

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

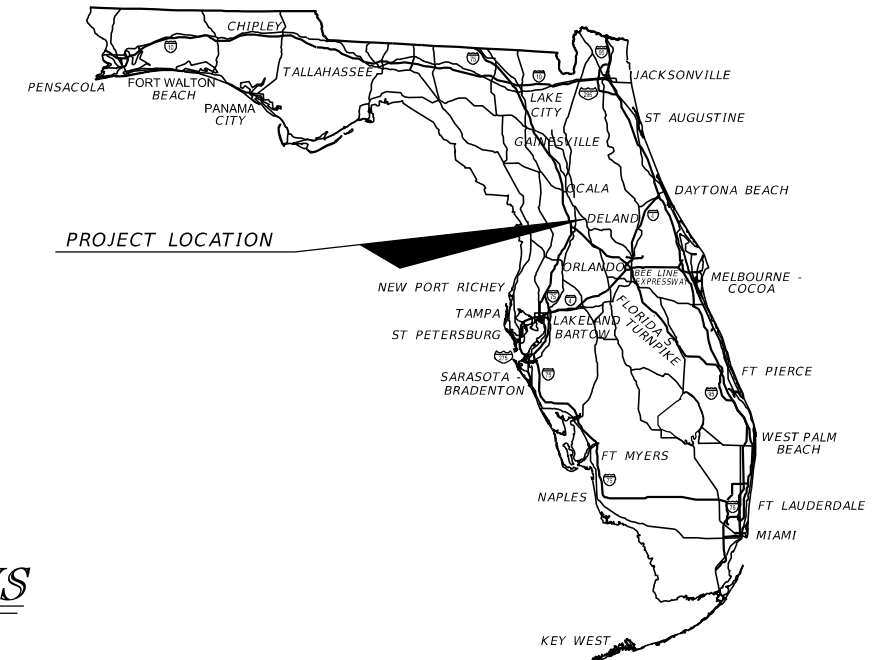
CONTRACT PLANS

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:

PROTEAN DESIGN GROUP
SCOTT G. HORLANDER, P.E. NO. 46624
100 EAST PINE STREET, SUITE 600
ORLANDO FLORIDA 32801
www.PROTEANDG.com

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. 9886
CERTIFICATE OF AUTHORIZATION NO. 7865

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

PHASE IV SUBMITTAL
7/2/15

KEY SHEET REVISIONS	
DATE	DESCRIPTION

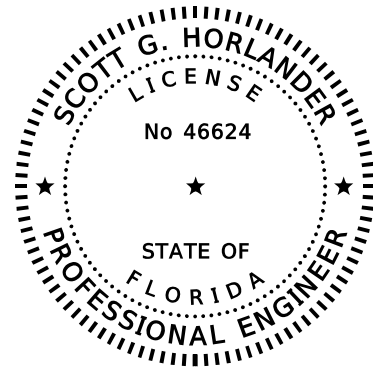
SIGNING AND PAVEMENT MARKING PLANS
ENGINEER OF RECORD: SCOTT G. HORLANDER, P.E.

P.E. NO.: 46624

FISCAL YEAR	SHEET NO.
17	S-1

FDOT PROJECT MANAGER: ASHRAF ELMAGHRABY

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

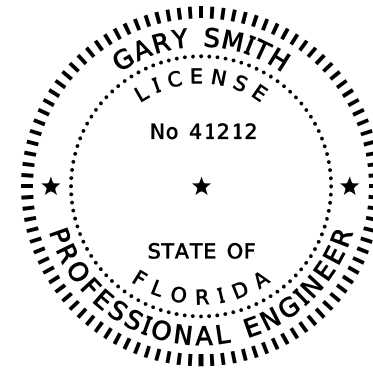


PROTEAN DESIGN GROUP
 SCOTT G. HORLANDER, P.E. NO. 46624
 100 EAST PINE STREET, SUITE 600
 ORLANDO FLORIDA 32801
 PHONE (407) 246-0044
 CERTIFICATE OF AUTHORIZATION NUMBER 7865

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.003, F.A.C.

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	DESCRIPTION
S-1	KEY SHEET
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S-14 - S-45	SIGNING AND MARKING PLAN
S-46 - S-48	GUIDE SIGN WORKSHEET
S-49 - S-50	SIGN STRUCTURE CROSS SECTION

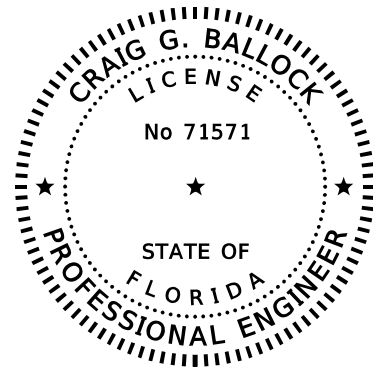


MOFFATT & NICHOL
 GARY SMITH, P.E. NO. 41212
 1025 GREENWOOD BLVD., STE 371
 LAKE MARY, FLORIDA 32746
 PHONE (407) 562-2030
 CERTIFICATE OF AUTHORIZATION NUMBER 4877

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.003, F.A.C.

SIGNING AND PAVEMENT MARKING PLANS

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



GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. (GEC)
 CRAIG G. BALLOCK, P.E. NO. 71571
 919 LAKE BALDWIN LANE
 ORLANDO, FLORIDA 32814
 PHONE (407) 898-1818
 CERTIFICATE OF AUTHORIZATION NUMBER 5882

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.003, 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				PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-2
					46	LAKE	238275-2-52-01		

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL	
			S-11		S-12		S-13		S-14		S-15		S-16		S-17		S-18		S-19		S-20		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
700-1-11	SINGLE POST SIGN, F&I, GRD. MOUNT, UP TO 12 SF	AS	3		1		1		2		7		5		4		4		2		2		31			
700-1-12	SINGLE POST SIGN, F&I, GRD. MOUNT, 12-20 SF	AS	3		1		2												1				7			
700-1-13	SINGLE POST SIGN, F&I, GRD. MOUNT, 21-30 SF	AS	3		3		1										1						8			
700-1-31	SINGLE POST SIGN, F&I, BRIDGE MOUNT, UP TO 12 SF	AS																								
700-1-50	SINGLE POST SIGN, RELOCATE	AS						3		2						2							7			
700-1-60	SINGLE POST SIGN, REMOVE	AS								9		7		7		3		3		1			30			
700-2-13	MULTI-POST SIGN, F&I, GROUND MOUNT, 21-30 SF	AS	1		1																		2			
700-2-15	MULTI-POST SIGN, F&I, GROUND MOUNT, 51-100 SF	AS			1																		1			
700-2-16	MULTI-POST SIGN, F&I, GROUND MOUNT, 101-200 SF	AS					1																1			
700-2-18	MULTI-POST SIGN, F&I, GROUND MOUNT, 301-400 SF	AS					2																2			
700-2-50	MULTI-POST SIGN, F&I GROUND MOUNT, RELOCATE	AS																								
700-2-60	MULTI-POST SIGN, F&I GROUND MOUNT, REMOVE	AS																								
700-3-101	SIGN PANEL, F&I, GRD. MOUNT, UP TO 12 SF	EA														1							1			
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201-300 SF	EA					1																1			
700-3-226	SIGN PANEL, F&I, OVERHEAD MOUNT, 101-200 SF WITH LIGHTING	EA	1																				1			
700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA																								
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA								1													1			
700-4-112	OH STATIC SIGN STR., F&I, CANTILEVER, 21-30 FT	AS	1																				1			
700-4-114	OH STATIC SIGN STR., F&I, CANTILEVER, 41-50 FT	AS					1																1			
705-10-1	OBJECT MARKER, TYPE 1	EA																								
705-10-4	OBJECT MARKER, TYPE 4	EA								3													3			
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA														4				2			6			
710-90	PAINTED PAVT. MARKINGS, FINAL SURFACE	LS																								
*	RETRO REFLECTIVE PAVEMENT MARKERS																									
*	BI-DIRECTIONAL WHITE RED	EA								19		59		47		104		102		105			436			
*	BI-DIRECTIONAL YELLOW	EA							36		12					2							50			
*	BI-DIRECTIONAL YELLOW RED	EA														12		14		7						
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 6"	GM						0.089		0.256		0.430		0.414		0.357		0.406		0.348			2.300			
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 8"	GM												0.064		0.040		0.106		0.174			0.384			
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 12"	LF					91			109		425				178							804			
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 18"	LF												70		45		291		198			604			
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 24"	LF					12			28		107				31							179			
*	PAINTED PAVT. MKGS., STD., WHITE, SKIP, 10'-30', 6"	GM								0.007		0.056		0.153		0.209		0.318		0.318			1.062			
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 3'-9', 12"	GM												0.018		0.084							0.102			
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 6'-10', 6"	GM								0.016				0.016		0.016		0.032					0.080			
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 2'-4', 6"	GM								0.041		0.058		0.018		0.121		0.048					0.287			
*	PAINTED PAVT. MKGS., STD., WHITE, MESSAGE	EA												1		2		1					4			
*	PAINTED PAVT. MKGS., STD., WHITE, ARROWS	EA								5		8				4		8		2			27			
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 6"	GM						0.156		0.226		0.146		0.177		0.262		0.319		0.241			1.525			
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 8"	GM																								
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 18"	LF					23			15													38			
*	PAINTED PAVT. MKGS., STD., YELLOW, 6'-10' GAP, 6"	GM						0.013		0.035													0.049			
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF											385										385			
711-14-160	THERMOPLASTIC, PREFORMED, MESSAGE	EA								2		3		2		2		2					11			
711-14-170	THERMOPLASTIC, PREFORMED, ARROWS	EA								2		3		2		3		1					11			
711-17	THERMOPLASTIC, REMOVE EXIST. THERMOPLASTIC PAVT. MKGS.	SF																								
713-103-101	PERMANENT TAPE, WHITE, SOLID, FOR CONC. BRIDGES, 6"	GM														0.019							0.019			
713-103-131	PERMANENT TAPE, WHITE, SKIP, FOR CONC. SURFACES, 10'-30', 6"	GM														0.019							0.019			
713-103-201	PERMANENT TAPE, YELLOW, SOLID, FOR CONC. BRIDGES, 6"	GM														0.019							0.019			

PAY ITEM NOTES:

705-11-1: SHALL INCLUDE THE REMOVAL OF ALL DELINEATORS WITHIN THE PROJECT LIMITS.

700-3-501: PAY ITEM NUMBER 700-3-501 IS TO INCLUDE RELOCATING THE STREET NAME SIGNS TO THE PROPOSED STOP SIGN ASSEMBLY USING A POST TOP SLIP FITTER. ALL ADDITIONAL COSTS FOR MOUNTING THE STREET NAME SIGNS, INCLUDING RE-DRILLING OF THE SIGNS, SHALL BE INCLUDED IN THE PAY ITEM.

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

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					46	LAKE	238275-2-52-01	

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																		TOTAL THIS SHEET		GRAND TOTAL			
			S-21		S-22		S-23		S-24		S-25		S-26		S-27		S-28		S-29		S-30		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
700-1-11	SINGLE POST SIGN, F&I, GRD. MOUNT, UP TO 12 SF	AS	2		1		1							1		3				1		9				
700-1-12	SINGLE POST SIGN, F&I, GRD. MOUNT, 12-20 SF	AS					1			3				1						1		6				
700-1-13	SINGLE POST SIGN, F&I, GRD. MOUNT, 21-30 SF	AS																								
700-1-31	SINGLE POST SIGN, F&I, BRIDGE MOUNT, UP TO 12 SF	AS																								
700-1-50	SINGLE POST SIGN, RELOCATE	AS				1									1			5				7				
700-1-60	SINGLE POST SIGN, REMOVE	AS	1		1		4		1		3		1		1					3		16				
700-2-13	MULTI-POST SIGN, F&I, GROUND MOUNT, 21-30 SF	AS																								
700-2-15	MULTI-POST SIGN, F&I, GROUND MOUNT, 51-100 SF	AS																								
700-2-16	MULTI-POST SIGN, F&I, GROUND MOUNT, 101-200 SF	AS																								
700-2-18	MULTI-POST SIGN, F&I, GROUND MOUNT, 301-400 SF	AS																								
700-2-50	MULTI-POST SIGN, F&I GROUND MOUNT, RELOCATE	AS																								
700-2-60	MULTI-POST SIGN, F&I GROUND MOUNT, REMOVE	AS																								
700-3-101	SIGN PANEL, F&I, GRD. MOUNT, UP TO 12 SF	EA																								
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201-300 SF	EA																								
700-3-226	SIGN PANEL, F&I, OVERHEAD MOUNT, 101-200 SF WITH LIGHTING	EA																								
700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA												3								3				
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA																								
700-4-112	OH STATIC SIGN STR., F&I, CANTILEVER, 21-30 FT	AS																								
700-4-114	OH STATIC SIGN STR., F&I, CANTILEVER, 41-50 FT	AS																								
705-10-1	OBJECT MARKER, TYPE 1	EA				3																3				
705-10-4	OBJECT MARKER, TYPE 4	EA																								
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA				2				2						1		4		1		10				
710-90	PAINTED PAVT. MARKINGS, FINAL SURFACE	LS																								
*	RETRO REFLECTIVE PAVEMENT MARKERS																									
*	BI-DIRECTIONAL WHITE RED	EA	79		56		67		63		72		56		12		23		89		46		563			
*	BI-DIRECTIONAL YELLOW	EA					4							6		5		4		6		25				
*	BI-DIRECTIONAL YELLOW RED	EA																								
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 6"	GM	0.376		0.424		0.405		0.371		0.404		0.348		0.078		0.129		0.374		0.227		3.137			
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 8"	GM	0.096								0.007							0.027				0.131				
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 12"	LF					127				172		50		97							444				
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 18"	LF									6							31				37				
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 24"	LF					22				36				25			17			41	142				
*	PAINTED PAVT. MKGS., STD., WHITE, SKIP, 10'-30', 6"	GM	0.376		0.424		0.424		0.424		0.424		0.424		0.106		0.089		0.212		0.212		3.116			
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 3'-9', 12"	GM																								
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 6'-10', 6"	GM					0.016		0.016		0.016						0.006		0.057		0.080		0.192			
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 2'-4', 6"	GM					0.003		0.081		0.030		0.057				0.013		0.112		0.020		0.315			
*	PAINTED PAVT. MKGS., STD., WHITE, MESSAGE	EA																								
*	PAINTED PAVT. MKGS., STD., WHITE, ARROWS	EA					2		2		4						4		9		6		27			
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 6"	GM	0.212		0.212		0.191		0.212		0.195		0.212		0.088		0.051		0.218		0.204		1.795			
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 8"	GM															0.007		0.003				0.010			
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 18"	LF															49		9				58			
*	PAINTED PAVT. MKGS., STD., YELLOW, 6'-10' GAP, 6"	GM					0.045										0.032				0.046		0.123			
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF																								
711-14-160	THERMOPLASTIC, PREFORMED, MESSAGE	EA	2				2				1		1		1		1		3		1		12			
711-14-170	THERMOPLASTIC, PREFORMED, ARROWS	EA	2				2				1		1		1		1		2		2		12			
711-17	THERMOPLASTIC, REMOVE EXIST. THERMOPLASTIC PAVT. MKGS.	SF																								
713-103-101	PERMANENT TAPE, WHITE, SOLID, FOR CONC. BRIDGES, 6"	GM																								
713-103-131	PERMANENT TAPE, WHITE, SKIP, FOR CONC. SURFACES, 10'-30', 6"	GM																								
713-103-201	PERMANENT TAPE, YELLOW, SOLID, FOR CONC. BRIDGES, 6"	GM																								

