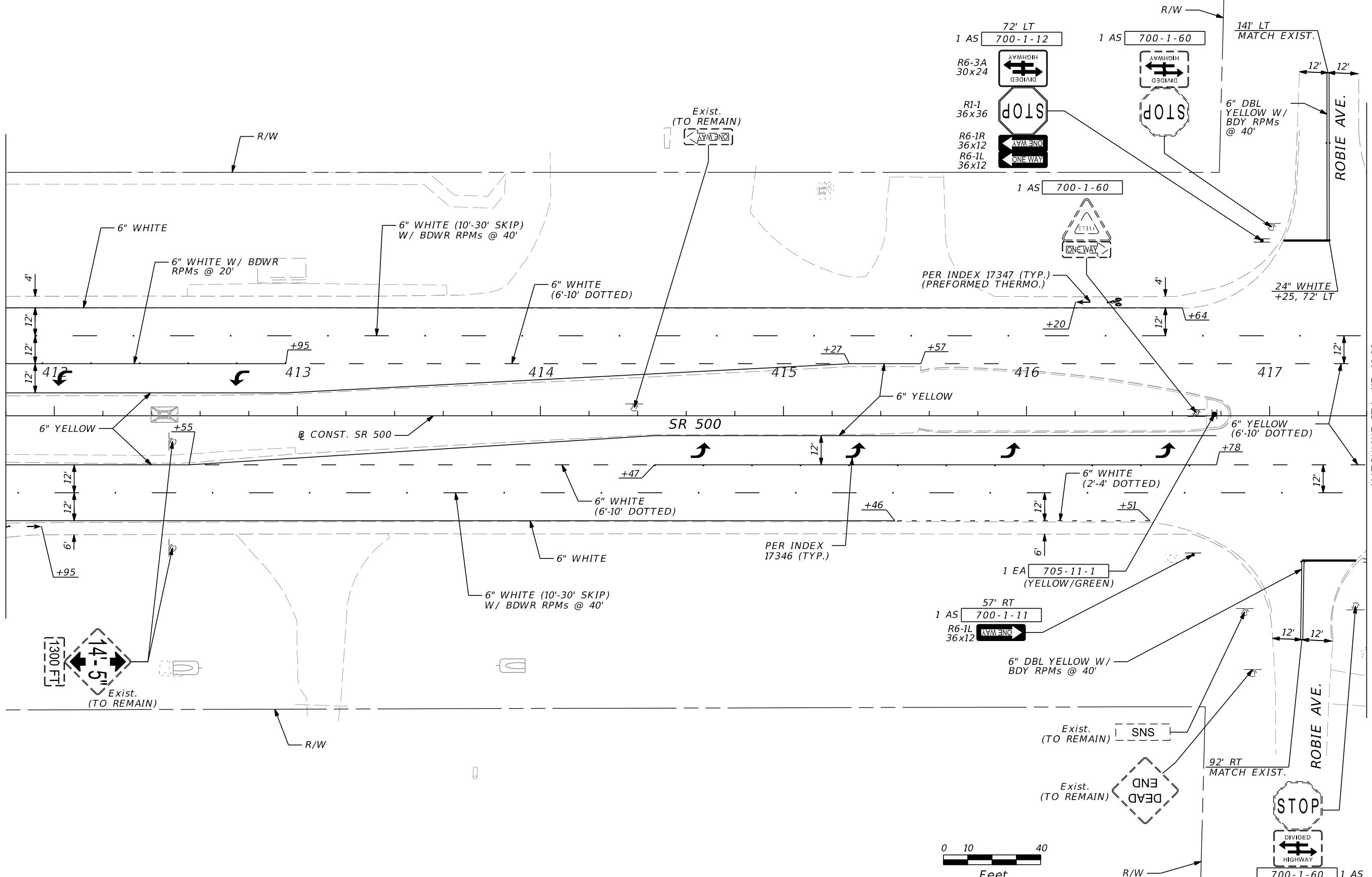
REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; MARKING</b> <b>PLAN (16)</b>	SHEET NO. S-29
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 46	LAKE	238275-2-52-01		

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



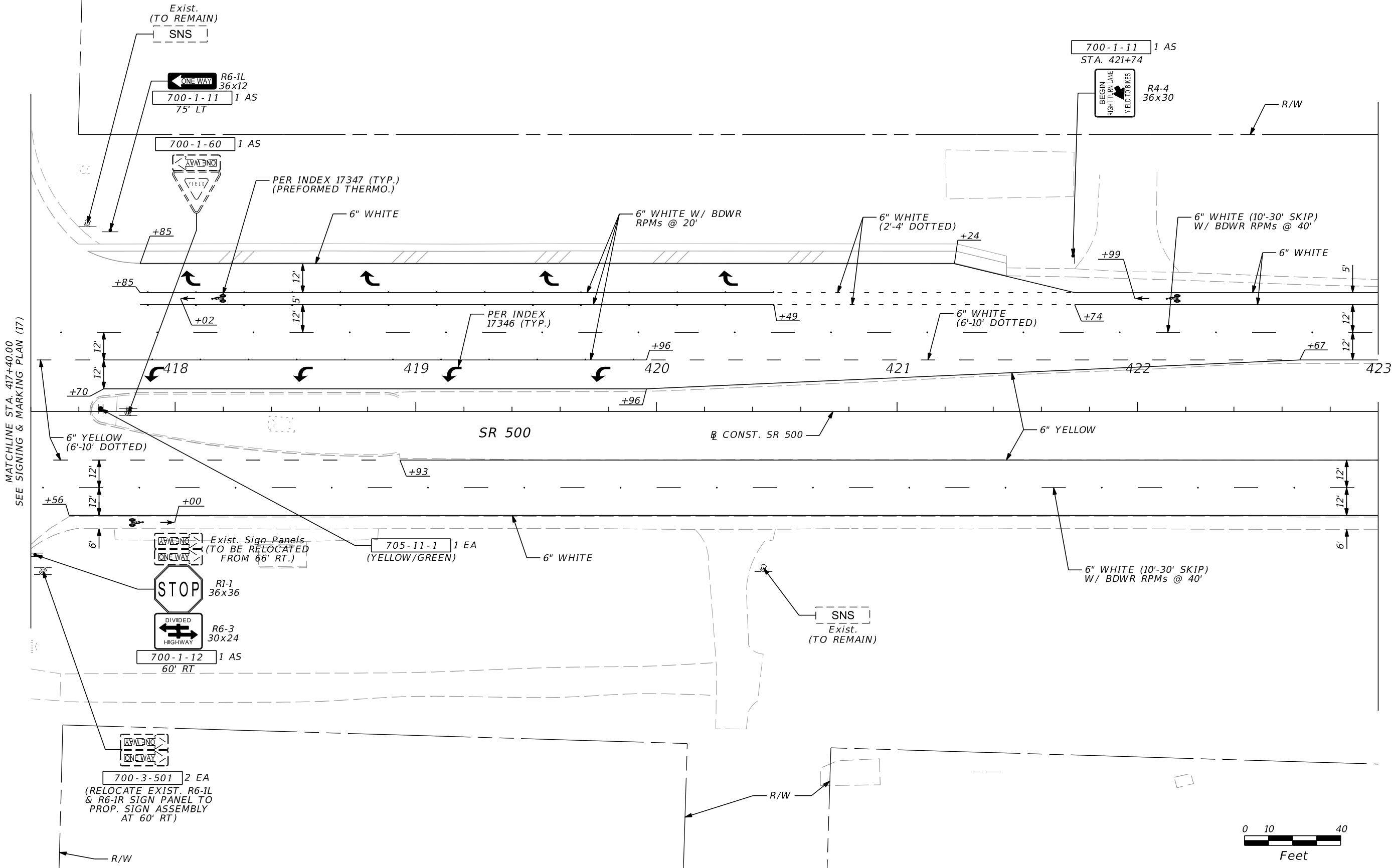
MATCHLINE STA. 411+80.00  
SEE SIGNING & MARKING PLAN (16)

MATCHLINE STA. 417+40.00  
SEE SIGNING & MARKING PLAN (18)



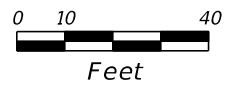
REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; MARKING            PLAN (17)</b>	SHEET NO.  S-30
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 46	LAKE	238275-2-52-01		

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



MATCHLINE STA. 417+40.00  
SEE SIGNING & MARKING PLAN (17)

MATCHLINE STA. 423+00.00  
SEE SIGNING & MARKING PLAN (19)



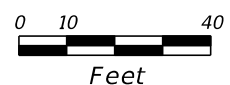
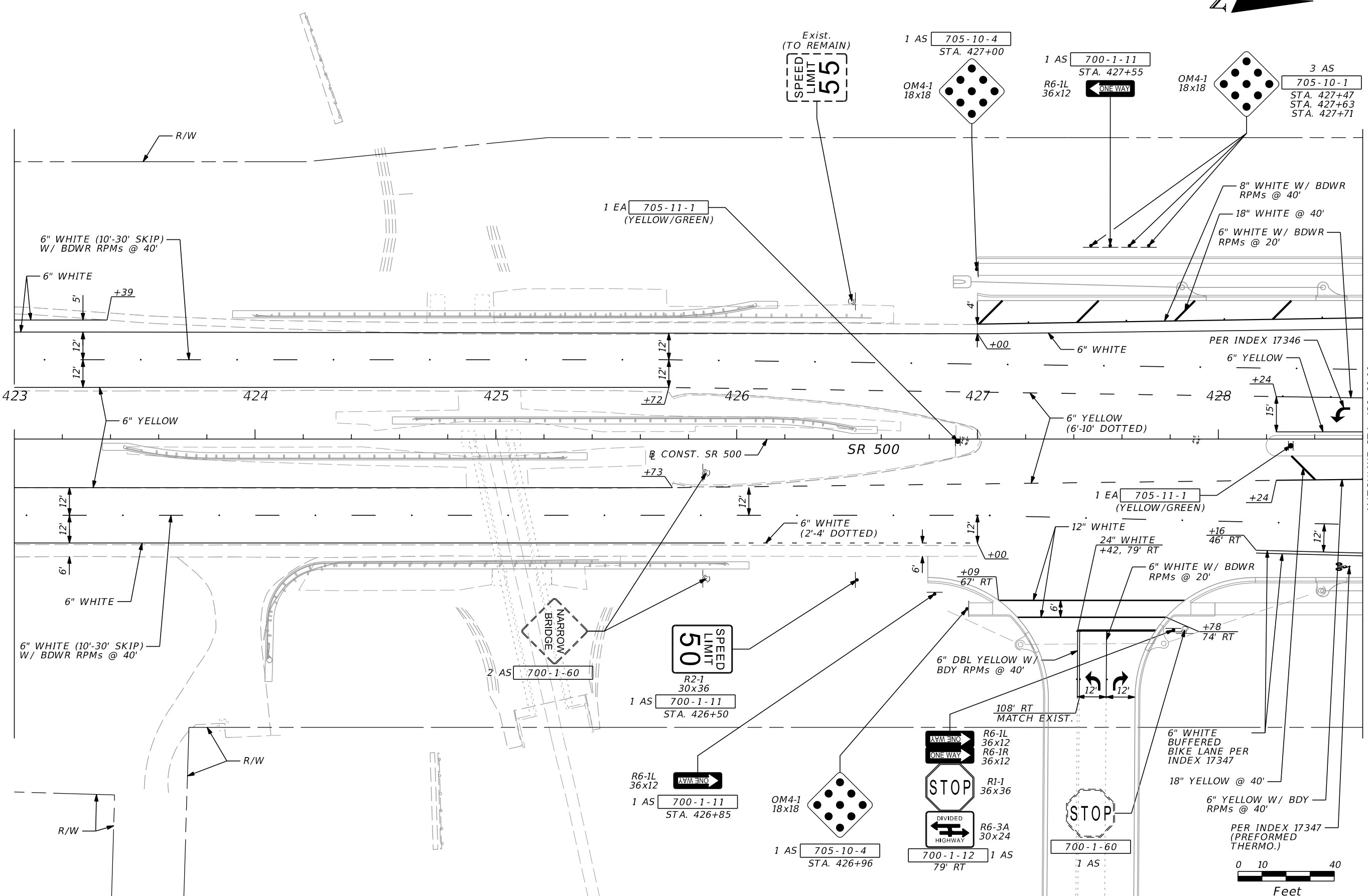
REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  S-31
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 46	LAKE	238275-2-52-01	

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



MATCHLINE STA. 423+00.00  
SEE SIGNING & MARKING PLAN (18)

MATCHLINE STA. 428+60.00  
SEE SIGNING & MARKING PLAN (20)



REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  S-32
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 46	LAKE	238275-2-52-01	

**SIGNING & MARKING  
PLAN (19)**

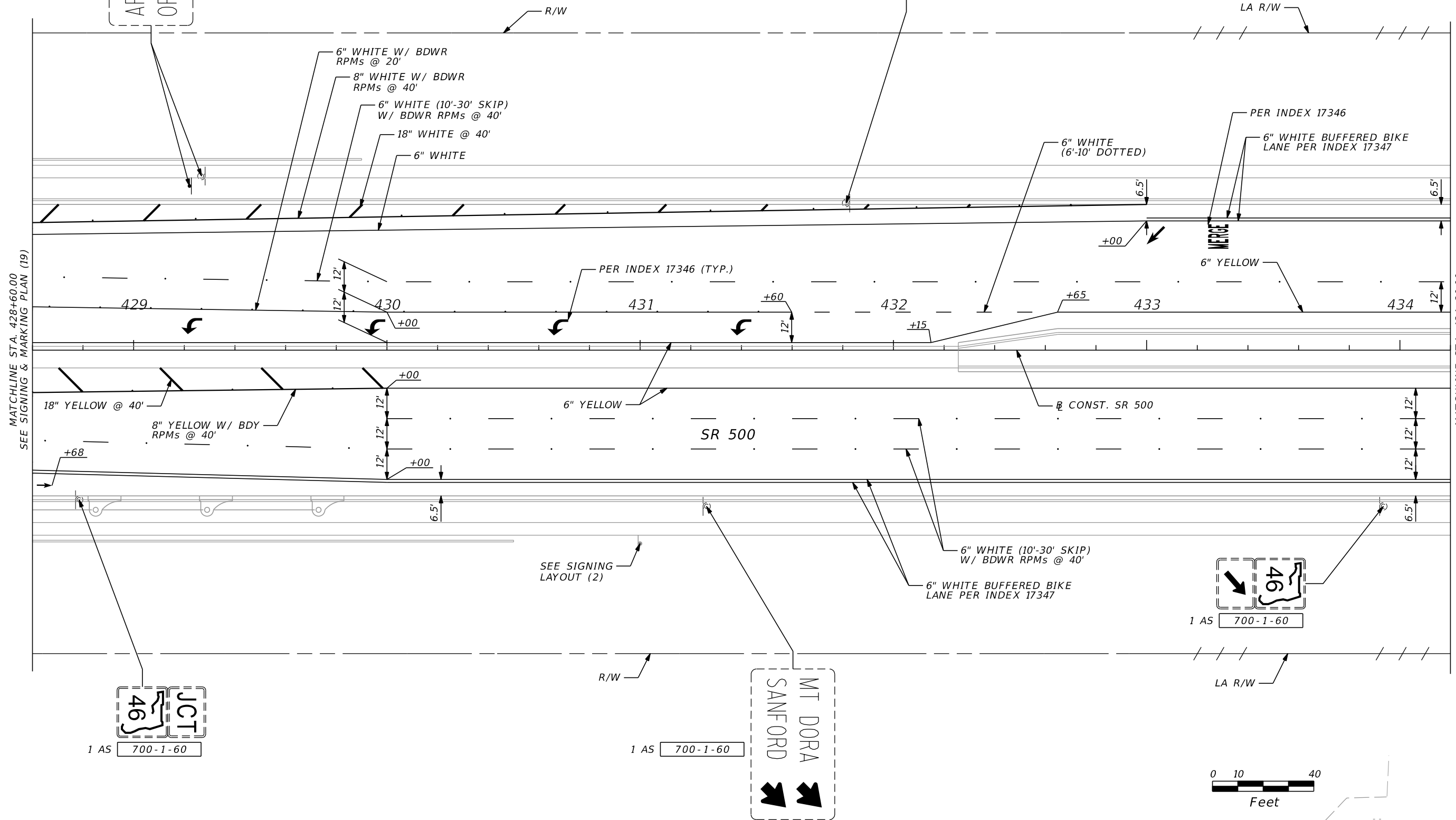
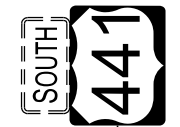
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



APOPKA  
ORLANDO 23

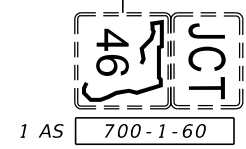
700-1-50 1 AS  
STA. 429+20

1 AS 700-1-60



MATCHLINE STA. 428+60.00  
SEE SIGNING & MARKING PLAN (19)

MATCHLINE STA. 434+20.00  
SEE SIGNING & MARKING PLAN (21)

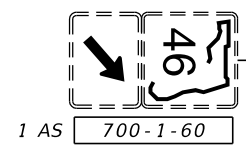


1 AS 700-1-60

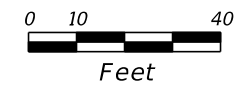
SEE SIGNING LAYOUT (2)

MT DORA  
SANFORD

1 AS 700-1-60

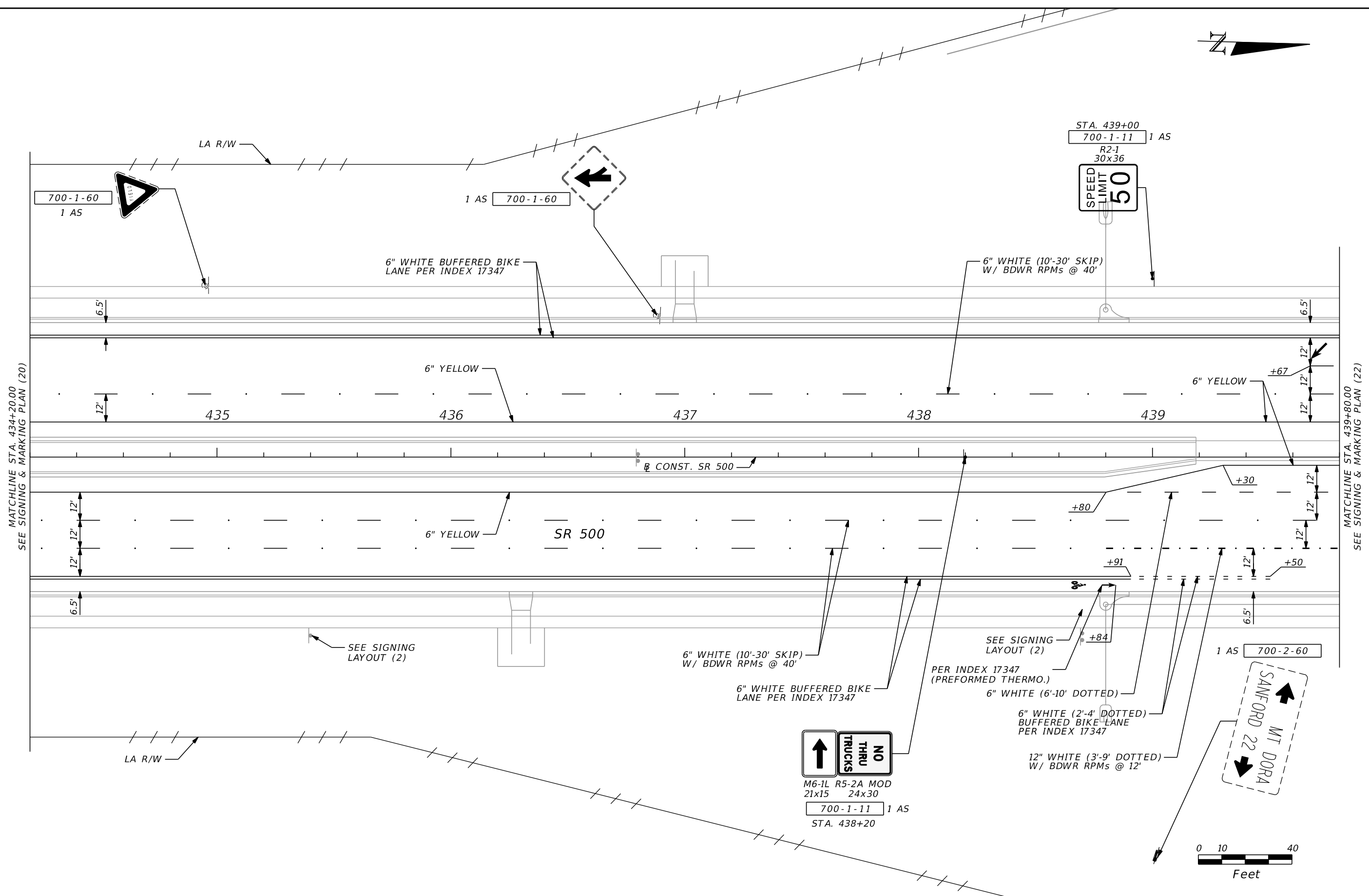


1 AS 700-1-60



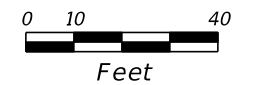
REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; MARKING            PLAN (20)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 46	LAKE		238275-2-52-01

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



MATCHLINE STA. 434+20.00  
SEE SIGNING & MARKING PLAN (20)

MATCHLINE STA. 439+80.00  
SEE SIGNING & MARKING PLAN (22)



REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; MARKING            PLAN (21)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 46	LAKE	238275-2-52-01		S-34

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

NOTES:

1. ALL CALLOUTS ARE BASED ON  $\mathcal{B}$  CONST. SR 500 UNLESS OTHERWISE NOTED.
2. SR 46 AND RAMP YY ARE SHOWN FOR REFERENCE ONLY.

WARN-1 SEE GUIDE SIGN WORK SHEET  
1 AS 700-1-11  
STA. 442+50

STA. 441+50  
700-1-11 1 AS  
W4-2R  
36x36

STA. 442+55  
700-1-11 1 AS  
R4-7 OMI-1  
24x30 18x18

1 AS 700-1-60

STA. 444+85  
700-1-11 1 AS  
OMI-1 R4-7  
18x18 24x30

6" WHITE BUFFERED BIKE LANE PER INDEX 17347

WARN-1 SEE GUIDE SIGN WORK SHEET  
1 AS 700-1-11  
STA. 444+50

6" WHITE W/ BDWR RPMs @ 20'

PER INDEX 17346 (TYP.)

SEE SIGNING LAYOUT (2)

6" WHITE BUFFERED BIKE LANE PER INDEX 17347

6" WHITE (10'-30' SKIP) W/ BDWR RPMs @ 40'

PER INDEX 17347 (TYP.) (PERFORMED THERMO.)

6" YELLOW

SR 500

6" WHITE (10'-30' SKIP) W/ BDWR RPMs @ 40'

6" DBL YELLOW W/ BDY RPMs @ 10'

24" WHITE +83, 0' RT

6" WHITE (2'-4' DOTTED)

12" WHITE (3'-9' DOTTED) W/ BDWR RPMs @ 12'

R3-7R 36x36  
RIGHT LANE MUST TURN RIGHT

1 AS 700-1-11  
STA. 440+94

6" WHITE W/ BDWR RPMs @ 20'

6" WHITE BUFFERED BIKE LANE PER INDEX 17347

PER INDEX 17346 (TYP.)  
SEE SIGNING LAYOUT (2)