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

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					46	LAKE	238275-2-52-01	

TABULATION OF QUANTITIES

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																		TOTAL THIS SHEET		GRAND TOTAL			
			S-31		S-32		S-33		S-34		S-35		S-36		S-37		S-38		S-39		S-40		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
700-1-11	SINGLE POST SIGN, F&I, GRD. MOUNT, UP TO 12 SF	AS	2		1				2		8		5		2		2		3		3		28			
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																								
700-1-31	SINGLE POST SIGN, F&I, BRIDGE MOUNT, UP TO 12 SF	AS																								
700-1-50	SINGLE POST SIGN, RELOCATE	AS				1													1				2			
700-1-60	SINGLE POST SIGN, REMOVE	AS	1			4		2		1		4		4		2		2				20				
700-2-13	MULTI-POST SIGN, F&I, GROUND MOUNT, 21-30 SF	AS																								
700-2-15	MULTI-POST SIGN, F&I, GROUND MOUNT, 51-100 SF	AS																								
700-2-16	MULTI-POST SIGN, F&I, GROUND MOUNT, 101-200 SF	AS																								
700-2-18	MULTI-POST SIGN, F&I, GROUND MOUNT, 301-400 SF	AS																								
700-2-50	MULTI-POST SIGN, F&I GROUND MOUNT, RELOCATE	AS														1						1				
700-2-60	MULTI-POST SIGN, F&I GROUND MOUNT, REMOVE	AS						1														1				
700-3-101	SIGN PANEL, F&I, GRD. MOUNT, UP TP 12 SF	EA																								
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201-300 SF	EA																								
700-3-226	SIGN PANEL, F&I, OVERHEAD MOUNT, 101-200 SF WITH LIGHTING	EA																								
700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA	2																				2			
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA																								
700-4-112	OH STATIC SIGN STR., F&I, CANTILEVER, 21-30 FT	AS																								
700-4-114	OH STATIC SIGN STR., F&I, CANTILEVER, 41-50 FT	AS																								
705-10-1	OBJECT MARKER, TYPE 1	EA																								
705-10-4	OBJECT MARKER, TYPE 4	EA		2																			2			
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA	1	2						2								2		1			8			
710-90	PAINTED PAVT. MARKINGS, FINAL SURFACE	LS																								
*	RETRO REFLECTIVE PAVEMENT MARKERS																									
*	BI-DIRECTIONAL WHITE RED	EA	68	35	63	48	94	81	90	123	105	109	816													
*	BI-DIRECTIONAL YELLOW	EA		1	3		20	14				10	48													
*	BI-DIRECTIONAL YELLOW RED	EA							11				11													
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 6"	GM	0.367	0.193	0.398	0.391	0.449	0.751	0.443	0.433	0.459	0.463	4.347													
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 8"	GM		0.030	0.083			0.086	0.132	0.235	0.059		0.626													
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 12"	LF		139			472				88		699													
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 18"	LF		50	59					302	278	25	714													
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 24"	LF		27			114				17		158													
*	PAINTED PAVT. MKGS., STD., WHITE, SKIP, 10'-30', 6"	GM	0.212	0.212	0.292	0.302	0.142	0.305	0.400	0.318	0.318	0.318	2.819													
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 3'-9', 12"	GM				0.019	0.022				0.058	0.106	0.205													
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 6'-10', 6"	GM	0.051		0.020	0.019	0.001	0.020			0.020	0.020	0.151													
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 2'-4', 6"	GM	0.047	0.020		0.023	0.022	0.105		0.059		0.275														
*	PAINTED PAVT. MKGS., STD., WHITE, MESSAGE	EA			1		4				1		6													
*	PAINTED PAVT. MKGS., STD., WHITE, ARROWS	EA	8	1	5	1	8	6		1	7	4	41													
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 6"	GM	0.177	0.110	0.186	0.212	0.186	0.338	0.299	0.212	0.267	0.205	2.193													
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 8"	GM		0.007	0.027								0.033													
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 18"	LF		14	50			90					154													
*	PAINTED PAVT. MKGS., STD., YELLOW, 6'-10' GAP, 6"	GM	0.035	0.095									0.130													
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF						418					418													
711-14-160	THERMOPLASTIC, PREFORMED, MESSAGE	EA	3	1		1	3	2		2	2	1	15													
711-14-170	THERMOPLASTIC, PREFORMED, ARROWS	EA	3		1	1	3	2		2	2	1	15													
711-17	THERMOPLASTIC, REMOVE EXIST. THERMOPLASTIC PAVT. MKGS.	SF																								
713-103-101	PERMANENT TAPE, WHITE, SOLID, FOR CONC. BRIDGES, 6"	GM																								
713-103-131	PERMANENT TAPE, WHITE, SKIP, FOR CONC. SURFACES, 10'-30', 6"	GM																								
713-103-201	PERMANENT TAPE, YELLOW, SOLID, FOR CONC. BRIDGES, 6"	GM																								

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

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-5
DATE	DESCRIPTION	DATE	ROAD NO.		COUNTY	FINANCIAL PROJECT ID		
			46		LAKE	238275-2-52-01	TABULATION OF QUANTITIES	

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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				
700-1-11	SINGLE POST SIGN, F&I, GRD. MOUNT, UP TO 12 SF	AS	4		3																7	75		
700-1-12	SINGLE POST SIGN, F&I, GRD. MOUNT, 12-20 SF	AS								1											1	15		
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												1	1		
700-1-50	SINGLE POST SIGN, RELOCATE	AS																				16		
700-1-60	SINGLE POST SIGN, REMOVE	AS	1						2		1										4	70		
700-2-13	MULTI-POST SIGN, F&I, GROUND MOUNT, 21-30 SF	AS																				2		
700-2-15	MULTI-POST SIGN, F&I, GROUND MOUNT, 51-100 SF	AS																				1		
700-2-16	MULTI-POST SIGN, F&I, GROUND MOUNT, 101-200 SF	AS																				1		
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																				1		
700-2-60	MULTI-POST SIGN, F&I GROUND MOUNT, REMOVE	AS																				1		
700-3-101	SIGN PANEL, F&I, GRD. MOUNT, UP TO 12 SF	EA																				1		
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201-300 SF	EA																				1		
700-3-226	SIGN PANEL, F&I, OVERHEAD MOUNT, 101-200 SF WITH LIGHTING	EA																				1		
700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA									4											4	9	
700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA																				1		
700-4-112	OH STATIC SIGN STR., F&I, CANTILEVER, 21-30 FT	AS																				1		
700-4-114	OH STATIC SIGN STR., F&I, CANTILEVER, 41-50 FT	AS																				1		
705-10-1	OBJECT MARKER, TYPE 1	EA																				3		
705-10-4	OBJECT MARKER, TYPE 4	EA	2																			2	7	
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA	1																			1	25	
710-90	PAINTED PAVT. MARKINGS, FINAL SURFACE	LS																					1	
*	RETRO REFLECTIVE PAVEMENT MARKERS																							
*	BI-DIRECTIONAL WHITE RED	EA	91		3		28		28													150	1965	
*	BI-DIRECTIONAL YELLOW	EA								12												12	135	
*	BI-DIRECTIONAL YELLOW RED	EA					13		13													26	37	
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 6"	GM	0.186				0.017		0.106													0.309	10.092	
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 8"	GM	0.075																			0.075	1.215	
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 12"	LF																					1947	
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 18"	LF	126																			126	1480	
*	PAINTED PAVT. MKGS., STD., WHITE, SOLID, 24"	LF								12												12	491	
*	PAINTED PAVT. MKGS., STD., WHITE, SKIP, 10'-30', 6"	GM	0.136				0.016		0.105													0.257	7.255	
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 3'-9', 12"	GM	0.144		0.006																	0.149	0.457	
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 6'-10', 6"	GM	0.013																			0.013	0.435	
*	PAINTED PAVT. MKGS., STD., WHITE, DOTTED, 2'-4', 6"	GM																					0.877	
*	PAINTED PAVT. MKGS., STD., WHITE, MESSAGE	EA	2		3						1											6	16	
*	PAINTED PAVT. MKGS., STD., WHITE, ARROWS	EA	2								1											3	98	
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 6"	GM	0.149				0.016		0.104		0.076											0.345	5.858	
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 8"	GM																					0.043	
*	PAINTED PAVT. MKGS., STD., YELLOW, SOLID, 18"	LF																					249	
*	PAINTED PAVT. MKGS., STD., YELLOW, 6'-10' GAP, 6"	GM																					0.302	
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF																					803	
711-14-160	THERMOPLASTIC, PREFORMED, MESSAGE	EA																					38	
711-14-170	THERMOPLASTIC, PREFORMED, ARROWS	EA																					38	
711-17	THERMOPLASTIC, REMOVE EXIST. THERMOPLASTIC PAVT. MKGS.	SF	111																			111	111	
713-103-101	PERMANENT TAPE, WHITE, SOLID, FOR CONC. BRIDGES, 6"	GM					0.089															0.089	0.108	
713-103-131	PERMANENT TAPE, WHITE, SKIP, FOR CONC. SURFACES, 10'-30', 6"	GM					0.085															0.085	0.104	
713-103-201	PERMANENT TAPE, YELLOW, SOLID, FOR CONC. BRIDGES, 6"	GM					0.085															0.085	0.104	

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

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 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	
					46	LAKE	238275-2-52-01	

TABULATION OF QUANTITIES

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

PROJECT NOTES:

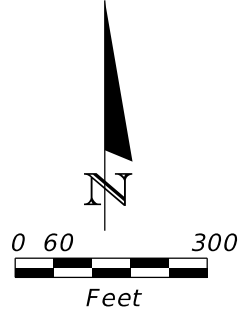
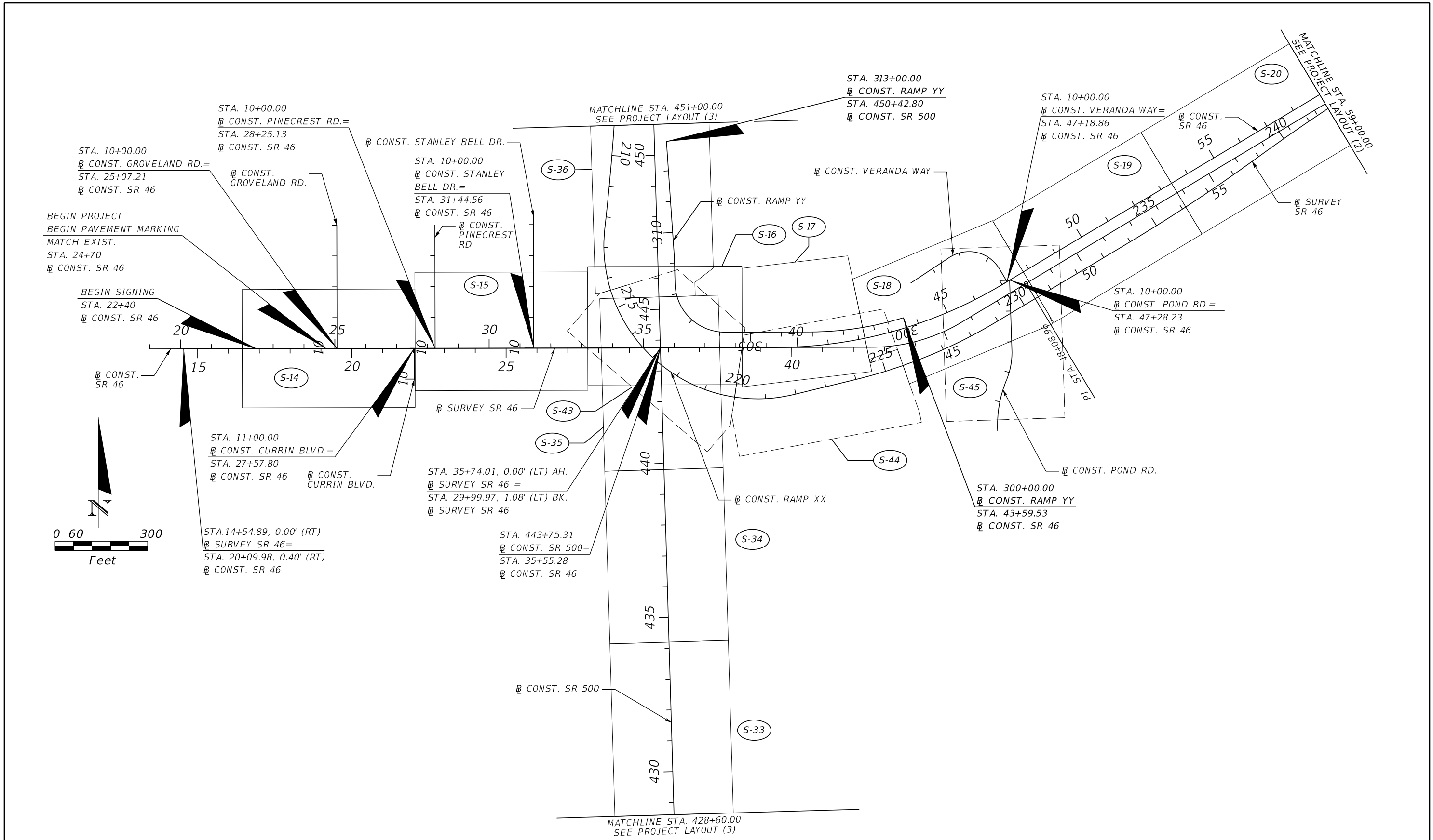
1. ALL REMOVED SIGNS AND THEIR SUPPORTS BECOME THE PROPERTY OF THE CONTRACTOR TO BE DISPOSED OF PROPERLY UNLESS OTHERWISE NOTED ON THE PLANS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE AND REPLACE ALL EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS. IF SIGNS ARE DAMAGED BY THE CONTRACTOR, 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.

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 SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

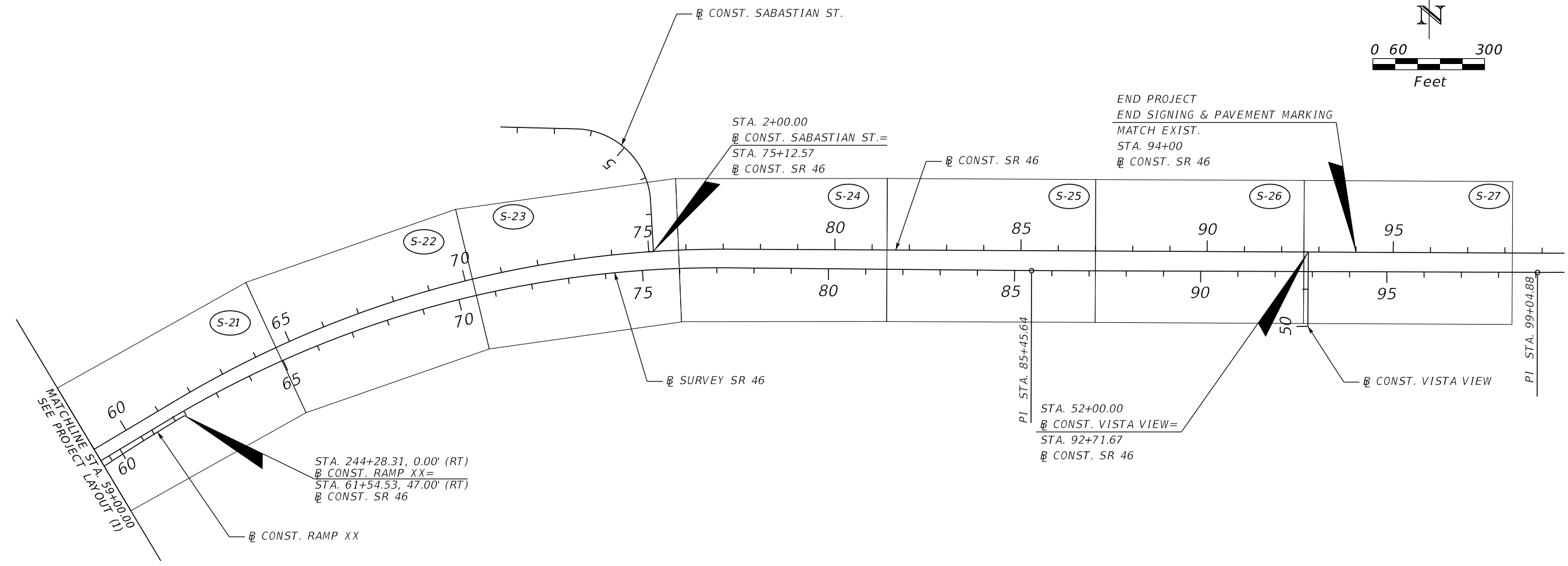
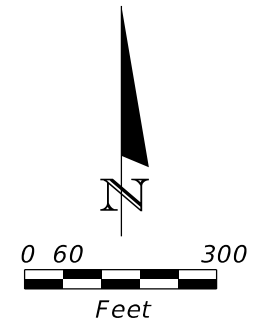
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<i>PROJECT NOTES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-7
					46	LAKE	238275-2-52-01		



* FOR DETAILED HORIZONTAL ALIGNMENT INFORMATION SEE ROADWAY COMPONENT

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT (1)	SHEET NO. S-8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		

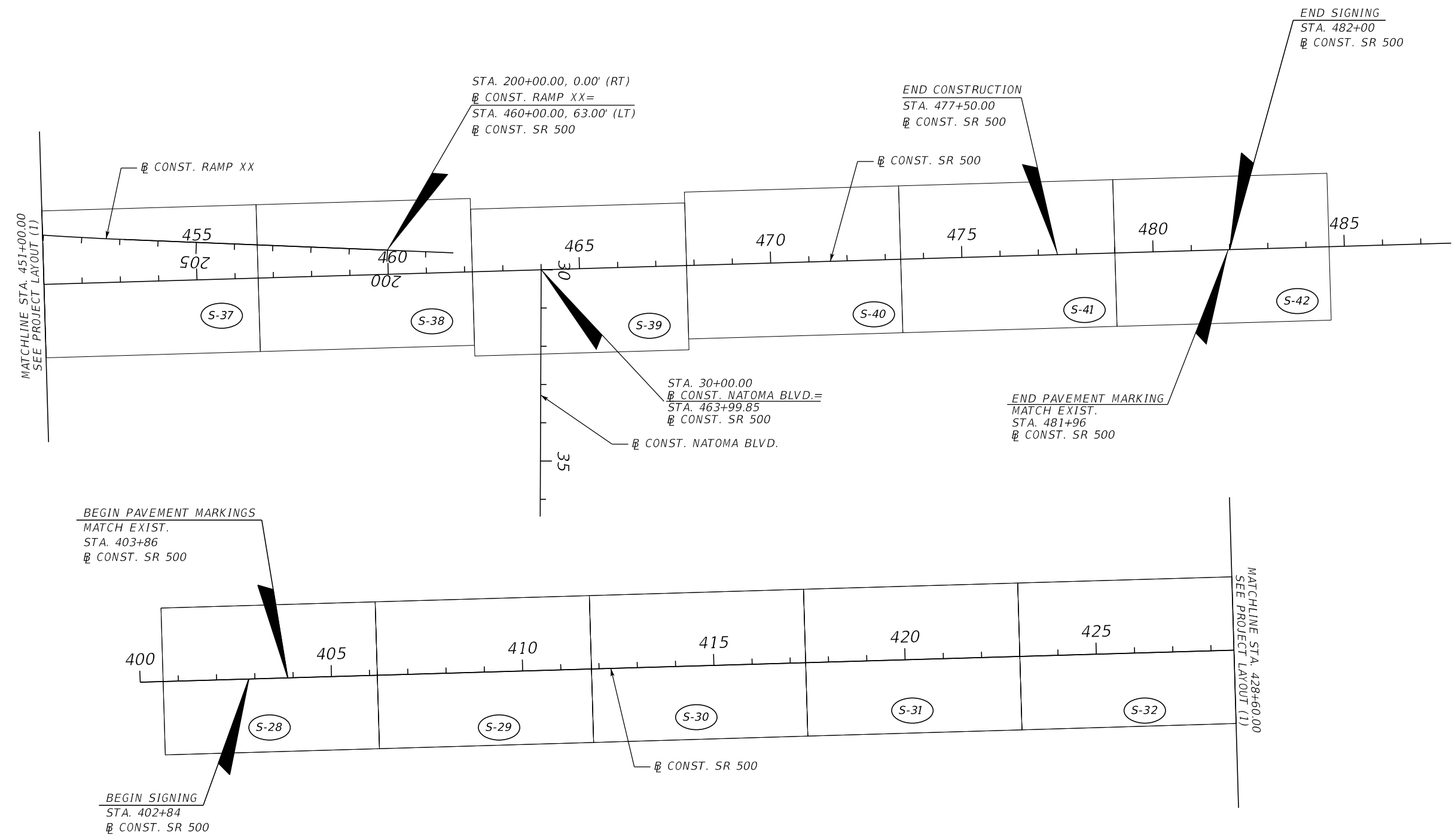
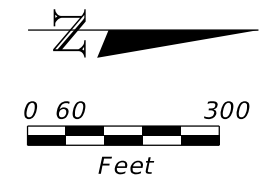
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