END OF SIDEWALK AHEAD

WARN-1 SEE GUIDE SIGN WORK SHEET  
1 AS 700-1-11  
STA. 442+60

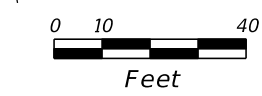
$\mathcal{B}$  CONST. RAMP XX

WARN-1 SEE GUIDE SIGN WORK SHEET  
1 AS 700-1-11  
STA. 306+50

END OF SIDEWALK AHEAD

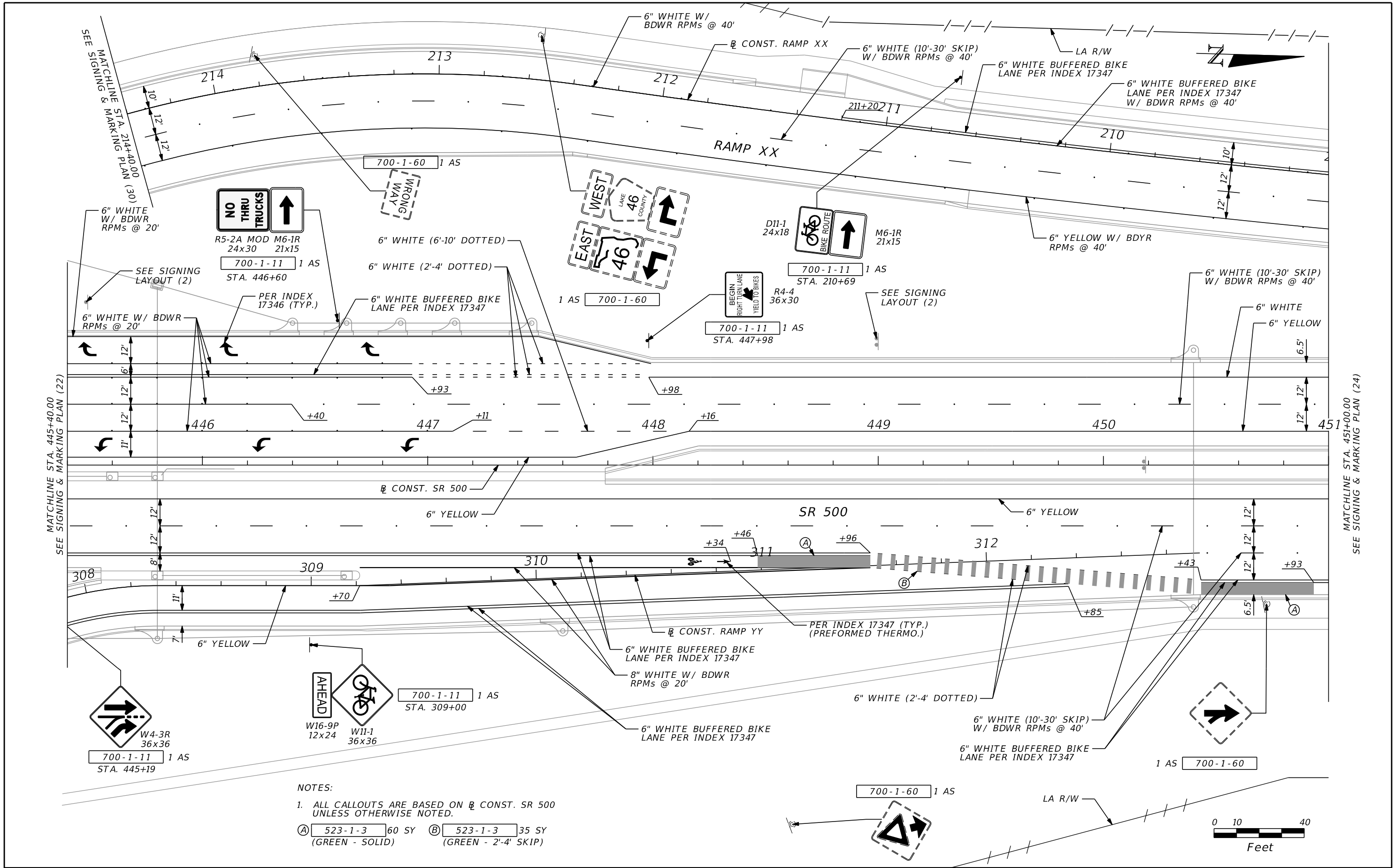
MATCHLINE STA. 439+80.00  
SEE SIGNING & MARKING PLAN (21)

MATCHLINE STA. 445+40.00  
SEE SIGNING & MARKING PLAN (23)



REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (22)	SHEET NO.  S-35
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 46	LAKE	238275-2-52-01		

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



- NOTES:
- ALL CALLOUTS ARE BASED ON CONST. SR 500 UNLESS OTHERWISE NOTED.
- (A) 523-1-3 60 SY (GREEN - SOLID)    (B) 523-1-3 35 SY (GREEN - 2'-4' SKIP)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SCOTT G. HORLANDER, P.E.  
P.E. NO. 46624  
PROTEAN DESIGN GROUP  
100 EAST PINE STREET, SUITE 600  
ORLANDO FLORIDA 32801  
CERTIFICATE OF AUTHORIZATION NUMBER 7865

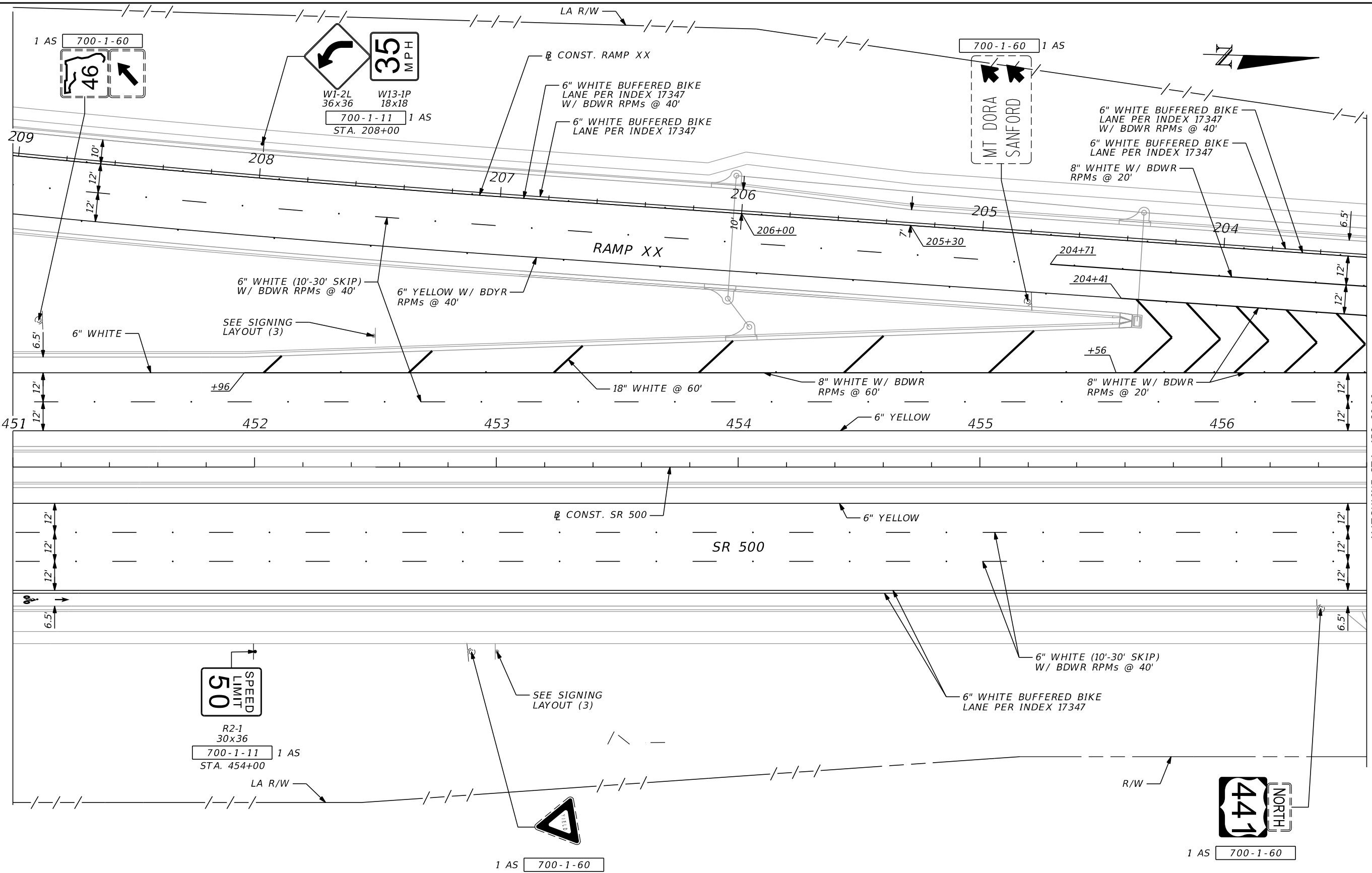
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 46	LAKE	238275-2-52-01

**SIGNING & MARKING  
PLAN (23)**

SHEET NO.  
S-36

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





MATCHLINE STA. 451+00.00  
SEE SIGNING & MARKING PLAN (23)

MATCHLINE STA. 456+60.00  
SEE SIGNING & MARKING PLAN (25)

**NOTES:**

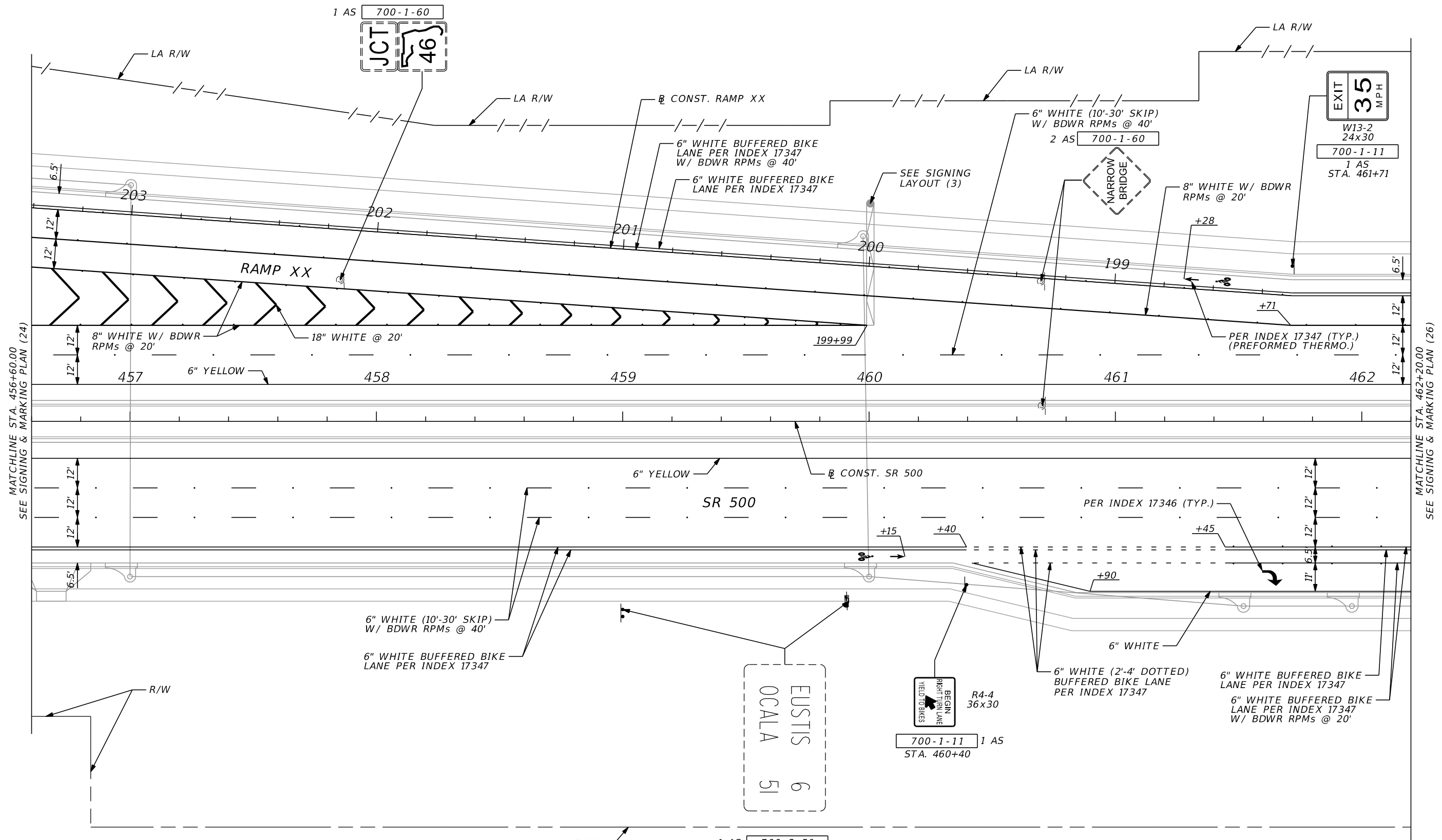
1. ALL CALLOUTS ARE BASED ON  $\varnothing$  CONST. SR 500 UNLESS OTHERWISE NOTED.