* FOR DETAILED HORIZONTAL ALIGNMENT INFORMATION SEE ROADWAY COMPONENT

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT (2)	SHEET NO. S-9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		

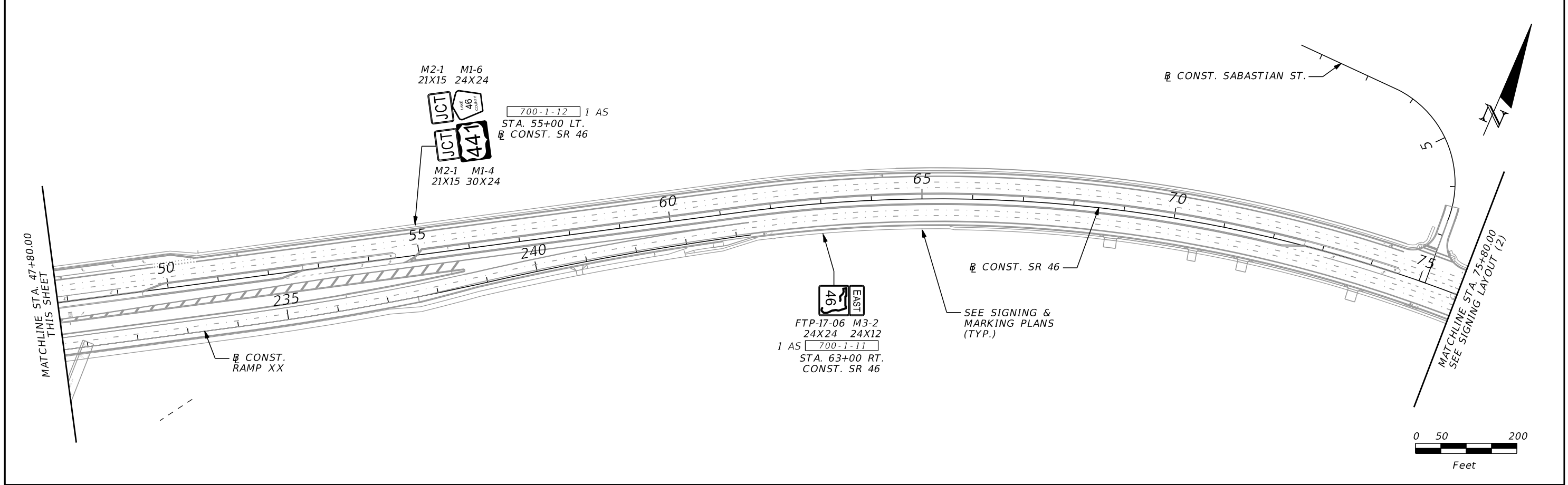
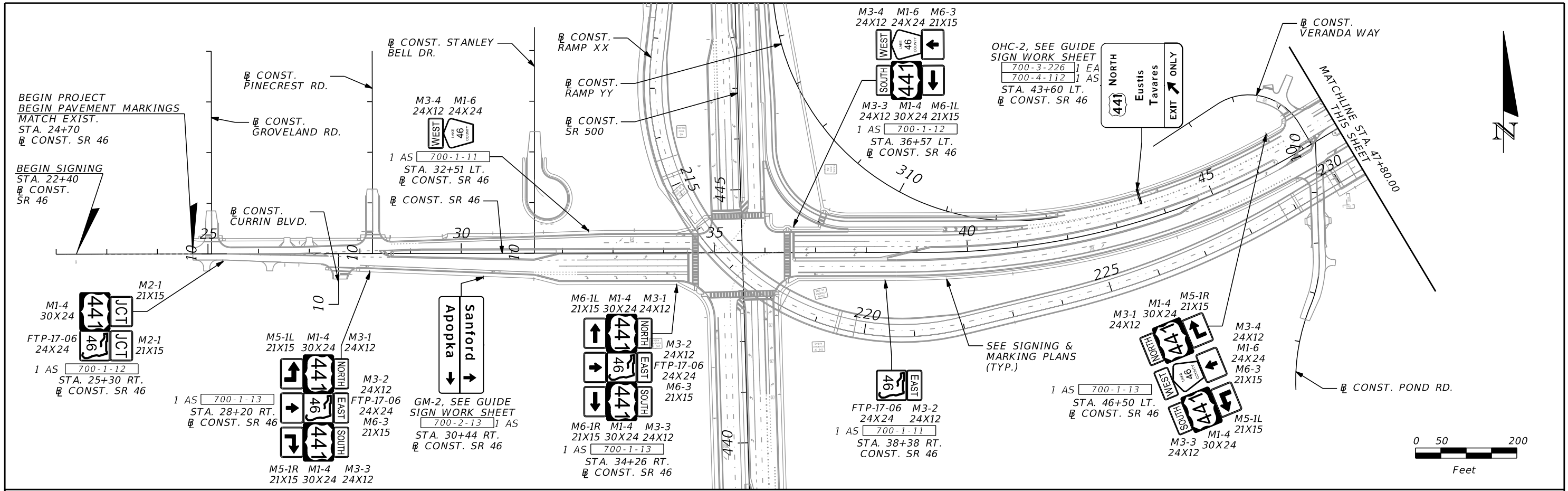
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



* FOR DETAILED HORIZONTAL ALIGNMENT INFORMATION SEE ROADWAY COMPONENT

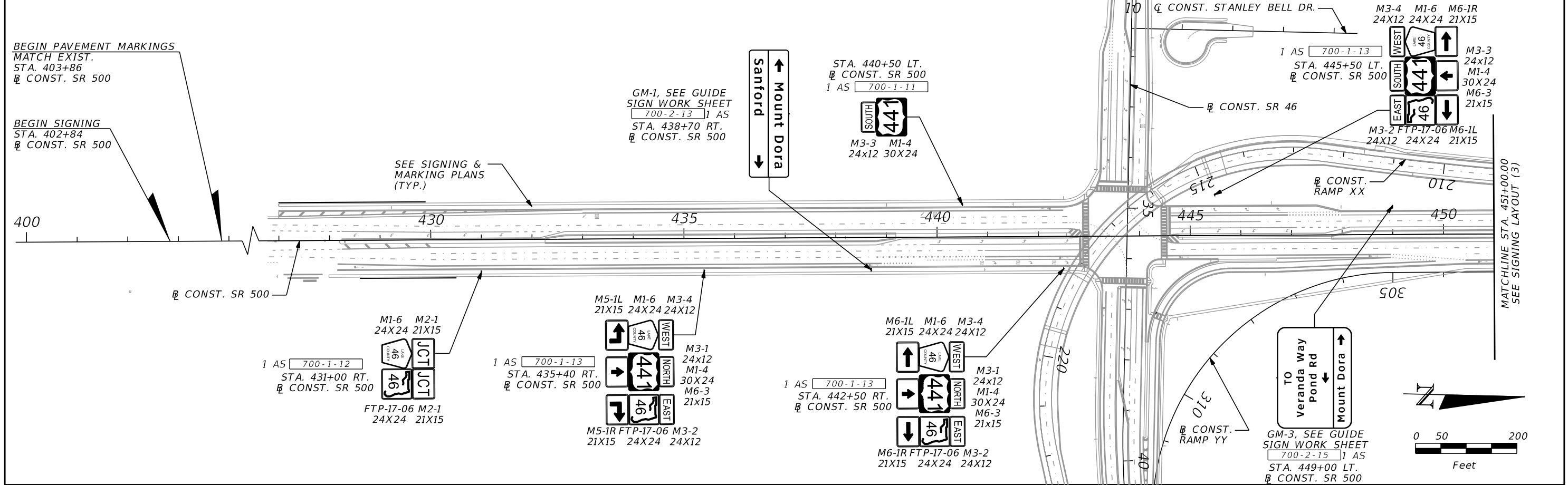
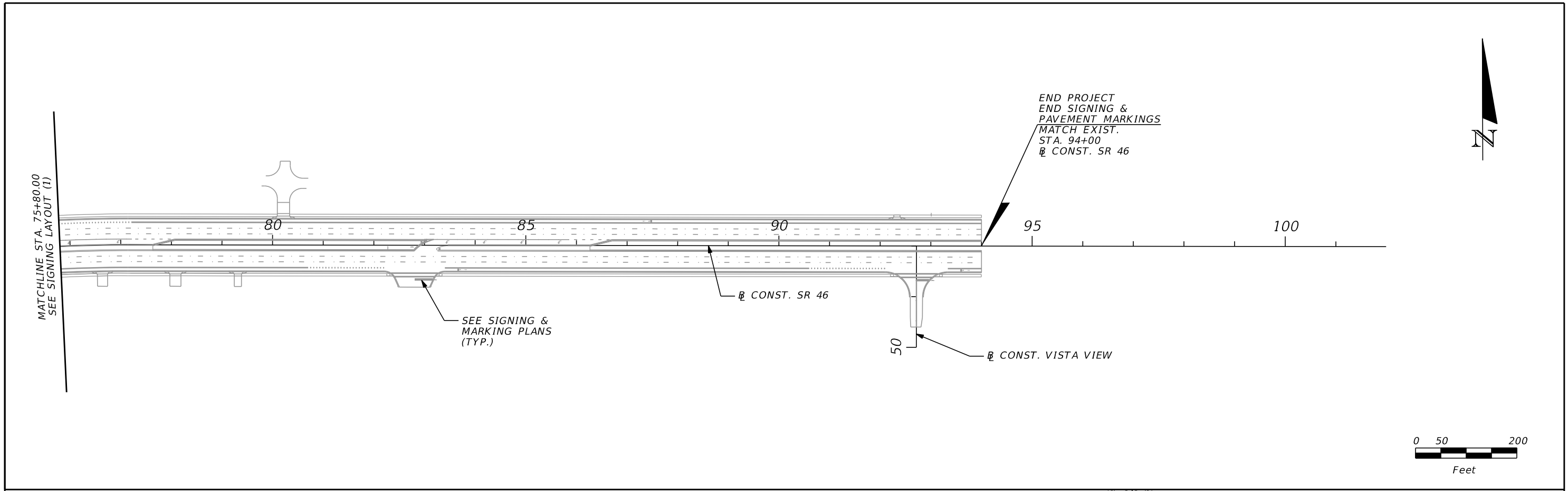
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT (3)	SHEET NO. S-10
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		

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REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 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	
					46	LAKE	238275-2-52-01	

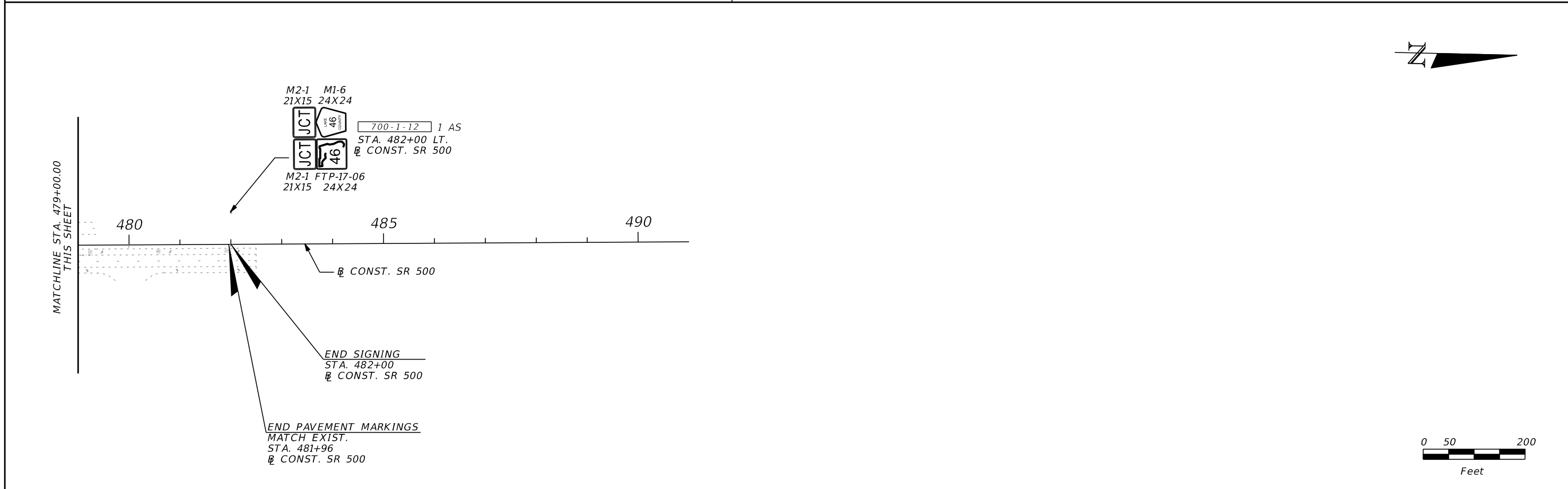
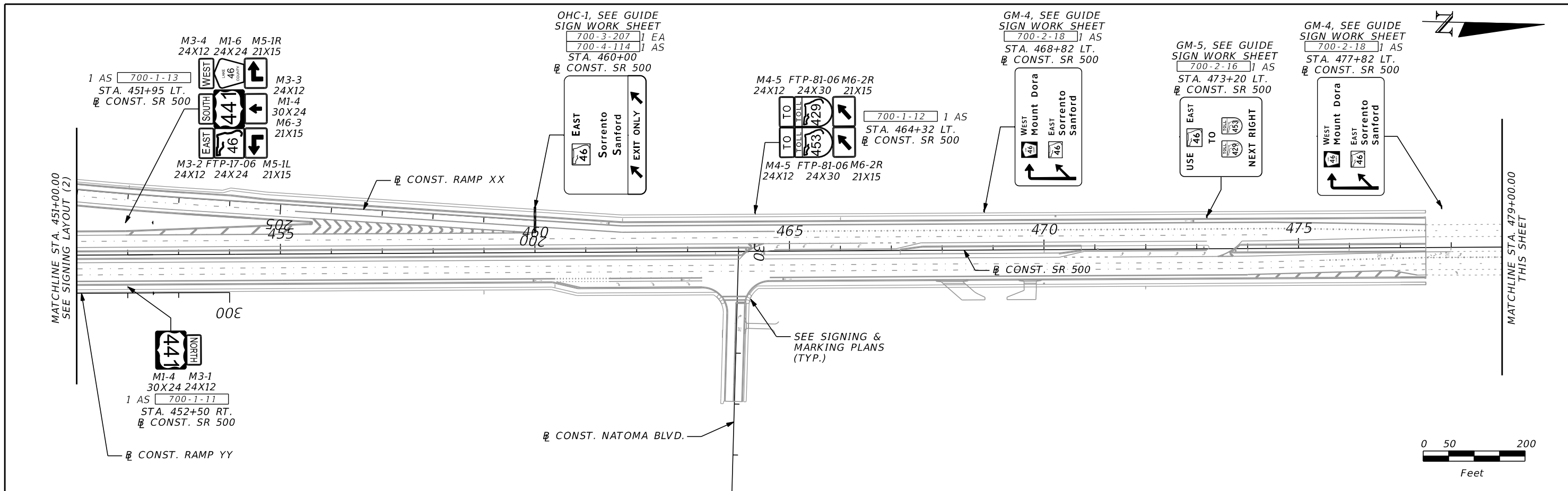
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 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	
					46	LAKE	238275-2-52-01	

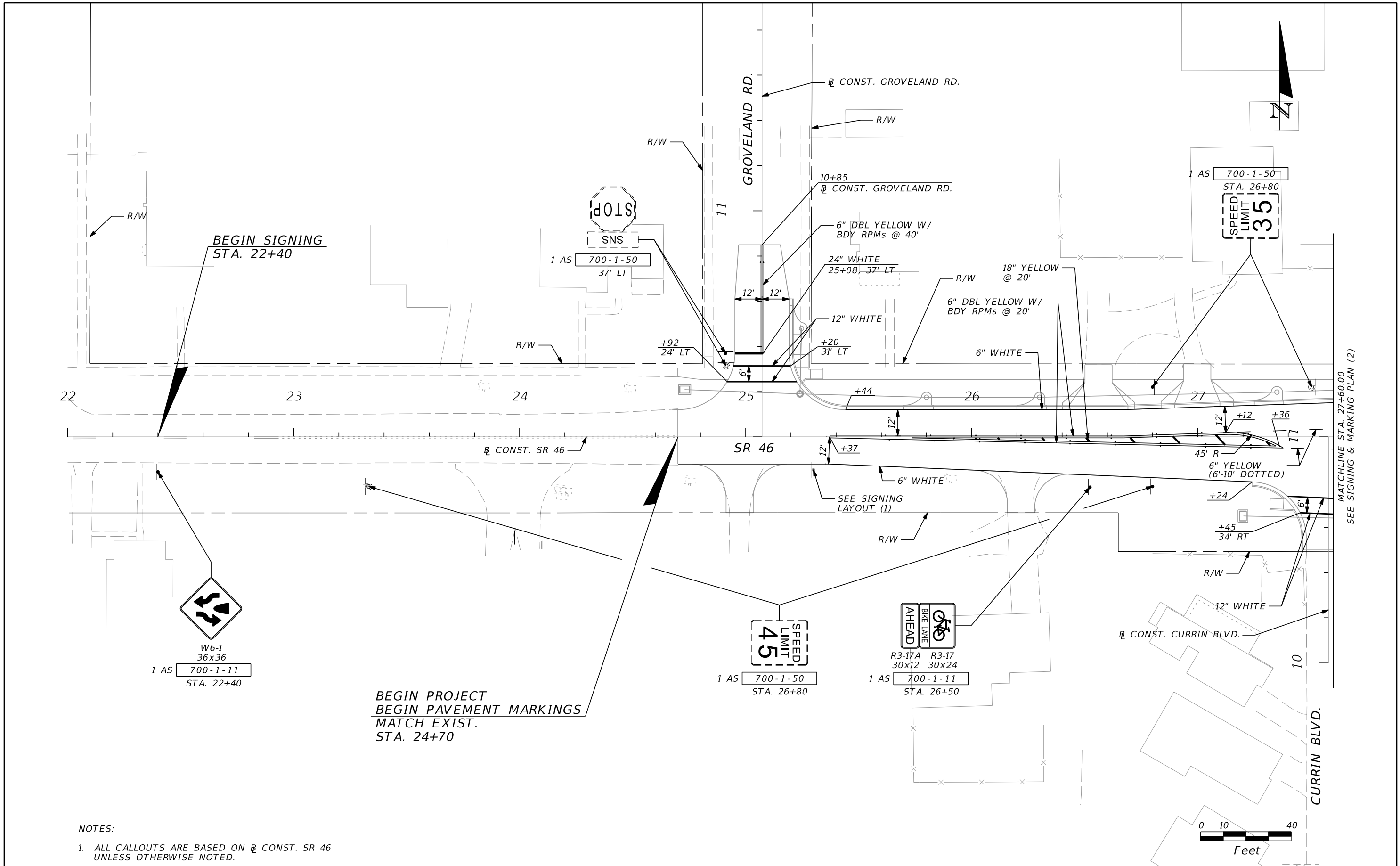
SIGNING LAYOUT (2)