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  S-37
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 46	LAKE	238275-2-52-01	

SCOTT G. HORLANDER, P.E.  
P.E. NO. 46624  
PROTEAN DESIGN GROUP  
100 EAST PINE STREET, SUITE 600  
ORLANDO FLORIDA 32801  
CERTIFICATE OF AUTHORIZATION NUMBER 7865

**SIGNING & MARKING  
PLAN (24)**

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

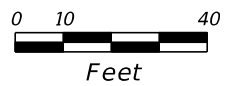


MATCHLINE STA. 456+60.00  
SEE SIGNING & MARKING PLAN (24)

MATCHLINE STA. 462+20.00  
SEE SIGNING & MARKING PLAN (26)

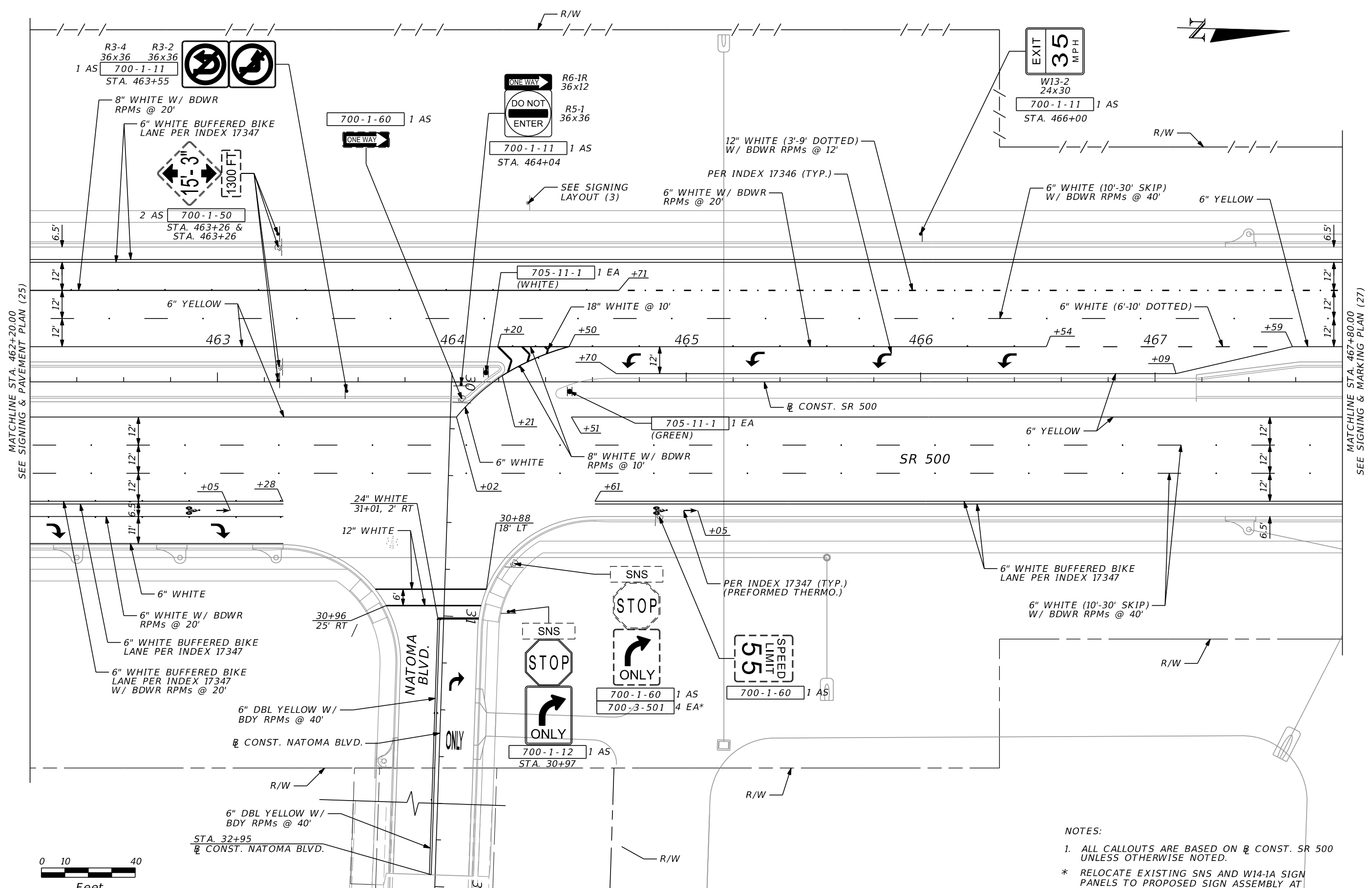
**NOTES:**

- ALL CALLOUTS ARE BASED ON  $\varnothing$  CONST. SR 500 UNLESS OTHERWISE NOTED.



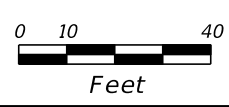
REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; MARKING                  PLAN (25)</b>	SHEET NO. S-38
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 46	LAKE	238275-2-52-01		

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



MATCHLINE STA. 462+20.00  
SEE SIGNING & PAVEMENT PLAN (25)

MATCHLINE STA. 467+80.00  
SEE SIGNING & MARKING PLAN (27)



- NOTES:**
- ALL CALLOUTS ARE BASED ON  $\frac{1}{2}$  CONST. SR 500 UNLESS OTHERWISE NOTED.
  - RELOCATE EXISTING SNS AND W14-1A SIGN PANELS TO PROPOSED SIGN ASSEMBLY AT STA. 30+97.

REVISIONS	
DATE	DESCRIPTION

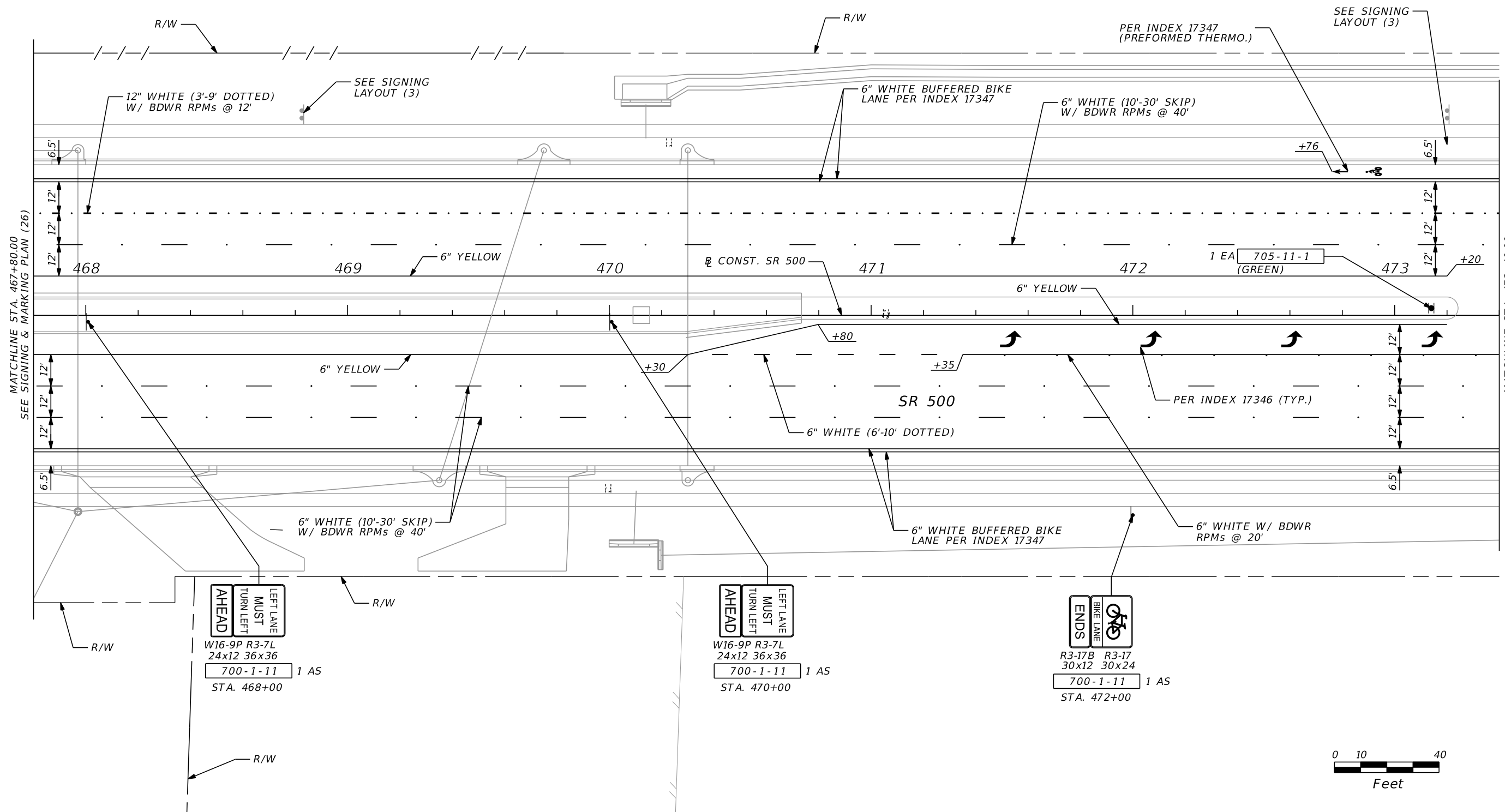
SCOTT G. HORLANDER, P.E.  
P.E. NO. 46624  
PROTEAN DESIGN GROUP  
100 EAST PINE STREET, SUITE 600  
ORLANDO FLORIDA 32801  
CERTIFICATE OF AUTHORIZATION NUMBER 7865

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 46	LAKE	238275-2-52-01

**SIGNING & MARKING  
PLAN (26)**

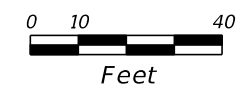
SHEET NO.  
S-39

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



MATCHLINE STA. 467+80.00  
SEE SIGNING & MARKING PLAN (26)

MATCHLINE STA. 473+40.00  
SEE SIGNING & PAVEMENT PLAN (28)



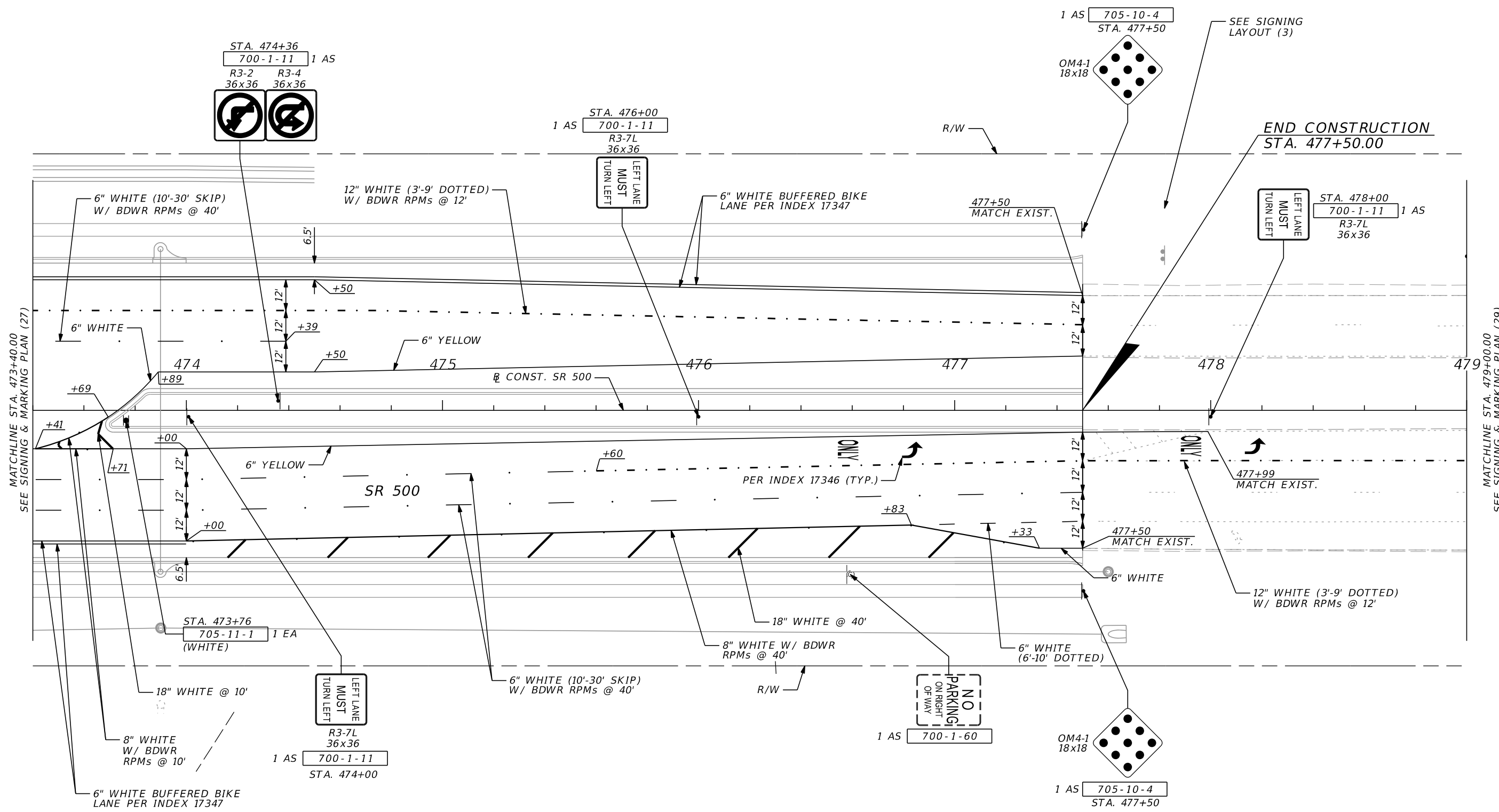
**AHEAD**  
 LEFT LANE  
 MUST  
 TURN LEFT  
 W16-9P R3-7L  
 24x12 36x36  
 700-1-11 1 AS  
 STA. 468+00