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-13
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					46	LAKE	238275-2-52-01	

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W6-1
36x36
1 AS 700-1-11
STA. 22+40

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

SPEED
LIMIT
45
1 AS 700-1-50
STA. 26+80

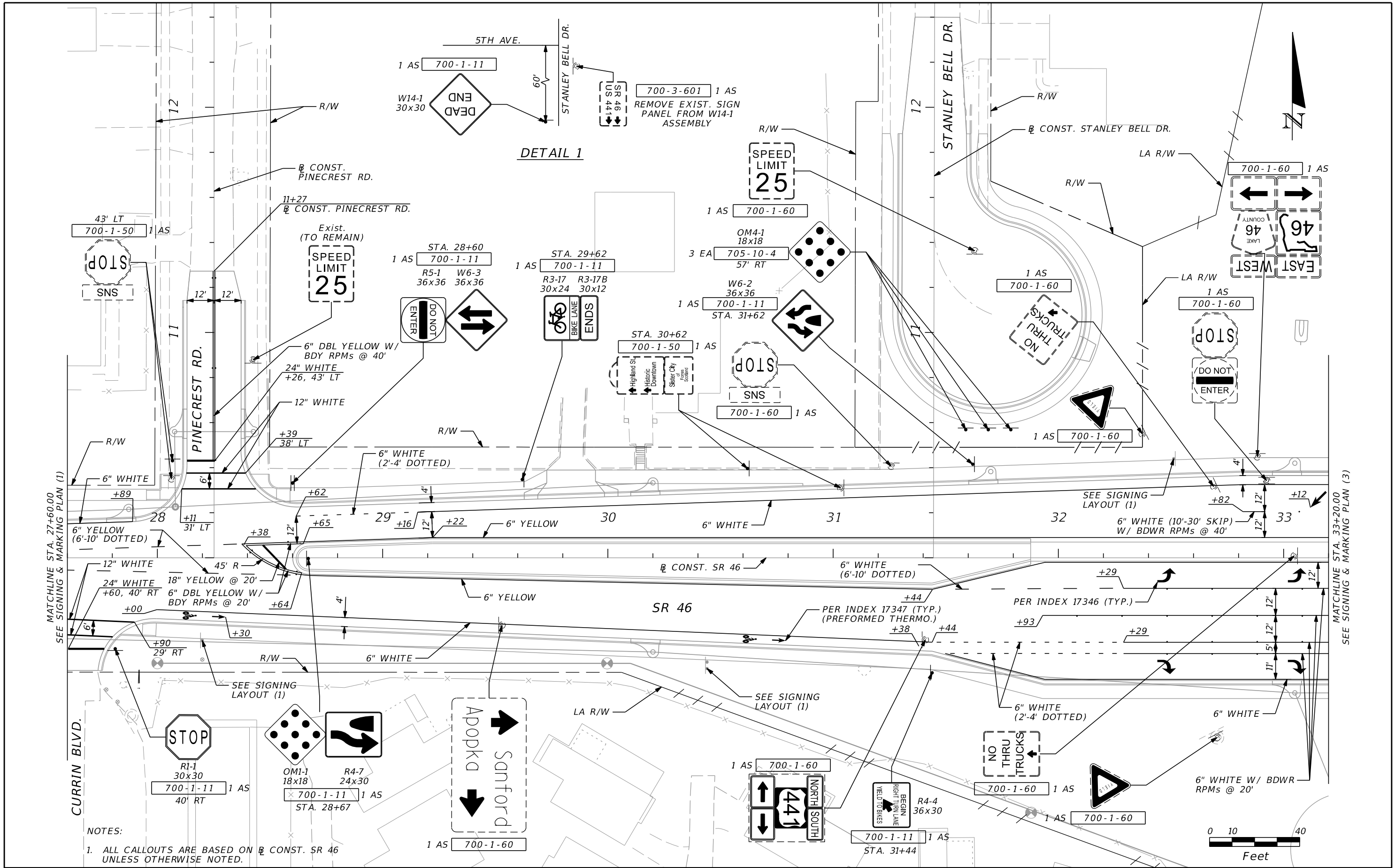
BIKE LANE
AHEAD
R3-17A R3-17
30x12 30x24
1 AS 700-1-11
STA. 26+50

700-1-50
STA. 26+80
SPEED
LIMIT
35

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

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		S-14

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



MATCHLINE STA. 27+60.00
SEE SIGNING & MARKING PLAN (1)

MATCHLINE STA. 33+20.00
SEE SIGNING & MARKING PLAN (3)

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

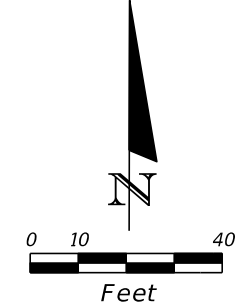
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-2-52-01

**SIGNING & MARKING
PLAN (2)**

SHEET NO.
S-15

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

- 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

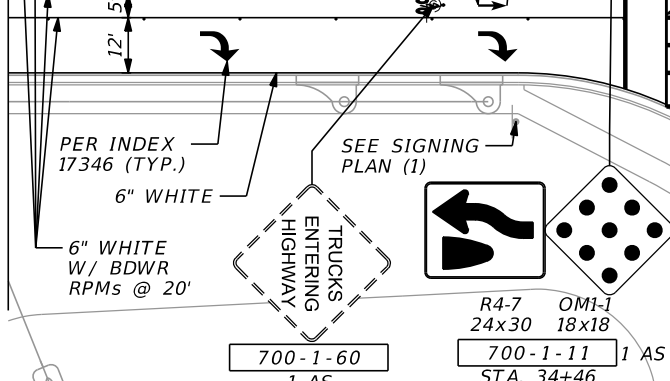
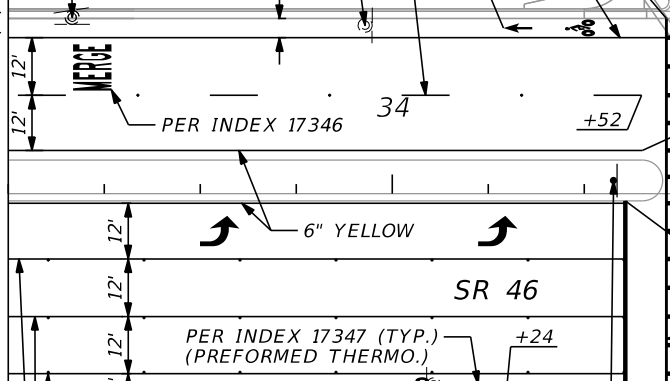


700-1-11 1 AS
STA. 33+41



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

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

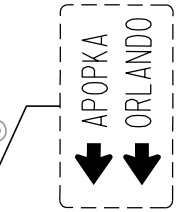


700-1-60 1 AS
700-1-11 1 AS
STA. 34+46

SR 500

CONST. SR 500

RAMP XX



700-1-60 1 AS

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

CONST. RAMP YY

6" WHITE BUFFERED BIKE
LANE PER INDEX 17347

6" WHITE BUFFERED BIKE
LANE PER INDEX 17347



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

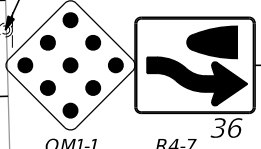
700-1-11 1 AS
STA. 36+57

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



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

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

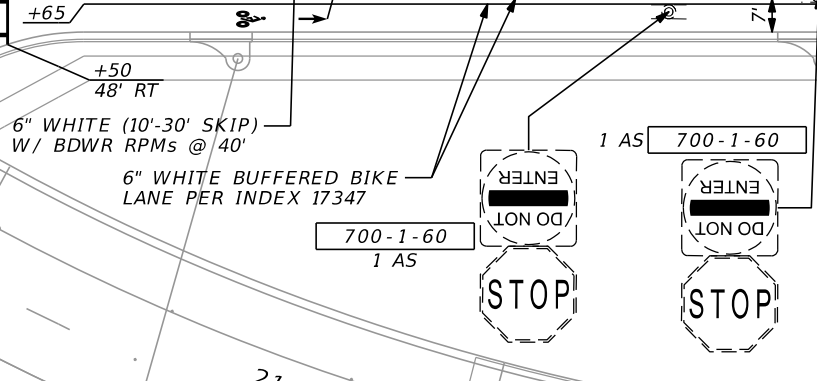
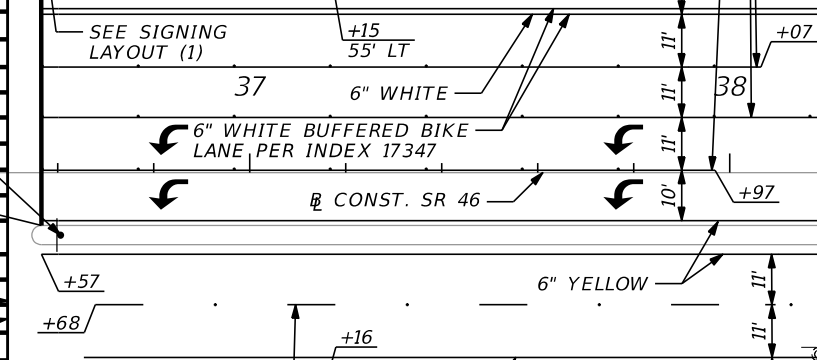


700-1-11 1 AS
STA. 36+61

24" WHITE
+57, 11' RT

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

12" WHITE

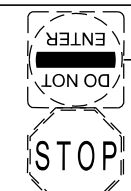
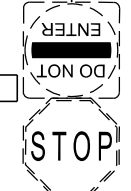


6" WHITE (10'-30' SKIP)
W/ BDWR RPMs @ 40'

6" WHITE BUFFERED BIKE
LANE PER INDEX 17347

700-1-60 1 AS

700-1-60 1 AS



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

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

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

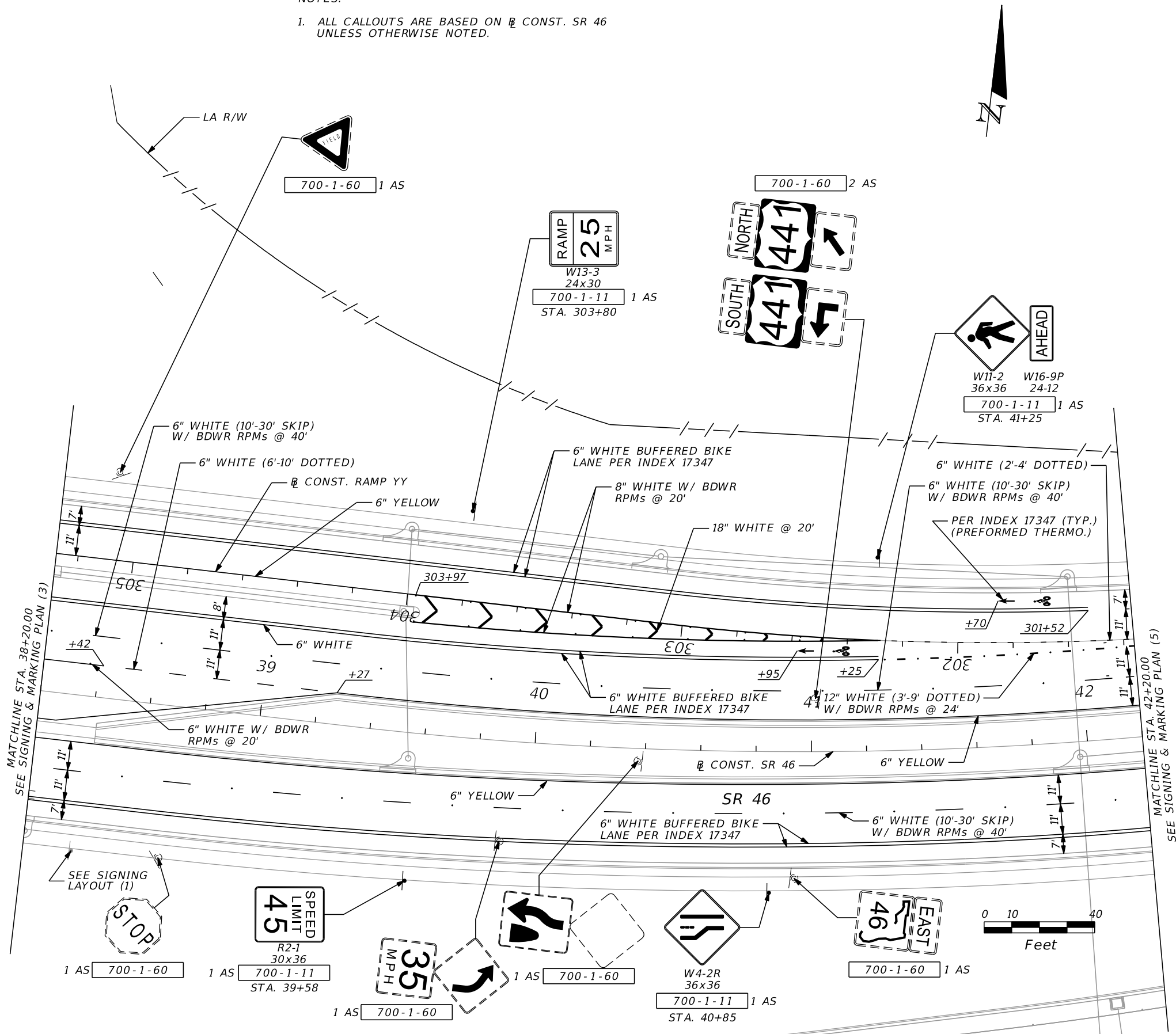
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-2-52-01

SIGNING & MARKING PLAN (3)		SHEET NO.
S-16		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

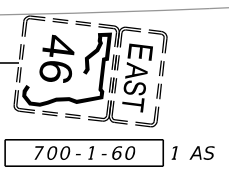
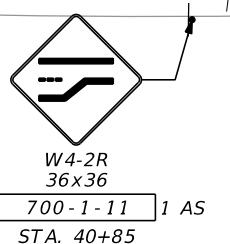
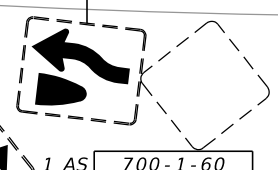
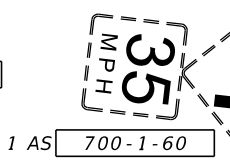
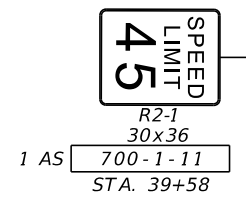
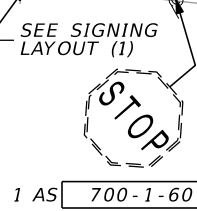
NOTES:

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



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

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

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

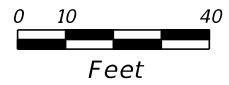
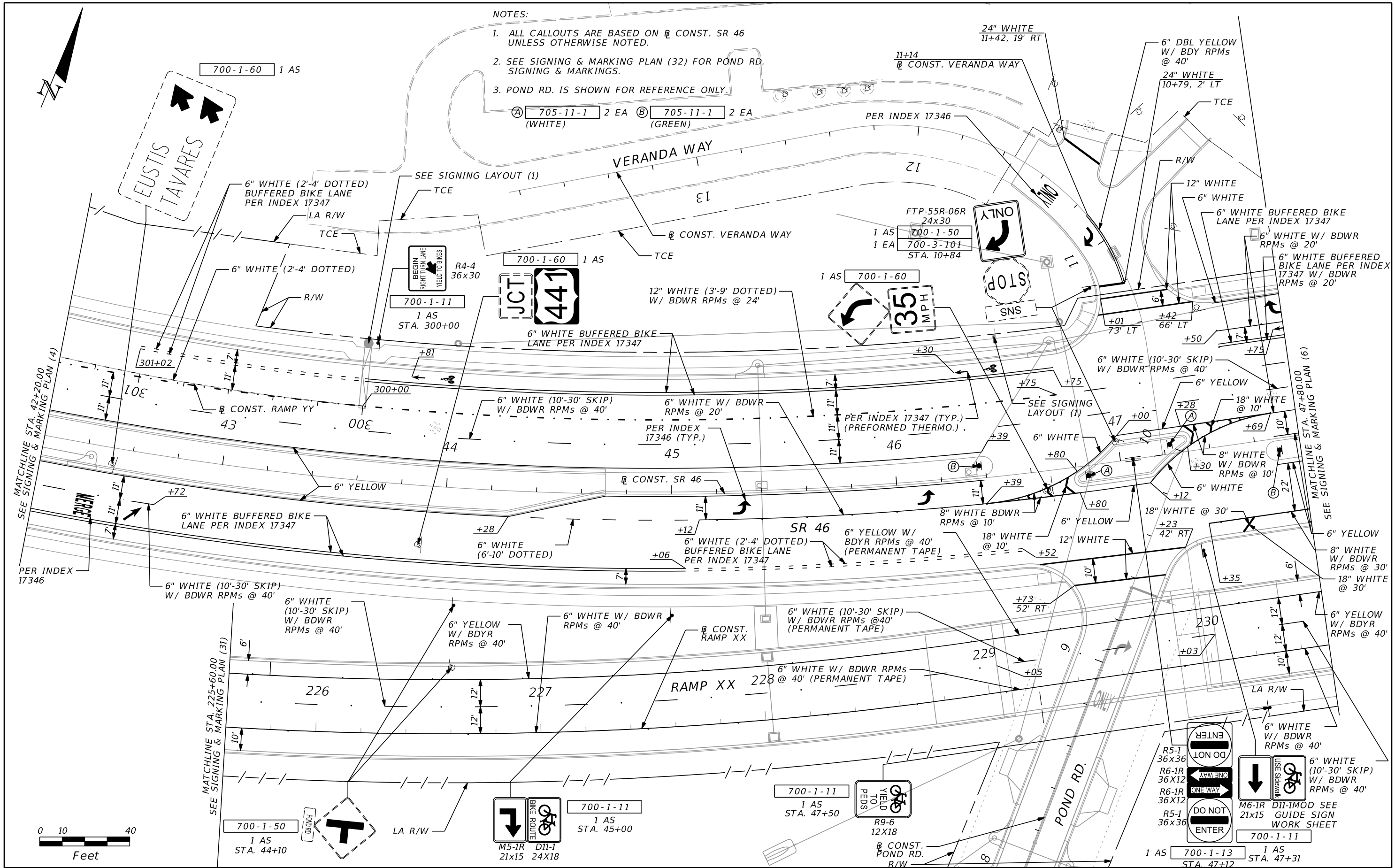
**SIGNING & MARKING
PLAN (4)**

SHEET NO.
S-17

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

NOTES:

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



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

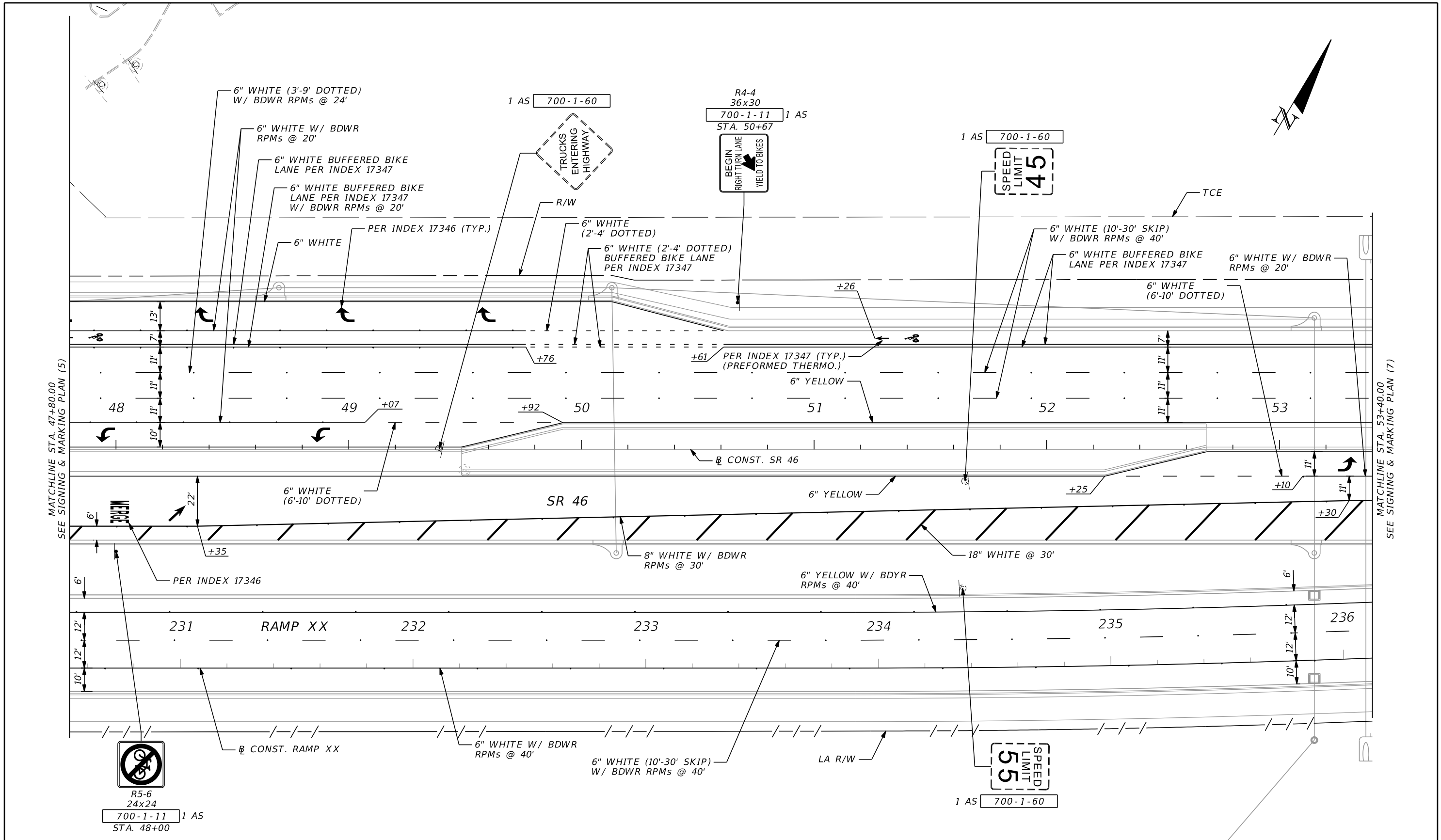
PROTEAN DESIGN GROUP
SCOTT G. HORLANDER, P.E. NO. 46624
100 EAST PINE STREET, SUITE 600
ORLANDO FLORIDA 32801
PHONE (407) 246-0044
CERTIFICATE OF AUTHORIZATION NUMBER 7865

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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 SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



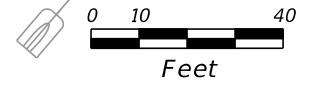
MATCHLINE STA. 47+80.00
SEE SIGNING & MARKING PLAN (5)

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

- NOTES:
- ALL CALLOUTS ARE BASED ON \square CONST. SR 46 UNLESS OTHERWISE NOTED.

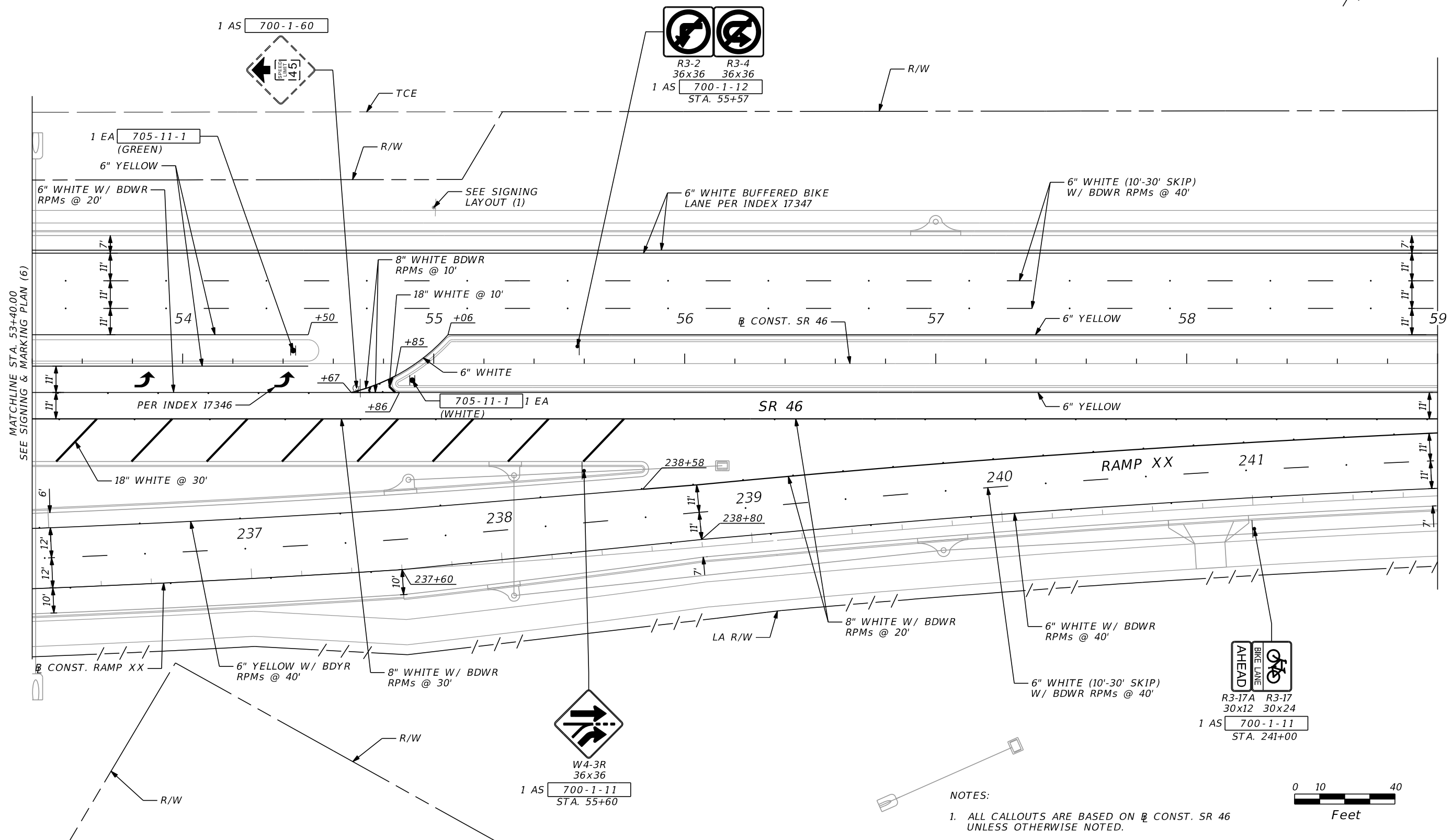
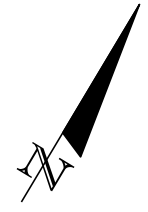


R5-6
24x24
700-1-11 1 AS
STA. 48+00



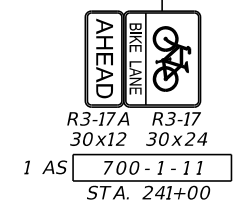
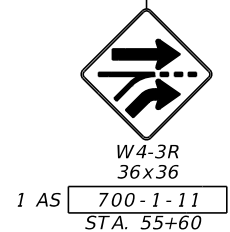
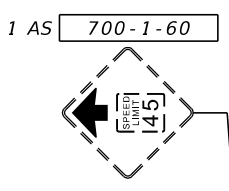
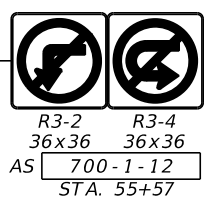
REVISIONS		PROTEAN DESIGN GROUP		STATE OF FLORIDA			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DEPARTMENT OF TRANSPORTATION			
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				46	LAKE	238275-2-52-01	S-19

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

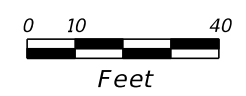


MATCHLINE STA. 53+40.00
SEE SIGNING & MARKING PLAN (6)

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

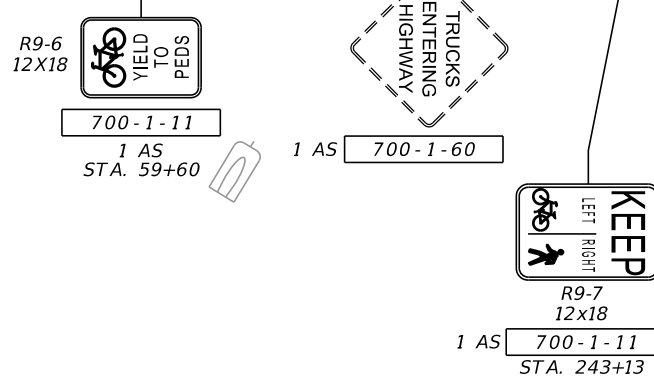
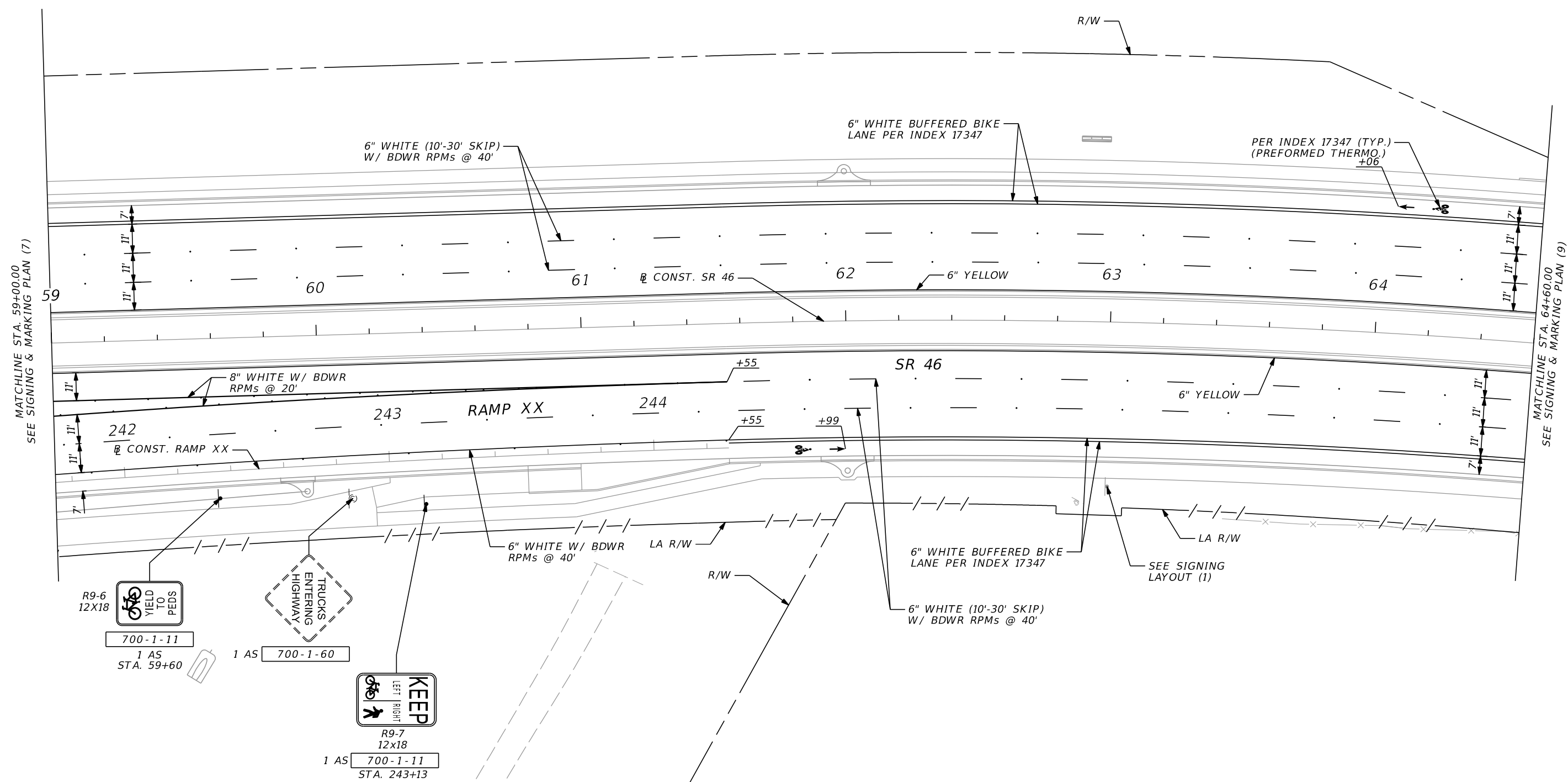
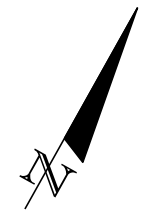


NOTES:
1. ALL CALLOUTS ARE BASED ON CONST. SR 46 UNLESS OTHERWISE NOTED.