**AHEAD**  
 LEFT LANE  
 MUST  
 TURN LEFT  
 W16-9P R3-7L  
 24x12 36x36  
 700-1-11 1 AS  
 STA. 470+00

**ENDS**  
 BIKE LANE  
 R3-17B R3-17  
 30x12 30x24  
 700-1-11 1 AS  
 STA. 472+00

REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; MARKING          PLAN (27)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 46	LAKE		238275-2-52-01

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



711-17 III SF  
 INCLUDES REMOVAL OF EXIST. PAVT. MARKINGS (8" YELLOW, 18" YELLOW & 6" WHITE SKIP STRIPE) FROM STA. 477+50 TO STA. 479+30.

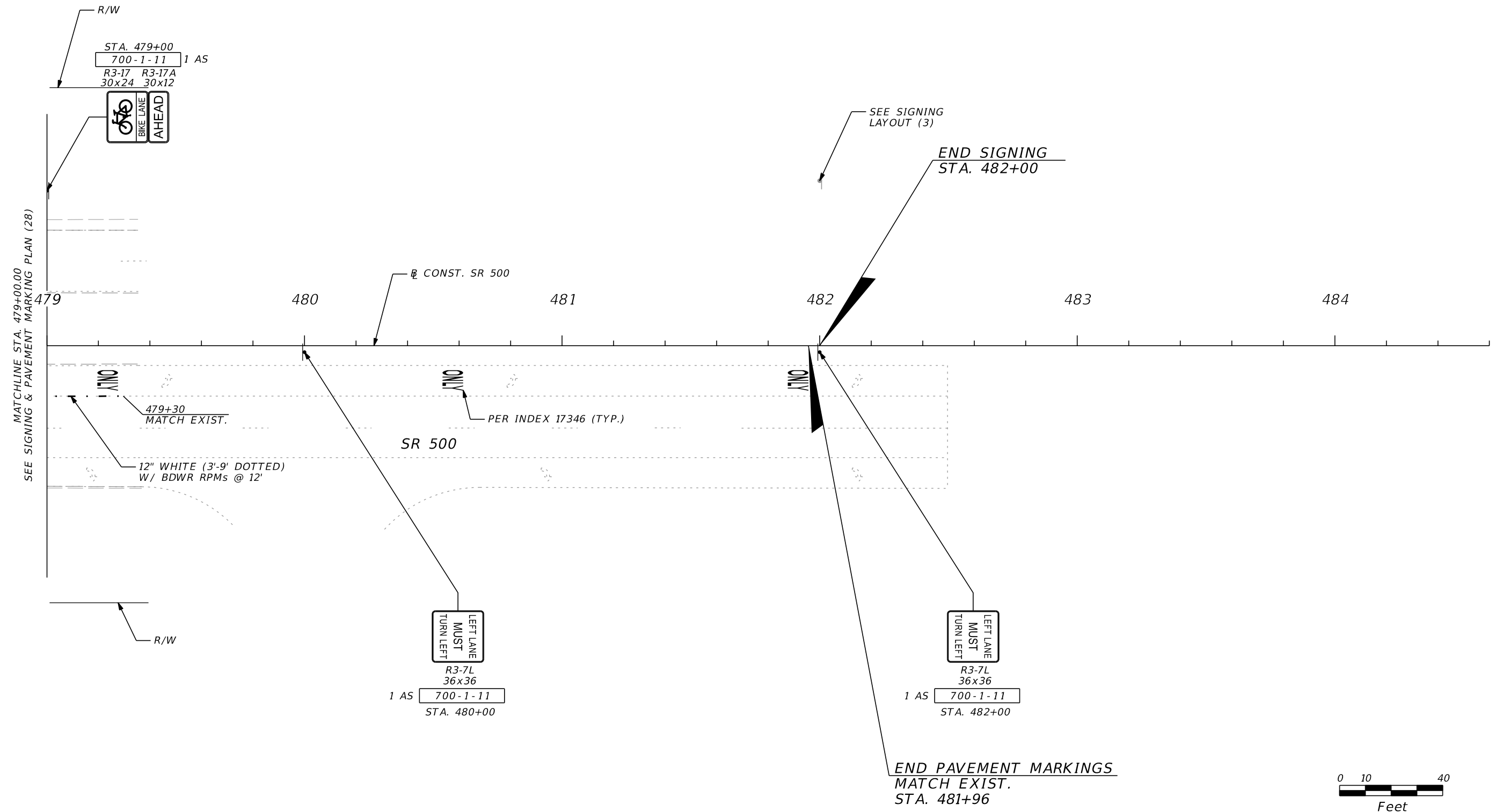
0 10 40  
 Feet

MATCHLINE STA. 473+40.00  
SEE SIGNING & MARKING PLAN (27)

MATCHLINE STA. 479+00.00  
SEE SIGNING & MARKING PLAN (29)

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

REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; MARKING          PLAN (28)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 46	LAKE		238275-2-52-01

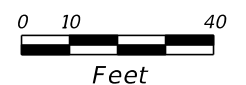


MATCHLINE STA. 479+00.00  
SEE SIGNING & PAVEMENT MARKING PLAN (28)

SEE SIGNING LAYOUT (3)

END SIGNING  
STA. 482+00

END PAVEMENT MARKINGS  
MATCH EXIST.  
STA. 481+96

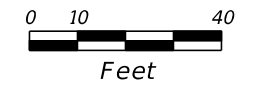
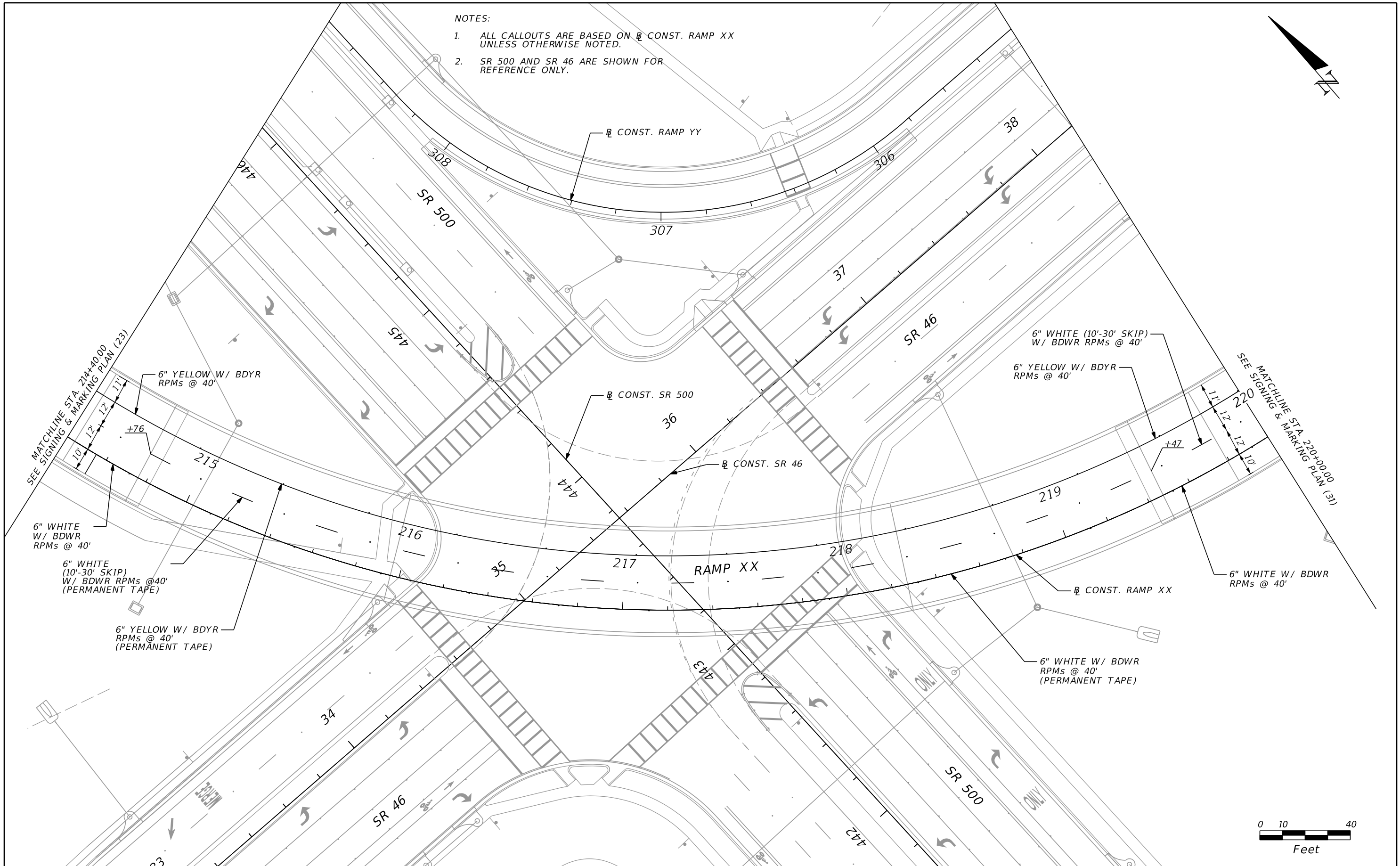
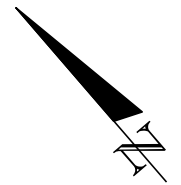


NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; MARKING            PLAN (29)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-42
					SR 46	LAKE	238275-2-52-01		

NOTES:

1. ALL CALLOUTS ARE BASED ON  $\square$  CONST. RAMP XX UNLESS OTHERWISE NOTED.
2. SR 500 AND SR 46 ARE SHOWN FOR REFERENCE ONLY.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