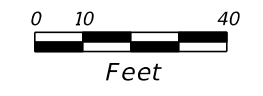


NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (7)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						46	LAKE		238275-2-52-01

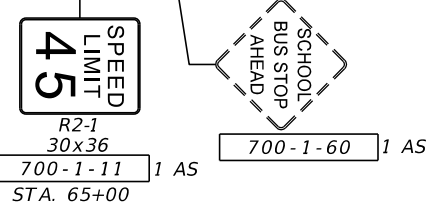
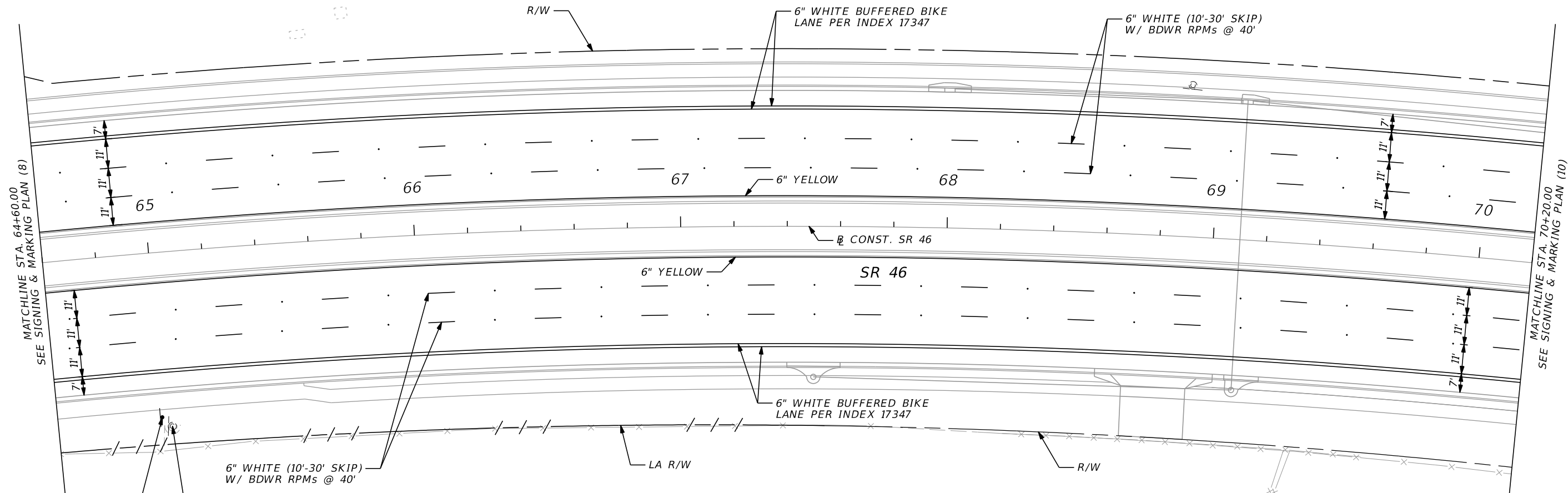


NOTES:
 1. ALL CALLOUTS ARE BASED ON \varnothing CONST. SR 46 UNLESS OTHERWISE NOTED.

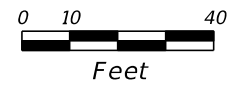


REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (8)	SHEET NO. S-21
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

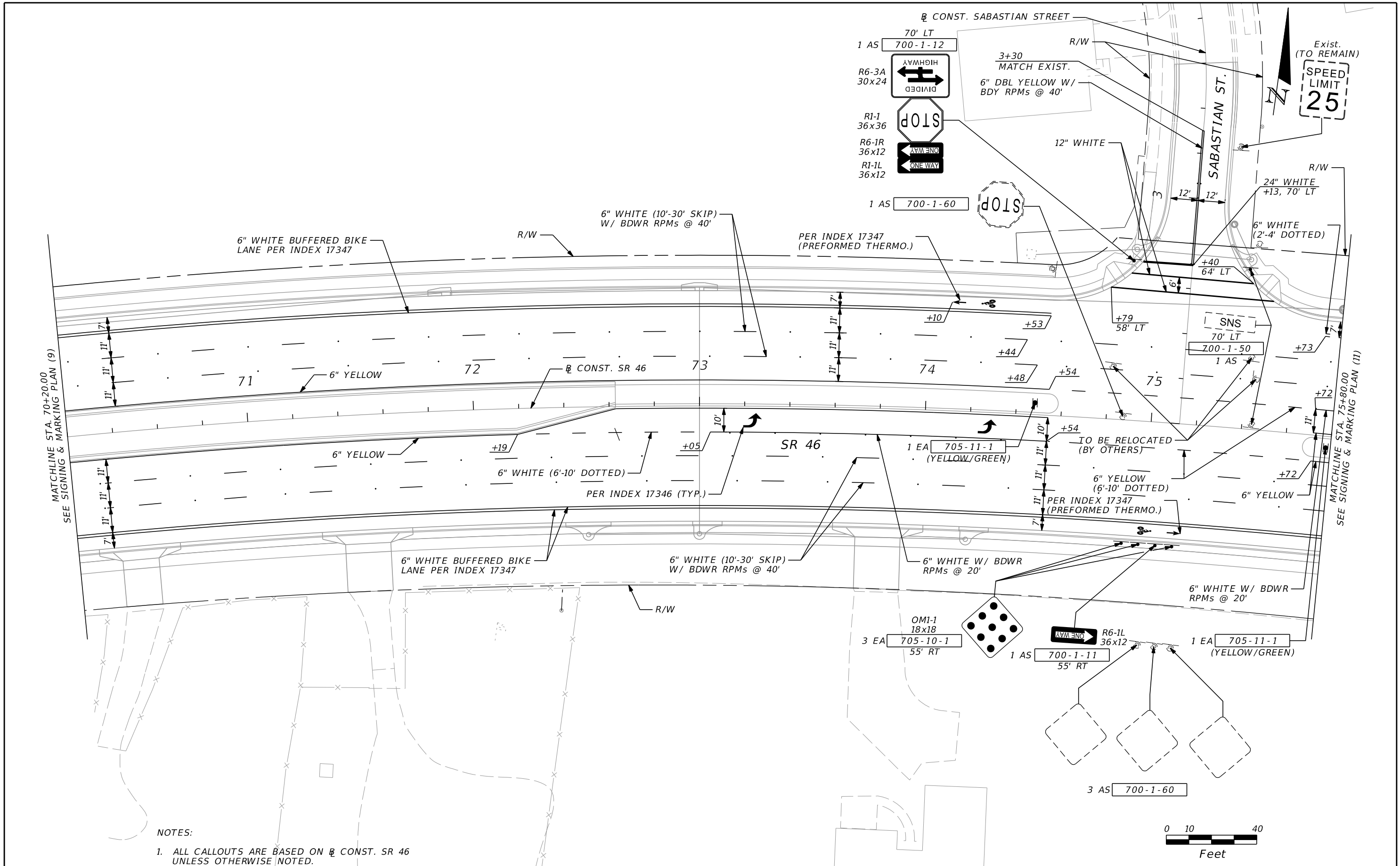


NOTES:
 1. ALL CALLOUTS ARE BASED ON \mathcal{B} CONST. SR 46 UNLESS OTHERWISE NOTED.



REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (9)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		S-22

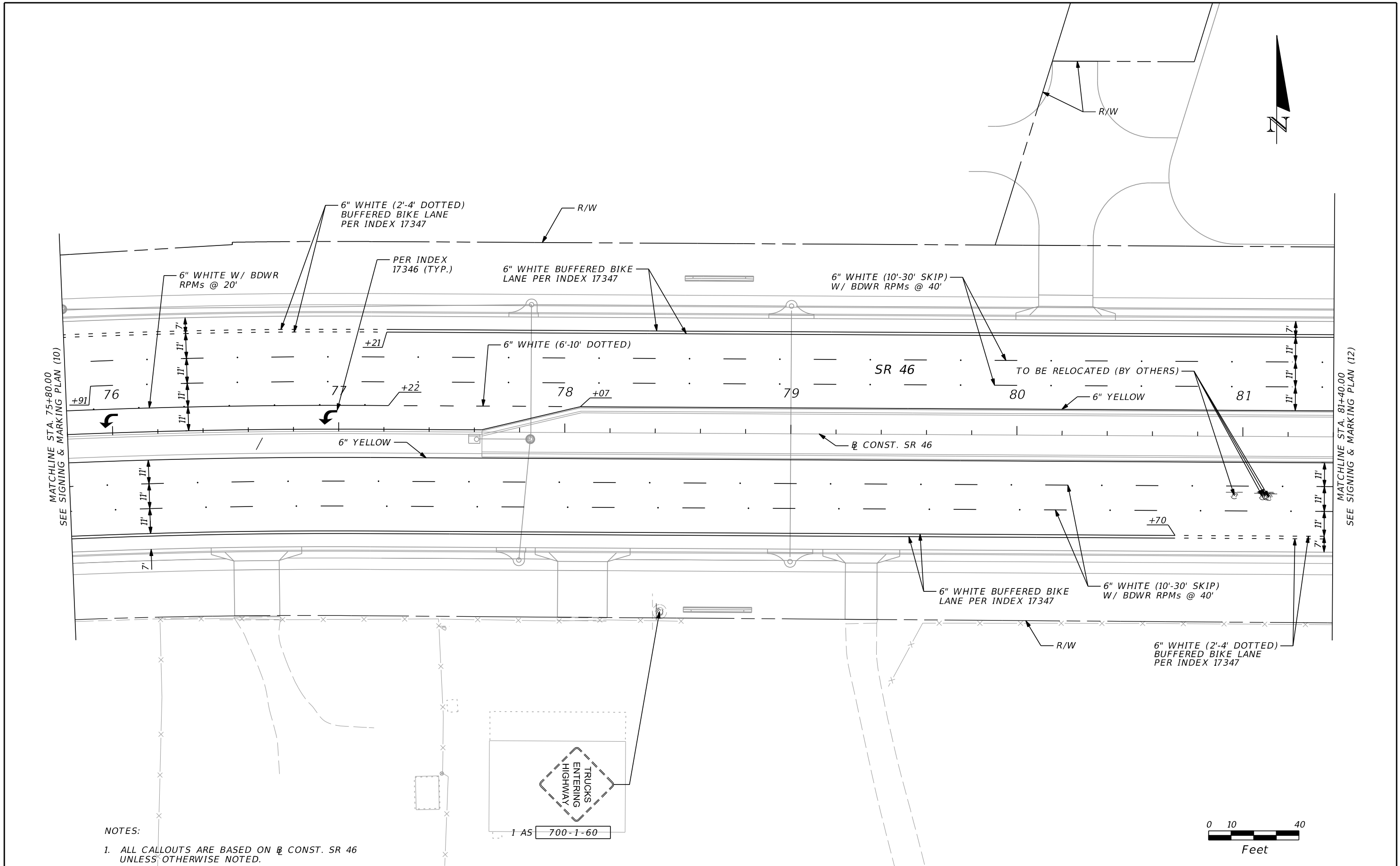
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



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

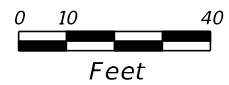
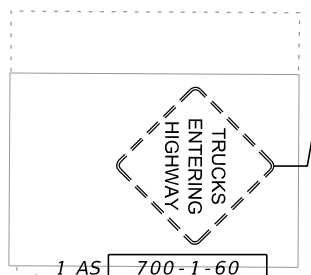
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (10)	SHEET NO. S-23
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



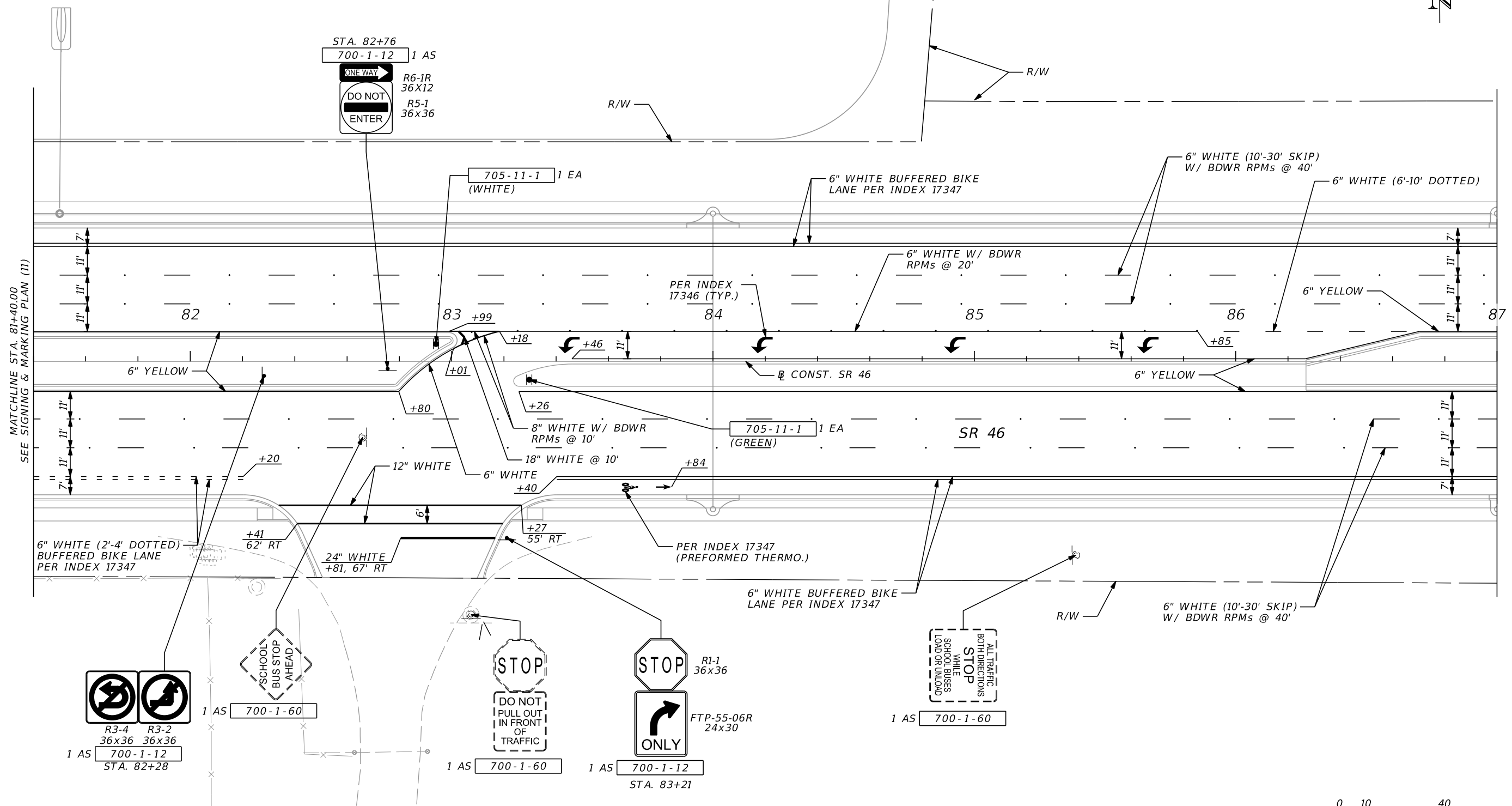
NOTES:

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



REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 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		
					46	LAKE	238275-2-52-01		

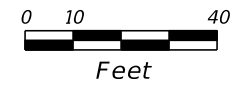
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



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

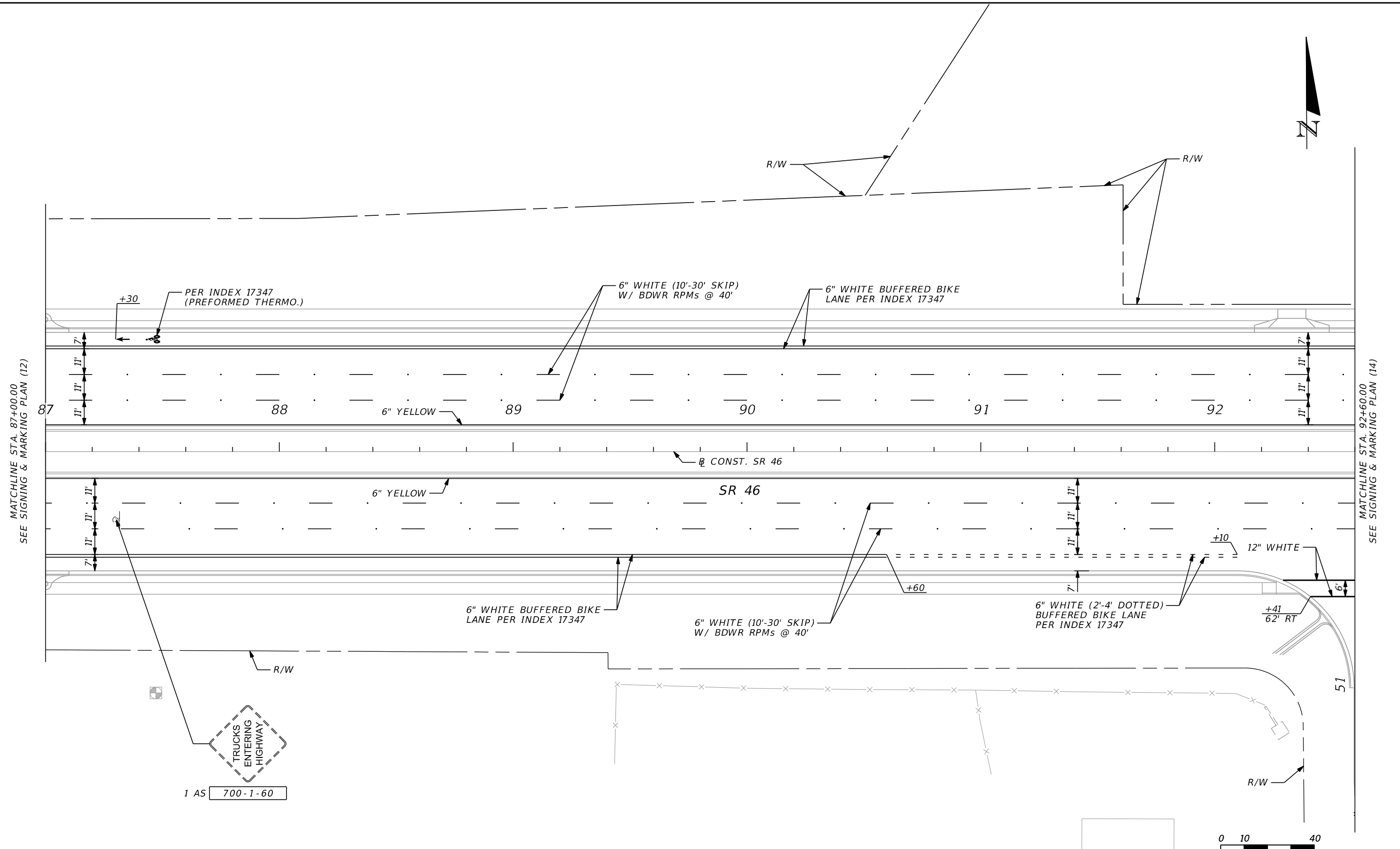
MATCHLINE STA. 87+00.00
SEE SIGNING & MARKING PLAN (13)

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



REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 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	
					46	LAKE	238275-2-52-01	

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

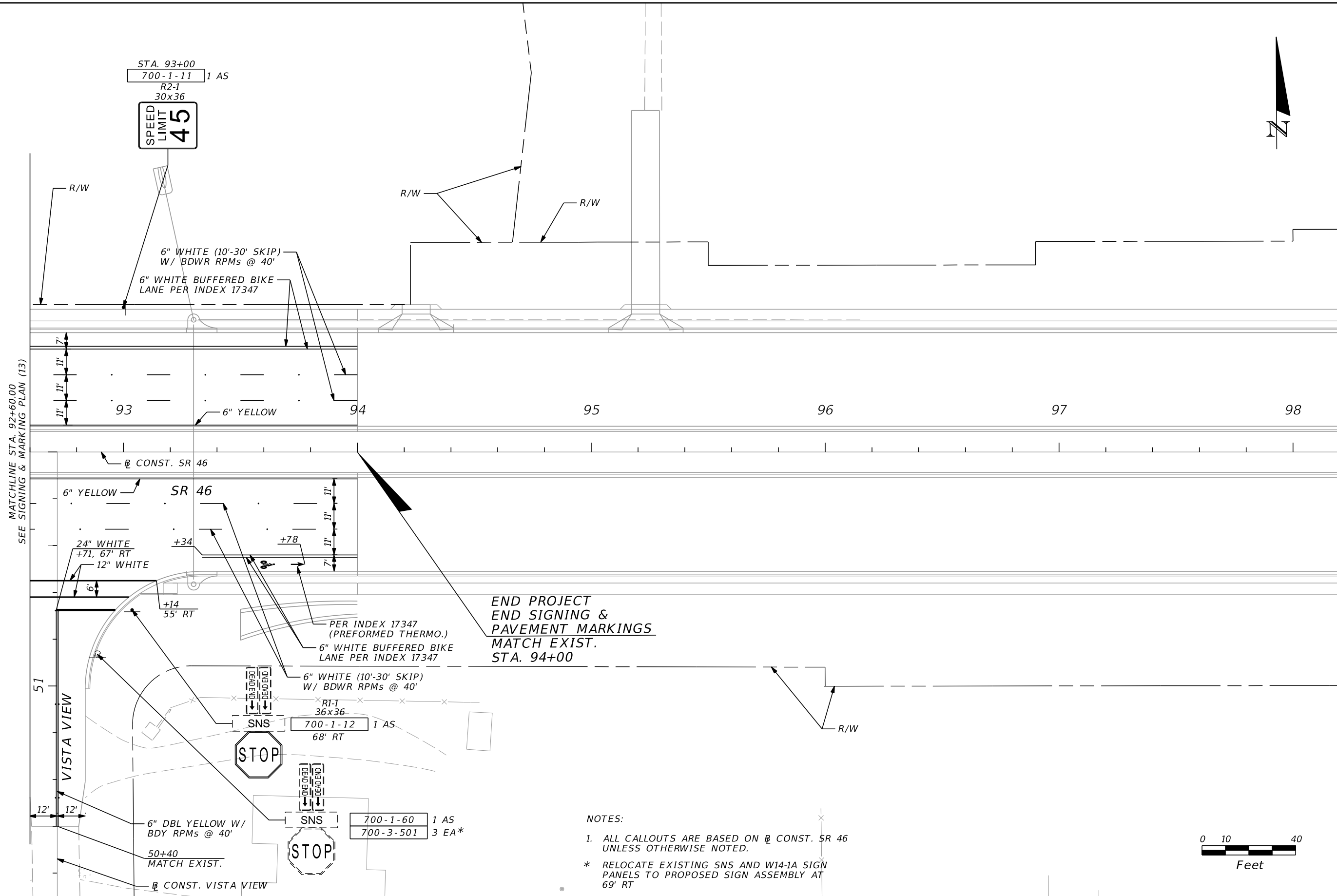
MATCHLINE STA. 92+60.00
SEE SIGNING & MARKING PLAN (14)

NOTES:

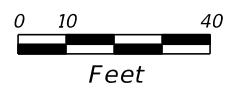
1. ALL CALLOUTS ARE BASED ON \varnothing CONST. SR 46 UNLESS OTHERWISE NOTED.

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (13)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		S-26

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

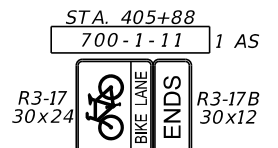


- NOTES:
- ALL CALLOUTS ARE BASED ON CONST. SR 46 UNLESS OTHERWISE NOTED.
 - RELOCATE EXISTING SNS AND W14-1A SIGN PANELS TO PROPOSED SIGN ASSEMBLY AT 69' RT



REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (14)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						46	LAKE		238275-2-52-01

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BEGIN PAVEMENT MARKINGS
MATCH EXIST.
STA. 403+86

BEGIN SIGNING
STA. 402+84



401

402

403

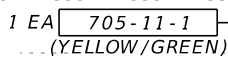
404

405

406

SR 500

CONST. SR 500



+07

PER INDEX 17346 (TYP.)

18 YELLOW @ 10'

8" YELLOW W/ BDY RPMs @ 10'

6" YELLOW (6'-10" DOTTED)

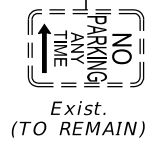
6" WHITE (6'-10" DOTTED)

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

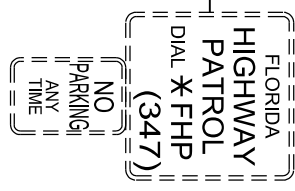
6" WHITE (2'-4" DOTTED)

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

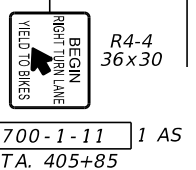
PER INDEX 17347 (PERFORMED THERMO.)



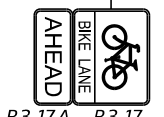
1 AS 700-1-60



1 AS 700-1-50 STA. 405+10



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



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

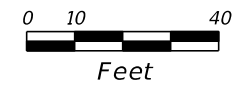
Exist. (TO REMAIN)

Exist. (TO REMAIN)

Exist. (TO REMAIN)

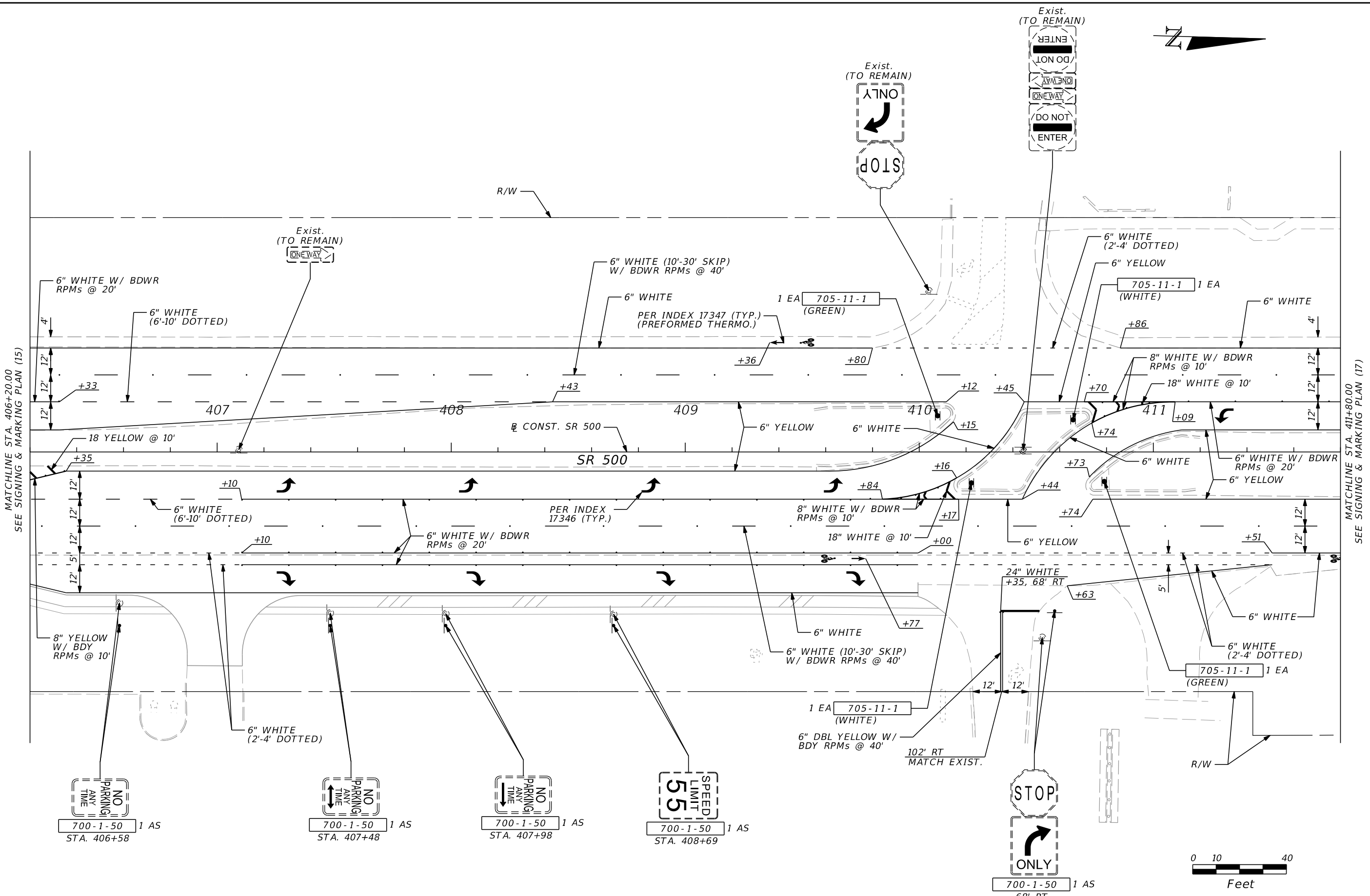
MT DORA ENTERING LAKE COUNTY LAKE SOIL & WATER CONSERVATION DISTRICT CITY LIMIT

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



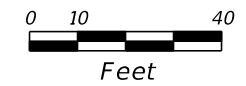
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (15)	SHEET NO. S-28
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		

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

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



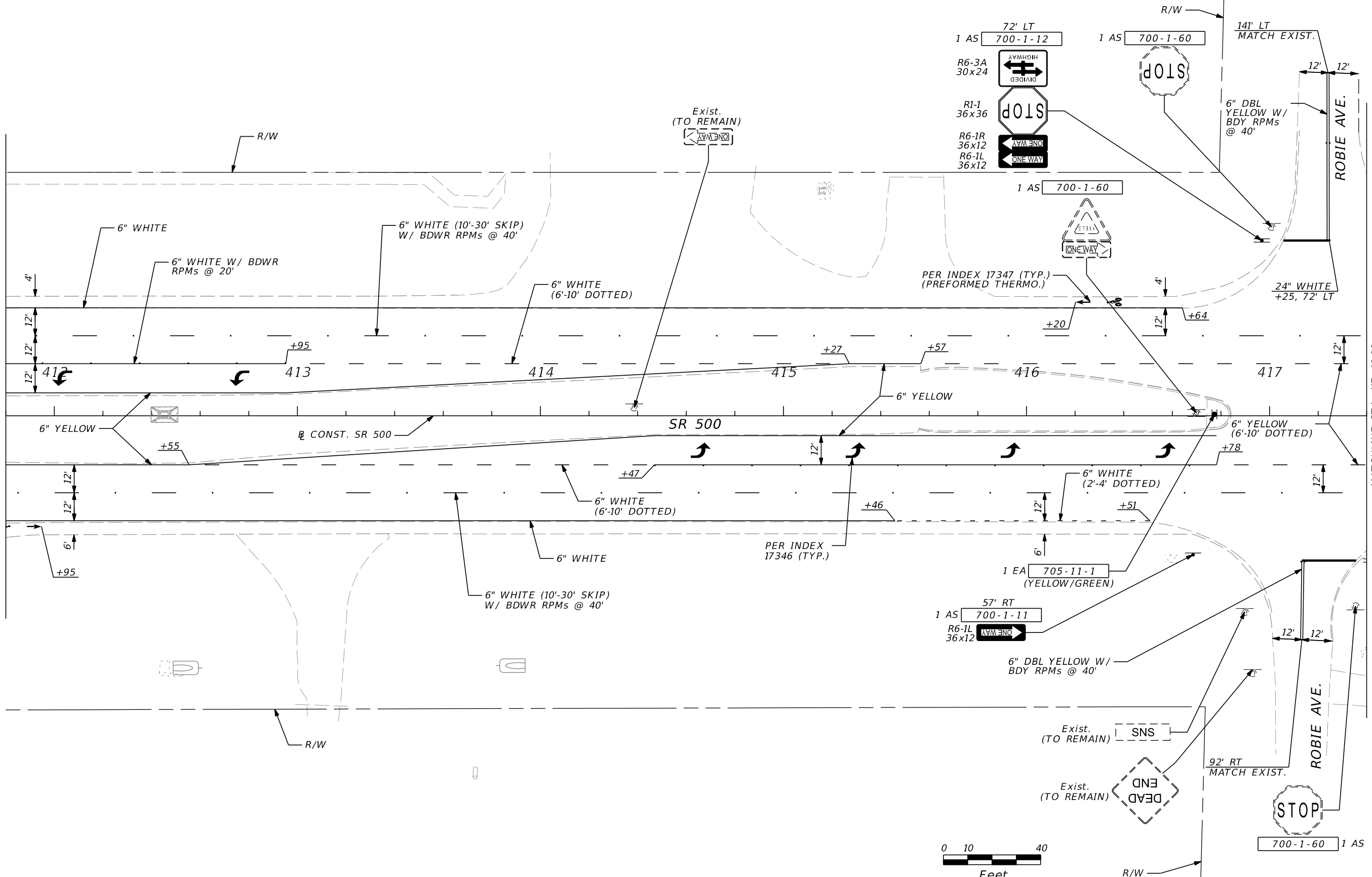
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (16)	SHEET NO. S-29
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



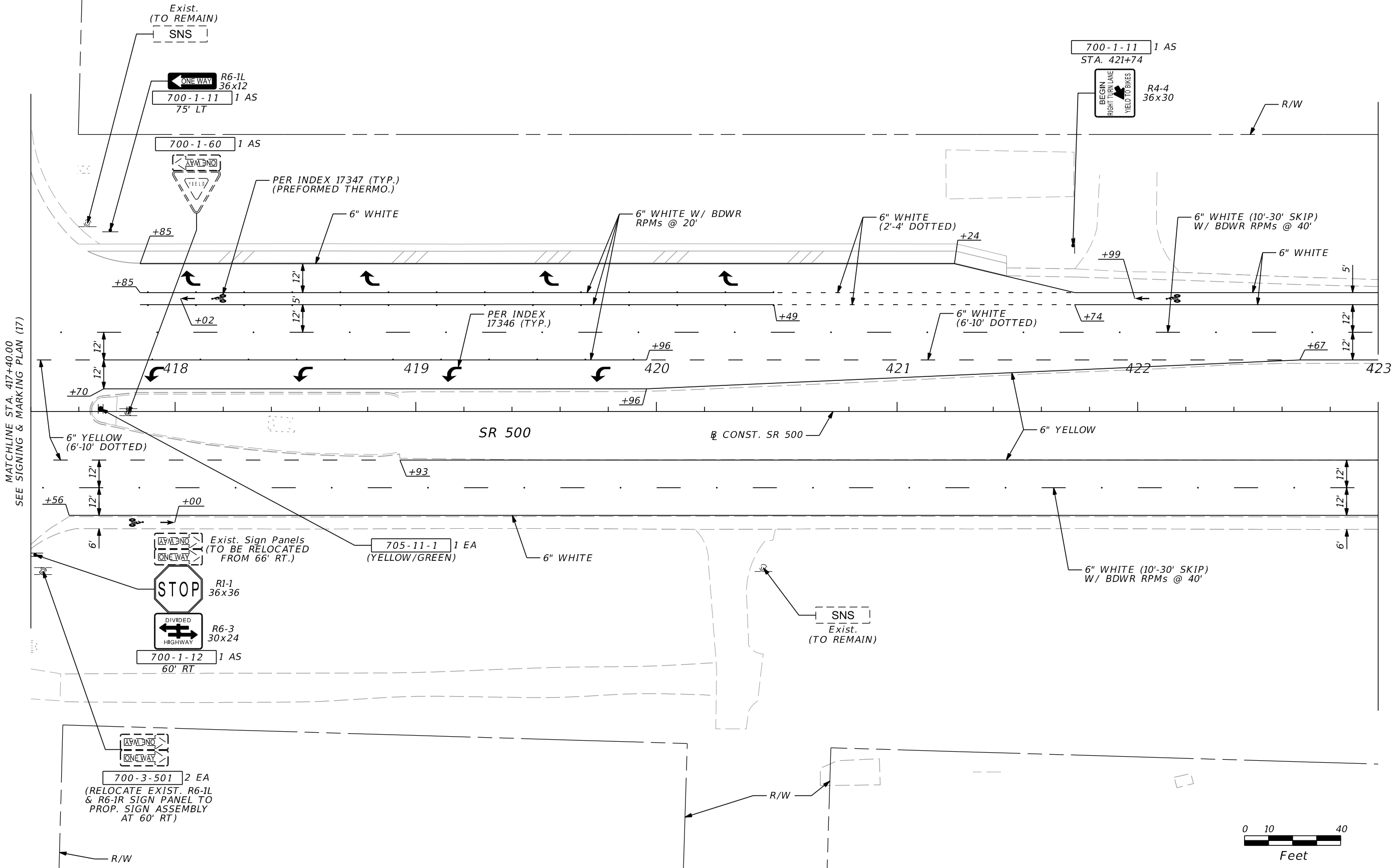
MATCHLINE STA. 411+80.00
SEE SIGNING & MARKING PLAN (16)