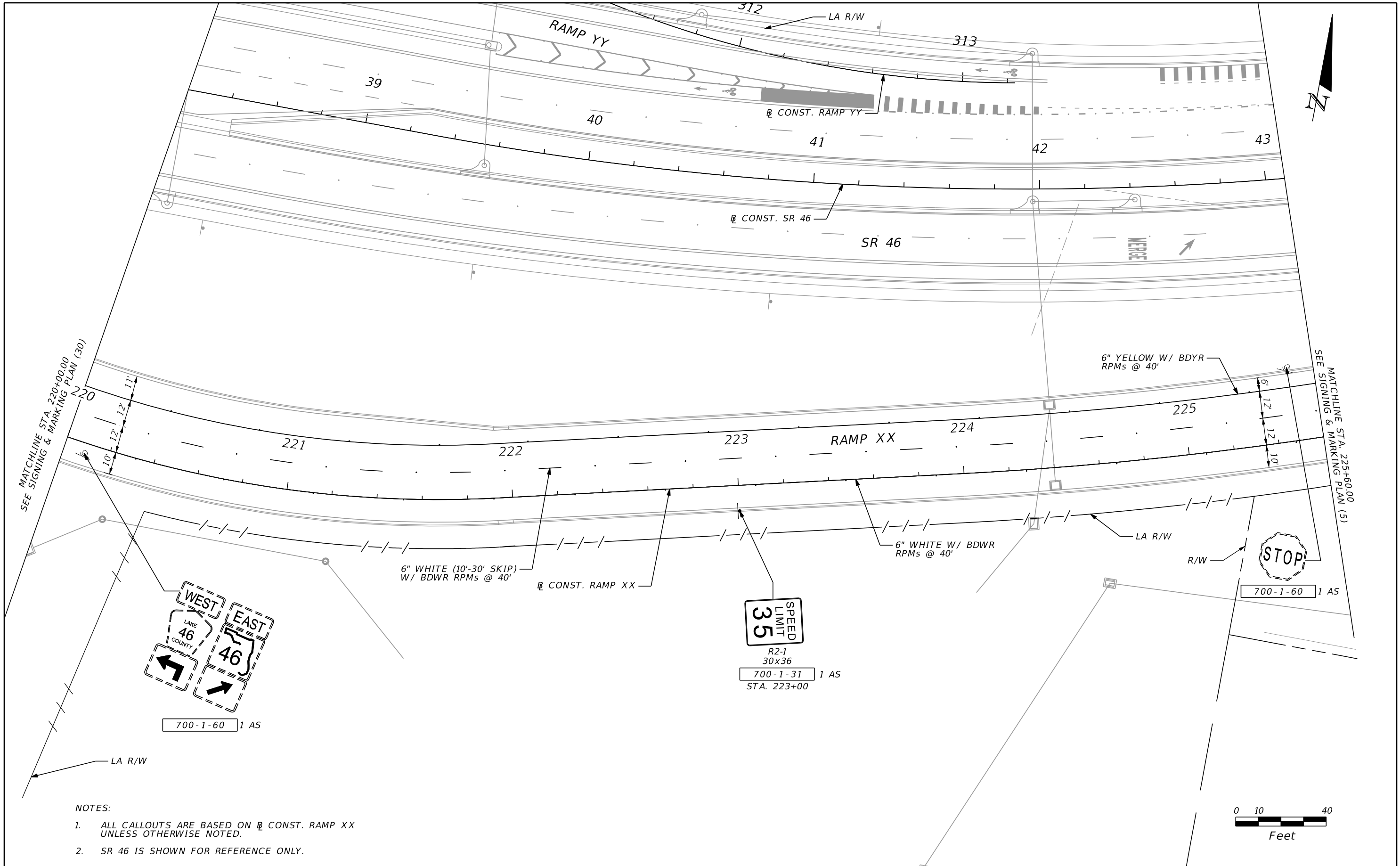
SCOTT G. HORLANDER, P.E.  
P.E. NO. 46624  
PROTEAN DESIGN GROUP  
100 EAST PINE STREET, SUITE 600  
ORLANDO FLORIDA 32801  
CERTIFICATE OF AUTHORIZATION NUMBER 7865

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 46	LAKE	238275-2-52-01

**SIGNING & MARKING  
PLAN (30)**

SHEET NO.  
S-43

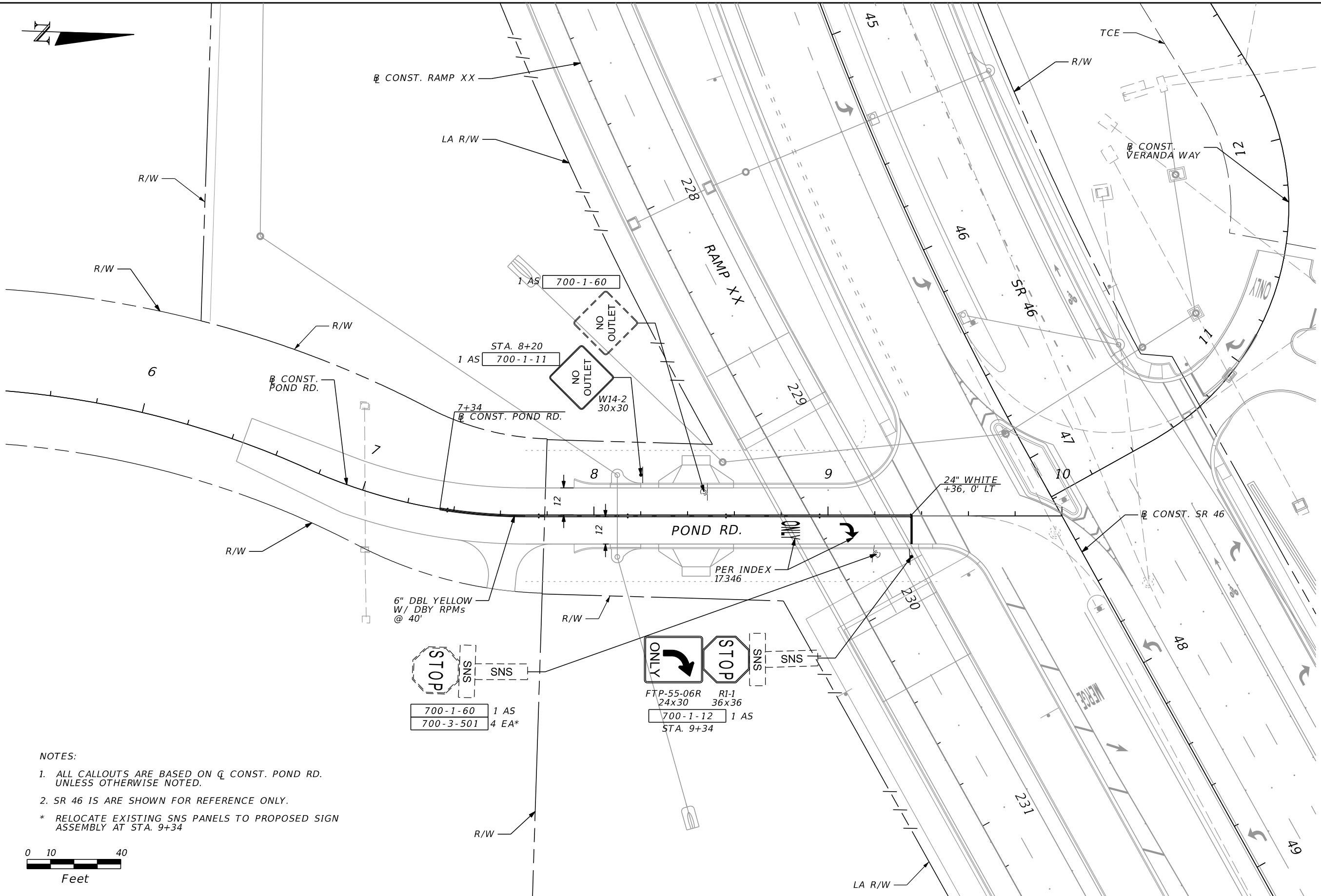
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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

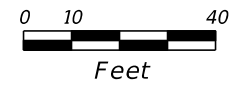
REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; MARKING          PLAN (31)</b>	SHEET NO.  S-44
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 46	LAKE	238275-2-52-01		





**NOTES:**

- 1. ALL CALLOUTS ARE BASED ON Q CONST. POND RD. UNLESS OTHERWISE NOTED.
- 2. SR 46 IS ARE SHOWN FOR REFERENCE ONLY.
- \* RELOCATE EXISTING SNS PANELS TO PROPOSED SIGN ASSEMBLY AT STA. 9+34

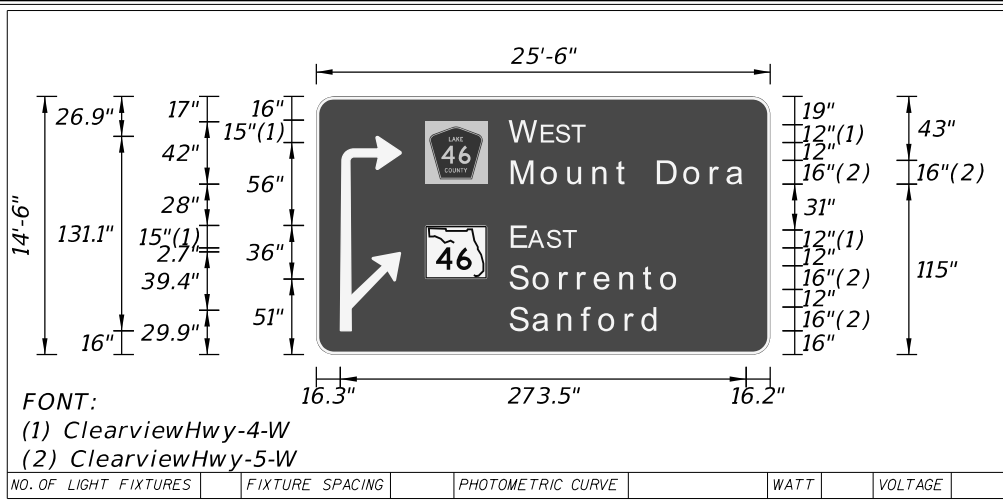


REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SIGNING &amp; MARKING PLAN (32)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-45
					SR 46	LAKE	238275-2-52-01		

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

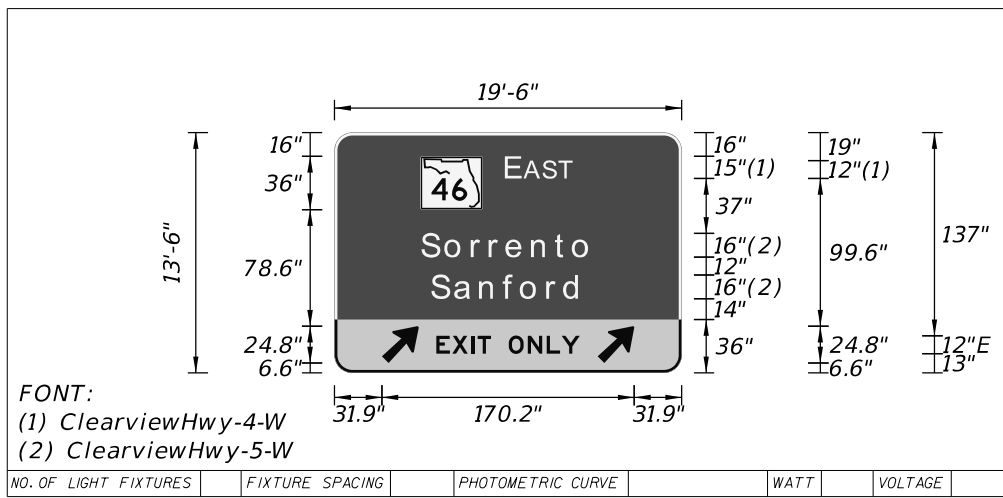


SIGN NAME	GM-4	QTY	2	SIGN NUMBER	STATION(S)
PANEL	BORDER	1		468+82 LT.	
WIDTH	25'-6"	WIDTH	2"	2	477+82 LT.
HEIGHT	14'-6"	RADII	12"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
FTP-1B-06	0	73.2	115	42	42
FTP-17-06	0	73.2	51	42	36
AR_Type A-Ext.	3/5	17.8	29.9	22.5	51.7
RT Extended	0	16.3	16	40.9	131.1
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH
1	3	22'	1/10X10.286	W 8X24	20.5'
2	3	12'	1/10X10.286	W 8X24	20.5'



COPY	W	E	S	T	L
SPACE	131.2	18.5	2.5	9.9	10.7
COPY	M	o	u	n	t
SPACE	132.6	20.3	17.8	17	15.6
COPY	E	A	S	T	L
SPACE	132.1	8.8	2.5	12.6	10.7
COPY	S	o	r	r	e
SPACE	131.4	16.1	17.8	12	11.4
COPY	S	a	n	f	o
SPACE	131.4	15.7	17	15.9	11.7
COPY					
SPACE					

SIGN NAME	OHC-1	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER	1		460+00 LT	
WIDTH	19'-6"	WIDTH	2"		
HEIGHT	13'-6"	RADII	12"		
LEGEND	Bk/Wht	COLOR	Wht/Bk		
COLOR	Green/Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT
F2B_2C	0	57.9	110	42	36
AR_Type A	3/5	31.9	6.6	20	31.5
AR_Type A	3/5	177.3	6.6	20	31.5
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH

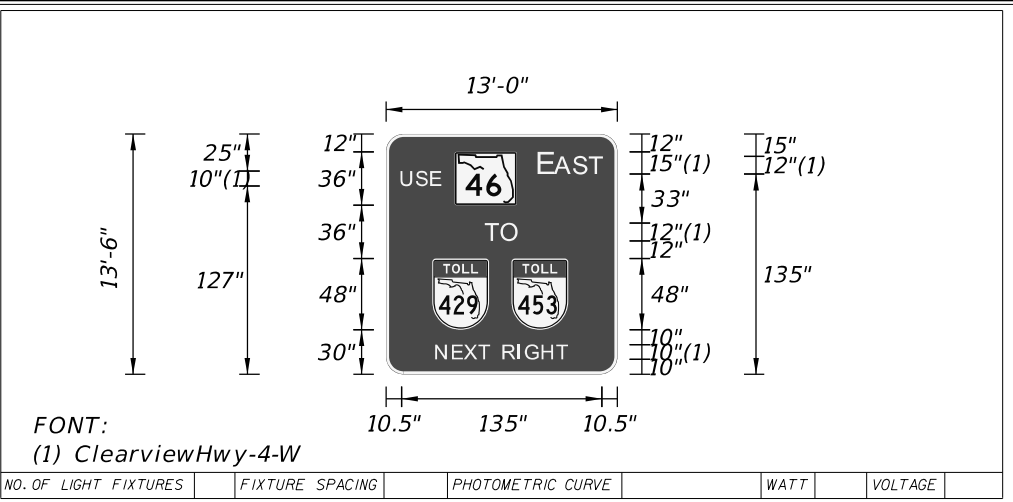


COPY	E	A	S	T	L
SPACE	115.9	8.8	3.5	12.6	10.7
COPY	S	o	r	r	e
SPACE	59.6	16.1	17.8	12	11.4
COPY	S	a	n	f	o
SPACE	66.2	15.7	17	15.9	11.7
COPY	E	X	I	T	L
SPACE	68.7	10.7	12.8	4.2	9
COPY					
SPACE					

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

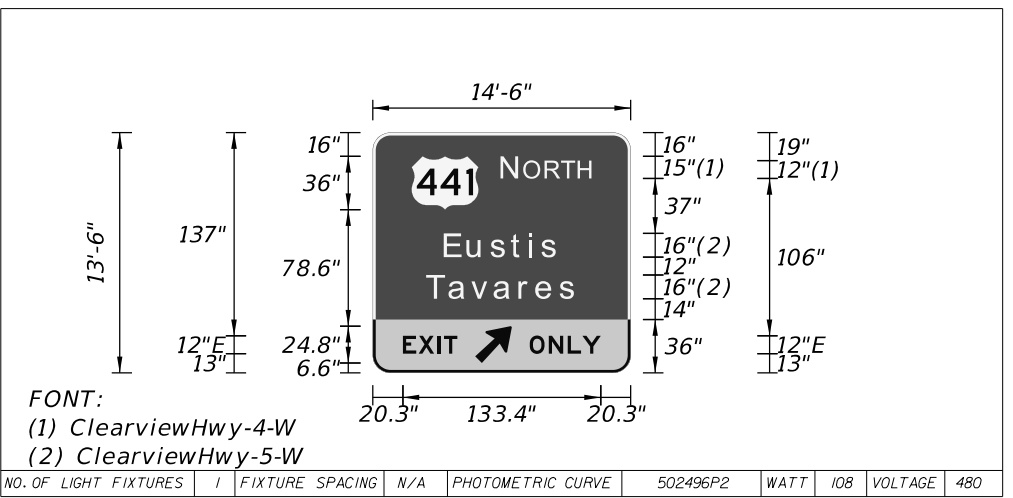
SCOTT G. HORLANDER, P.E.  
 P.E. NO. 46624  
 PROTEAN DESIGN GROUP  
 100 EAST PINE STREET, SUITE 600  
 ORLANDO FLORIDA 32801  
 CERTIFICATE OF AUTHORIZATION NUMBER 7865

SIGN NAME	GM-5	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER	1		473+20 LT.	
WIDTH	13'-0"	WIDTH	2"		
HEIGHT	13'-6"	RADII	12"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
F2B_2C	0	46.2	114	42	36
102A_3	0	31.1	30	38.4	48
102A_3	0	84.5	30	38.4	48
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH
1	2	22'	1/9X8.361	W 8X18	19.6'



COPY	D	I	M	E	N
SPACE	-992.6	291.3	171.6	292.8	270.3
COPY <th>E</th> <th>A</th> <th>S</th> <th>T</th> <th>L</th>	E	A	S	T	L
SPACE	103.3	8.8	2	12.6	10.7
COPY <th>U</th> <th>S</th> <th>E</th> <th>L</th>	U	S	E	L	
SPACE	10.5	10.2	9.8	5.9	
COPY <th>T</th> <th>O</th> <th>L</th>	T	O	L		
SPACE	67.3	10.8	10.5	67.4	
COPY <th>N</th> <th>E</th> <th>X</th> <th>T</th>	N	E	X	T	
SPACE	33.8	11.3	8	9.7	
COPY					
SPACE					

SIGN NAME	OHC-2	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER	1		43+60 LT	
WIDTH	14'-6"	WIDTH	2"		
HEIGHT	13'-6"	RADII	12"		
LEGEND	Bk/Wht	COLOR	Wht/Bk		
COLOR	Green/Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT
ML_4	0	26.3	110	45	36
AR_Type A	3/5	69	6.6	20	31.5
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH



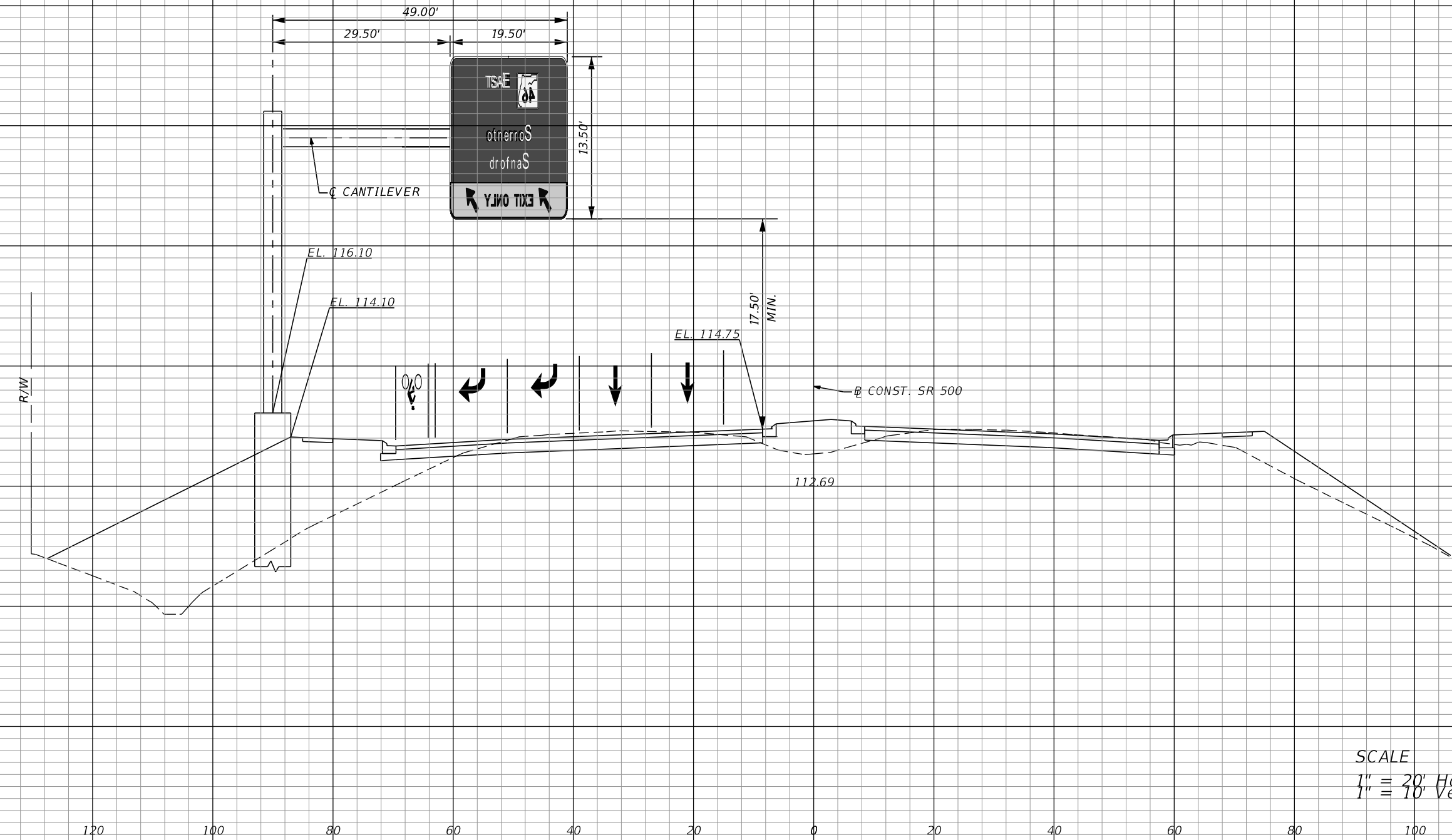
COPY	N	O	R	T	H
SPACE	87.3	11.5	3.5	14.3	11
COPY <th>E</th> <th>u</th> <th>s</th> <th>t</th> <th>i</th>	E	u	s	t	i
SPACE	57.4	15.5	15.7	13.8	12.4
COPY <th>T</th> <th>a</th> <th>v</th> <th>a</th> <th>r</th>	T	a	v	a	r
SPACE	47.5	15.2	15.1	15.4	17
COPY <th>E</th> <th>X</th> <th>I</th> <th>T</th> <th>L</th>	E	X	I	T	L
SPACE	20.3	10.7	12.8	4.2	9
COPY <th>O</th> <th>N</th> <th>L</th> <th>Y</th> <th>L</th>	O	N	L	Y	L
SPACE	105.8	12.8	12.8	10	12.2
COPY					
SPACE					

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-47
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 46	LAKE	238275-2-52-01	

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



138  
136  
134  
132  
130  
128  
126  
124  
122  
120  
118  
116  
114  
112  
110  
108  
106  
104  
102  
100  
98  
96  
94  
92  
90



OHC-1  
460+00.00

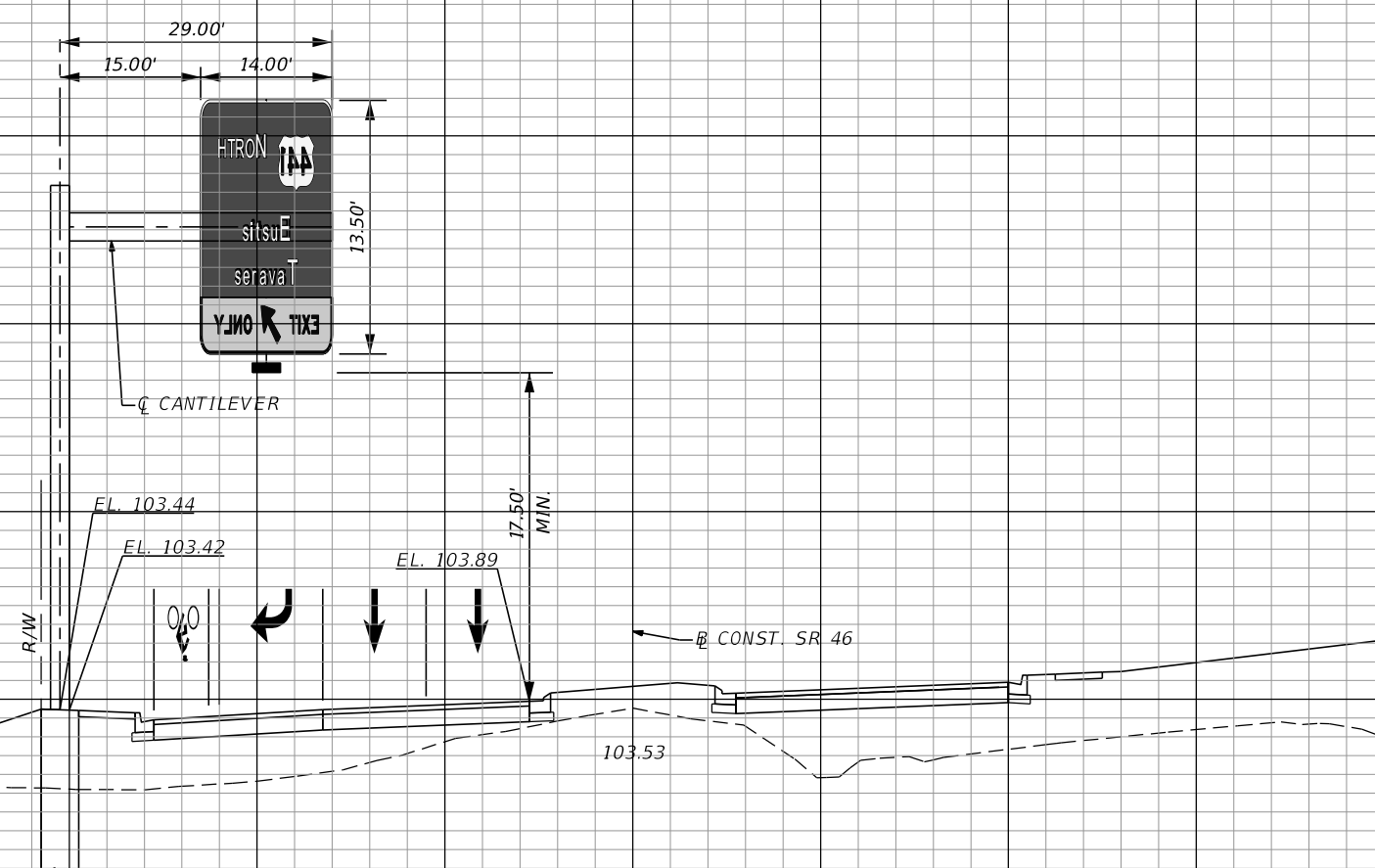
SCALE  
1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100

REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGN STRUCTURE CROSS SECTION (1)	SHEET NO.  S-49
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 46	LAKE	238275-2-52-01		

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

142  
140  
138  
136  
134  
132  
130  
128  
126  
124  
122  
120  
118  
116  
114  
112  
110  
108  
106  
104  
102  
100  
98  
96  
94



OHC-2  
43+60.00

SCALE  
1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100

REVISIONS				SCOTT G. HORLANDER, P.E. P.E. NO. 46624 PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGN STRUCTURE CROSS SECTION (2)	SHEET NO.  S-50
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 46	LAKE	238275-2-52-01		

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

CANTILEVER SIGN STRUCTURES DATA TABLE										Table Date 07-01-14
SIGN NO.	STATION	DIMENSIONS			PANELS	MEMBER SIZES			BACKRAKE	
		A	B	C	N	D (CHORD)	E (WEB)	F (UPRIGHT)	G	
		ft	ft	in	in	O. D. x Wall Thk. (in)	Angle (in)	O. D. x Wall Thk. (in)	in	
OHC-1	460+00 / 90' LT	23.00	8	2	84	5.563 X 0.375	3-1/2 X 3-1/2 X 5/16	30 X 0.625	1.553	
OHC-2	43+60 / 61' LT	26.00	7	3	60	4.00 X 0.226	2-1/2 X 2-1/2 X 1/4	24 X 0.562	0.916	

NOTES [Notes Date 7-01-13]:  
 1. Work these Data Tables with Index 11310.  
 2. Design Wind Speed = 130 mph.  
 3. Upright wall thickness given is a minimum dimension.

FOUNDATION NOTES [Notes Date 7-01-12]:  
 1. Design based on Borings taken sealed by -----.  
 2. Assumptions and Values used in design:

OHC-1  
 Soil Type SAND  
 Soil Layer Thickness = 30 ft.  
 Soil Friction Angle = 29.5 deg.  
 Soil Weight = 108.7 pcf  
 Design Water Table is 0 ft. below surface

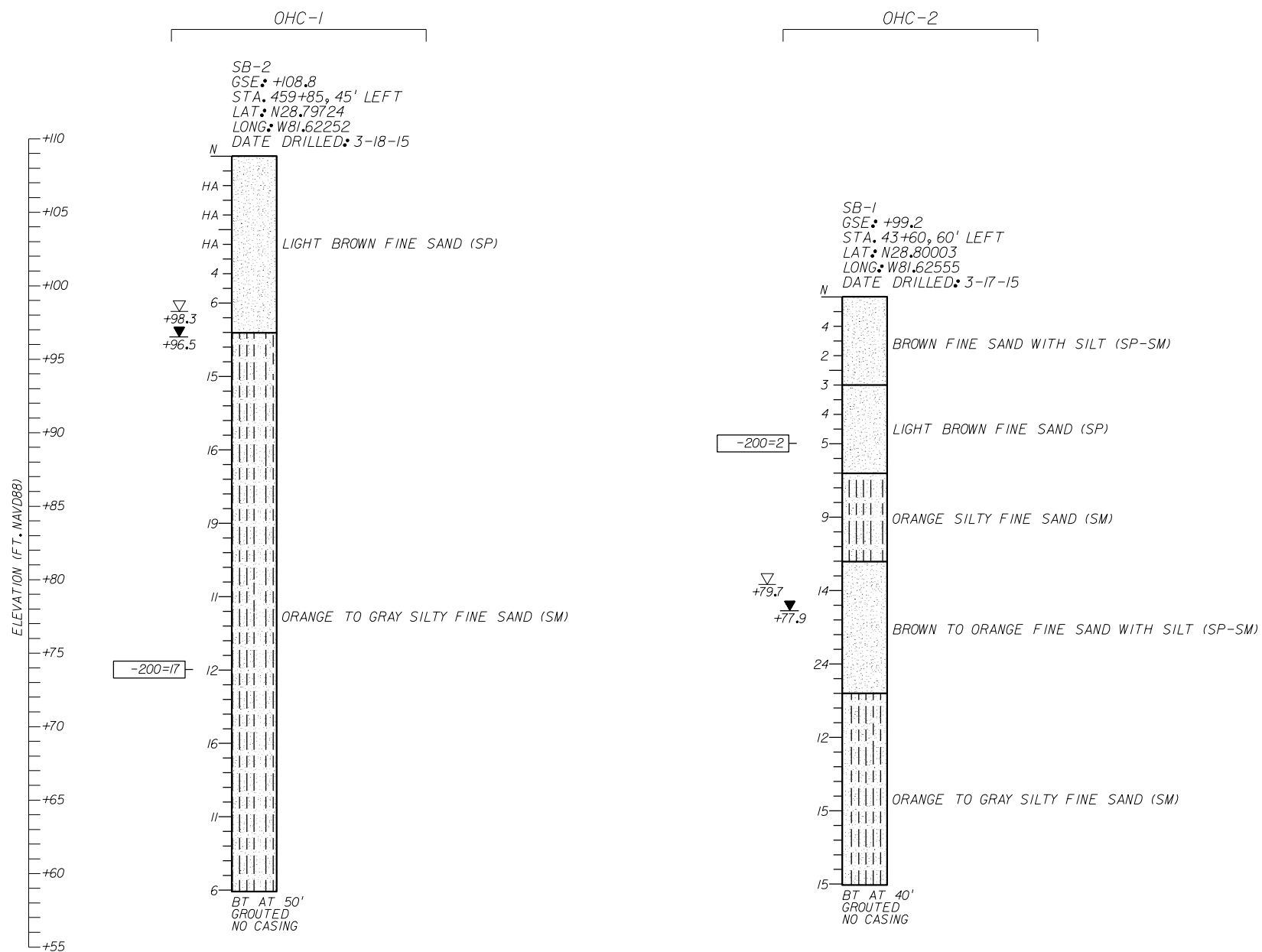
OHC-2  
 Soil Type SAND  
 Soil Layer Thickness = 27 ft.  
 Soil Friction Angle = 29.3 deg.  
 Soil Weight = 108.2 pcf  
 Design Water Table is 0 ft. below surface

CANTILEVER SIGN STRUCTURES DATA TABLE (CONT.)																								Table Date 01-01-11						
SIGN NO.	GUSSET PLATES												TRUSS CONNECTION								SPLICE									
	GA	GB	GC	GD	GE	GF	GG	GH	GJ	GK	TA	TB	TC	TD	TE	TF	TG	TH	TJ	SA	SB	SC	SD							
	in	in	ft	in	ft	in	ft	in	ft	in	in	#	#	in	in	in	in	in	in	Angle (in)	#	in	#							
OHC-1	3/8	5/8	1	0-3/4	0	5-1/2	1	0-3/4	0	5	0	8-1/2	0	7-1/2	0	7-3/4	3/16	7/8	8	6	3/4	1/2	5/16	1/4	3/16	5/16	5 X 5 X 1/2	6	7/8	3
OHC-2	3/8	5/8	1	0-1/2	0	5-1/4	1	0	0	5	0	11-1/2	0	6-1/2	0	7-3/4	3/16	7/8	4	4	1/2	1/2	1/4	1/4	3/16	3/16	N/A	N/A	N/A	N/A

CANTILEVER SIGN STRUCTURES DATA TABLE (CONT.)																		Table Date 01-01-11				
SIGN NO.	BASE CONNECTION										ANCHOR		FOOTING - DRILLED SHAFT									
	BA	BB	BC	BD	BE	BF	BG	BH	BJ	BK	FA	FB	FC	FD	FE	ft	in	ft	in	# / Size	#	in
	in	#	in	in	ft	in	in	in	in	in	ft	in	ft	in	# / Size	#	in					
OHC-1	2	12	1-1/4	3/8	2	3	5/16	5/16	5/16	3/16	3	4	30	0	6	0	20 / #11	34	8.0			
OHC-2	1-3/4	10	1-1/4	3/8	1	11-1/2	5/16	5/16	5/16	3/16	6	3	27	0	4	0	6 / #11	40	6.0			

<b>REVISIONS</b> DATE BY DESCRIPTION DATE BY DESCRIPTION						MOFFATT & NICHOL 1025 GREENWOOD BLVD, STE 371 LAKE MARY, FL 32746 PHONE (407) 562-2030 CERT. OF AUTH. NO. 4877			DRAWN BY: CSG CHECKED BY: GAP DESIGNED BY: JDG CHECKED BY: GWS			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID SR 46 LAKE 238275-2-52-01			SHEET TITLE: CANTILEVER SIGN STRUCTURE DATA TABLE PROJECT NAME: WEKIVA PARKWAY US 441 FLYOVER RAMP XX MSE WALLS			REF. DWG. NO.  SHEET NO. S-51
---	--	--	--	--	--	--	--	--	---	--	--	---	--	--	--	--	--	--

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



**LEGEND**

- ▽ +79.7 ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▼ +77.9 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) 24 HRS. AFTER DRILLING BORING
- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- (SP) UNIFIED SOIL CLASSIFICATION SYMBOL
- BT BORING TERMINATED AT SPECIFIED DEPTH (FEET) INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE (FM 1-T 088)

**SOILS LEGEND**

- SAND
- SAND AND SILT

**GENERAL NOTES**

STANDARD PENETRATION TEST BORINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-1586. STANDARD PENETRATION RESISTANCES ARE SHOWN ON THE BORINGS AT THE TEST DEPTHS IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

SUBSURFACE CONDITIONS SHOWN ON THE BORINGS REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING LOCATIONS. ACTUAL CONDITIONS BETWEEN BORINGS MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING SHOWN.

THE BORING LOCATIONS WERE NOT SURVEYED. BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING A SUB-METER ACCURACY GPS UNIT (TRIMBLE 7X) FOR HORIZONTAL AND VERTICAL CONTROL. GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING LOCATION (SB-1) REFERENCES SR 46 CENTERLINE. BORING LOCATION (SB-2) REFERENCES US 44 CENTERLINE.

BASED ON REVIEW OF THE U.S. GEOLOGICAL SURVEY MAP ENTITLED "POTENTIOMETRIC SURFACE OF THE UPPER FLORIDAN AQUIFER IN ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND VICINITY, FLORIDA, SEPTEMBER 2008" FOR THE PROJECT AREA, THE MAXIMUM ELEVATION OF THE ARTESIAN HEAD IS ESTIMATED TO BE +55 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +55 FT. NAVD88.

SPLIT SPOON SAMPLER: AVERAGE HAMMER DROP: 30 IN.  
 INSIDE DIAMETER: 1.375 IN. HAMMER WEIGHT: 140 LBS.  
 OUTSIDE DIAMETER: 2.0 IN. HAMMER TYPE: AUTOMATIC

**CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL**

GRANULAR SOILS	N VALUE (blows per foot)	RELATIVE DENSITY
SANDS	0-3	VERY LOOSE
	3-8	LOOSE
	8-24	MEDIUM DENSE
	24-40	DENSE
	OVER 40	VERY DENSE
NON-GRANULAR SOILS	N VALUE (blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
	1-3	SOFT
	3-6	FIRM
	6-12	STIFF
	12-24	VERY STIFF
	OVER 24	HARD

**FIGURE 29**

REVISIONS				<b>GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. (GEC)</b> 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 <b>CRAIG G. BALLOCK P.E. 71571</b>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>REPORT OF SPT BORING RESULTS          FOR CANTILEVER SIGN STRUCTURES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 46	LAKE		238275-2-52-02

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