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



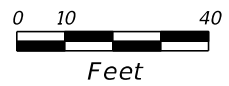
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (17)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		S-30

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



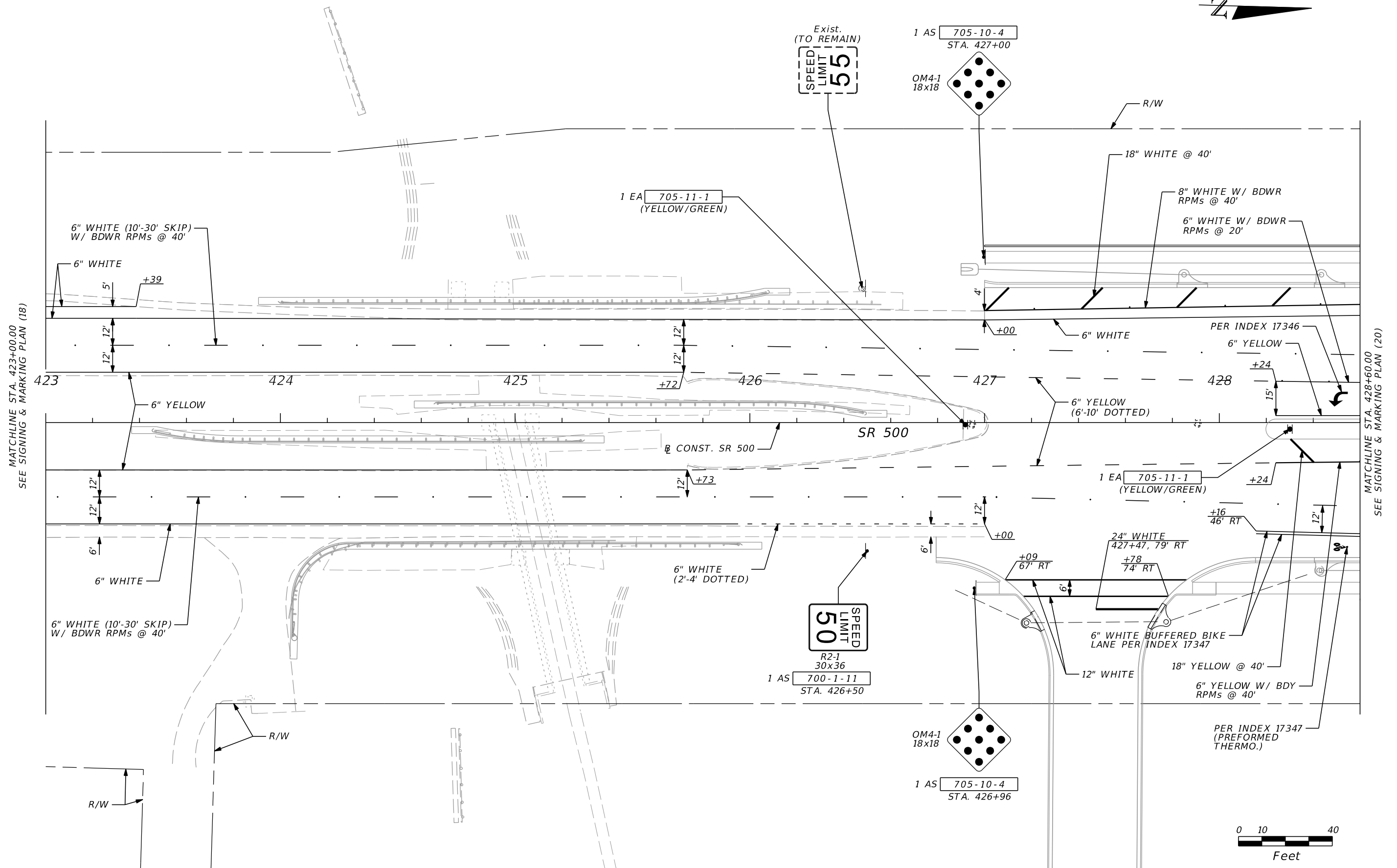
MATCHLINE STA. 417+40.00
SEE SIGNING & MARKING PLAN (17)

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



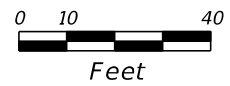
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (18)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		S-31



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

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



REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (19)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		S-32

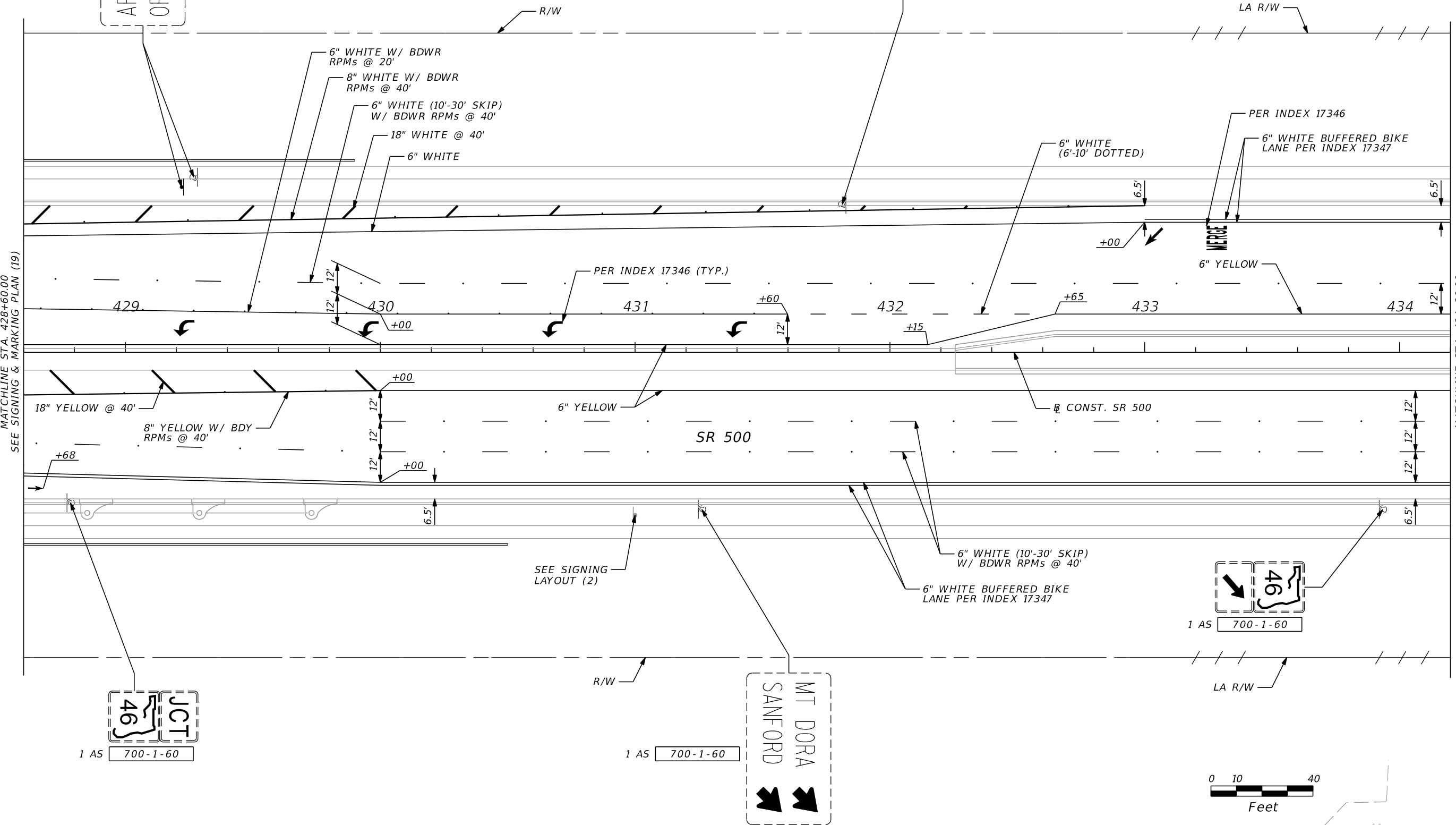
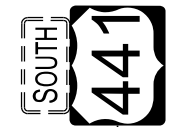
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



APOPKA
ORLANDO 23

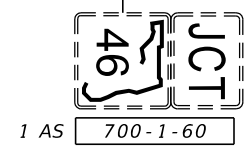
700-1-50
STA. 429+20 1 AS

1 AS 700-1-60



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

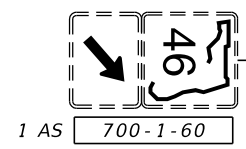
MATCHLINE STA. 434+20.00
SEE SIGNING & MARKING PLAN (21)



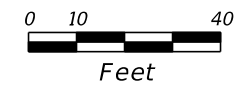
1 AS 700-1-60

MT DORA
SANFORD

1 AS 700-1-60

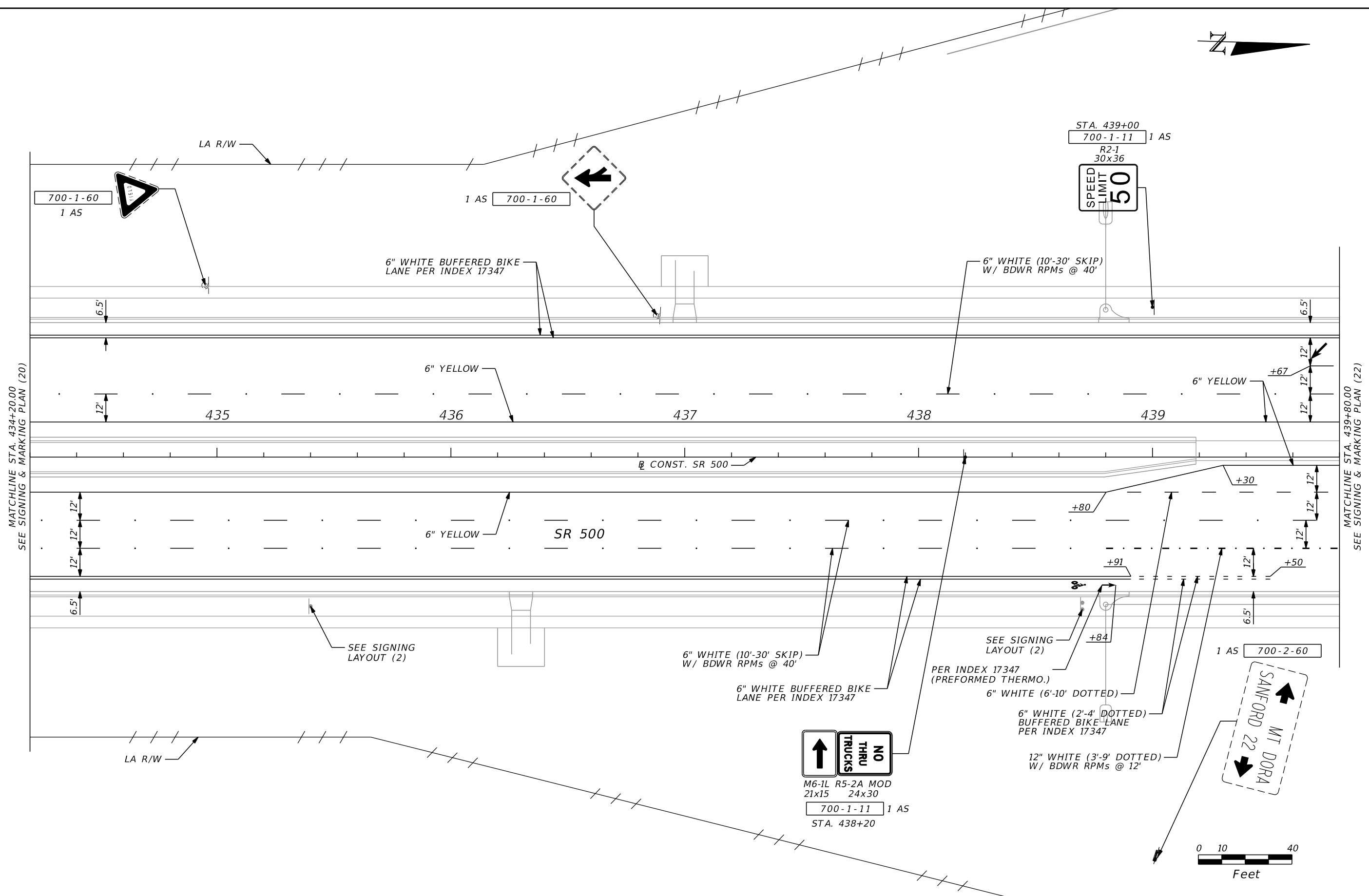


1 AS 700-1-60



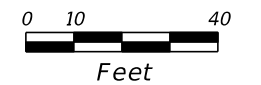
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (20)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						46	LAKE		238275-2-52-01

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



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

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



REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (21)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		S-34

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

NOTES:

1. ALL CALLOUTS ARE BASED ON \mathbb{R} 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

18" YELLOW @ 10'

+88 68' LT

7.5' R

+49

12" WHITE

+57

+79

+61

90' R

6" DBL YELLOW W/ BDY RPMs @ 10'

24" WHITE +83, 0' RT

+60

12" WHITE

+99 63' RT

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

+43 45' RT

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

6" WHITE BUFFERED BIKE LANE PER INDEX 17347

6" YELLOW

6" WHITE BUFFERED BIKE LANE PER INDEX 17347

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

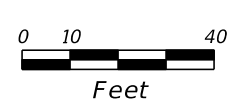
PER INDEX 17346 (TYP.)
SEE SIGNING LAYOUT (2)

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

\mathbb{R} CONST. RAMP XX

END OF SIDEWALK AHEAD

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



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

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

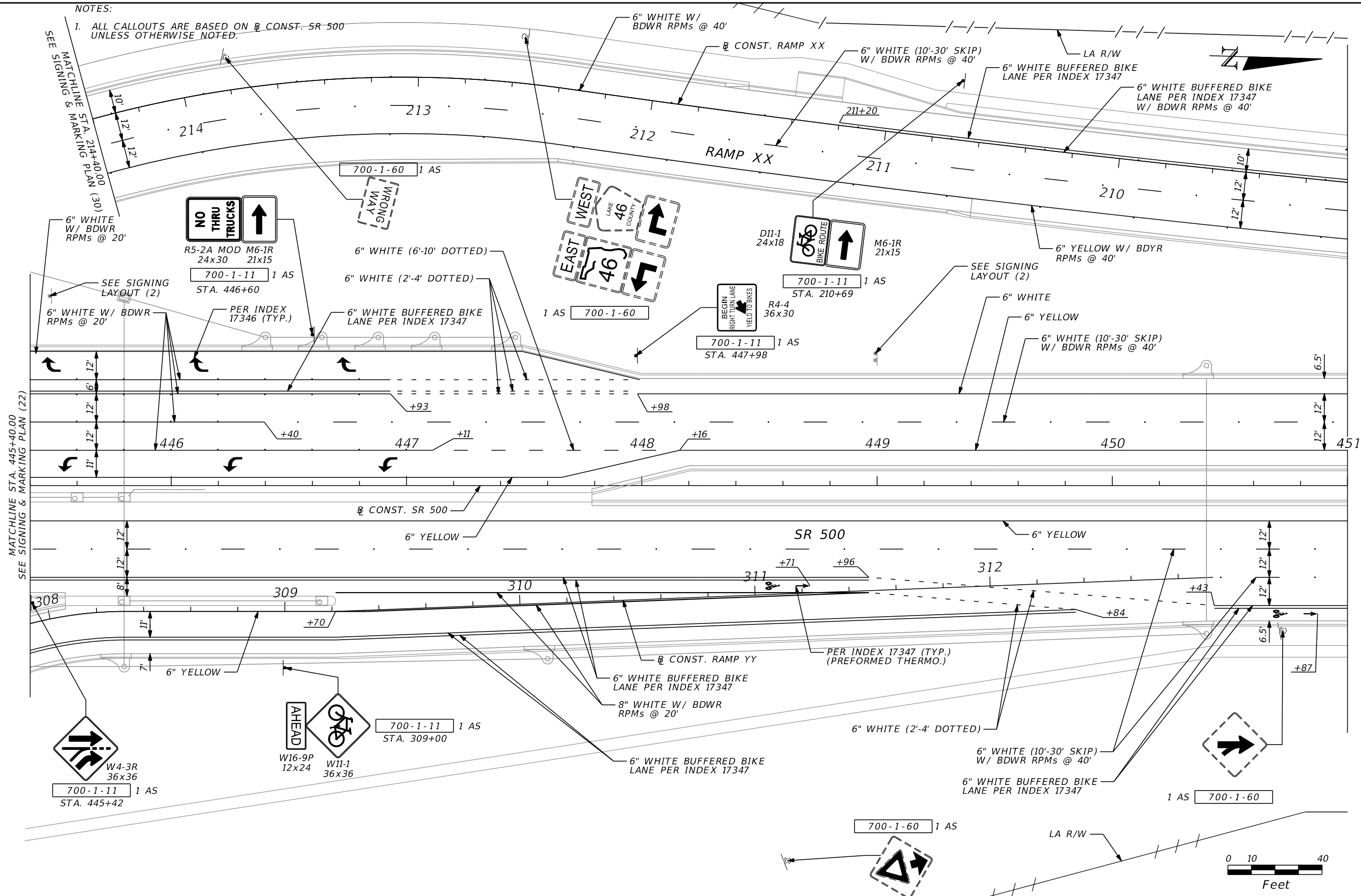
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-35
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					46	LAKE	238275-2-52-01	

**SIGNING & MARKING
PLAN (22)**

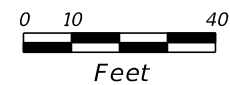
NOTES:

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



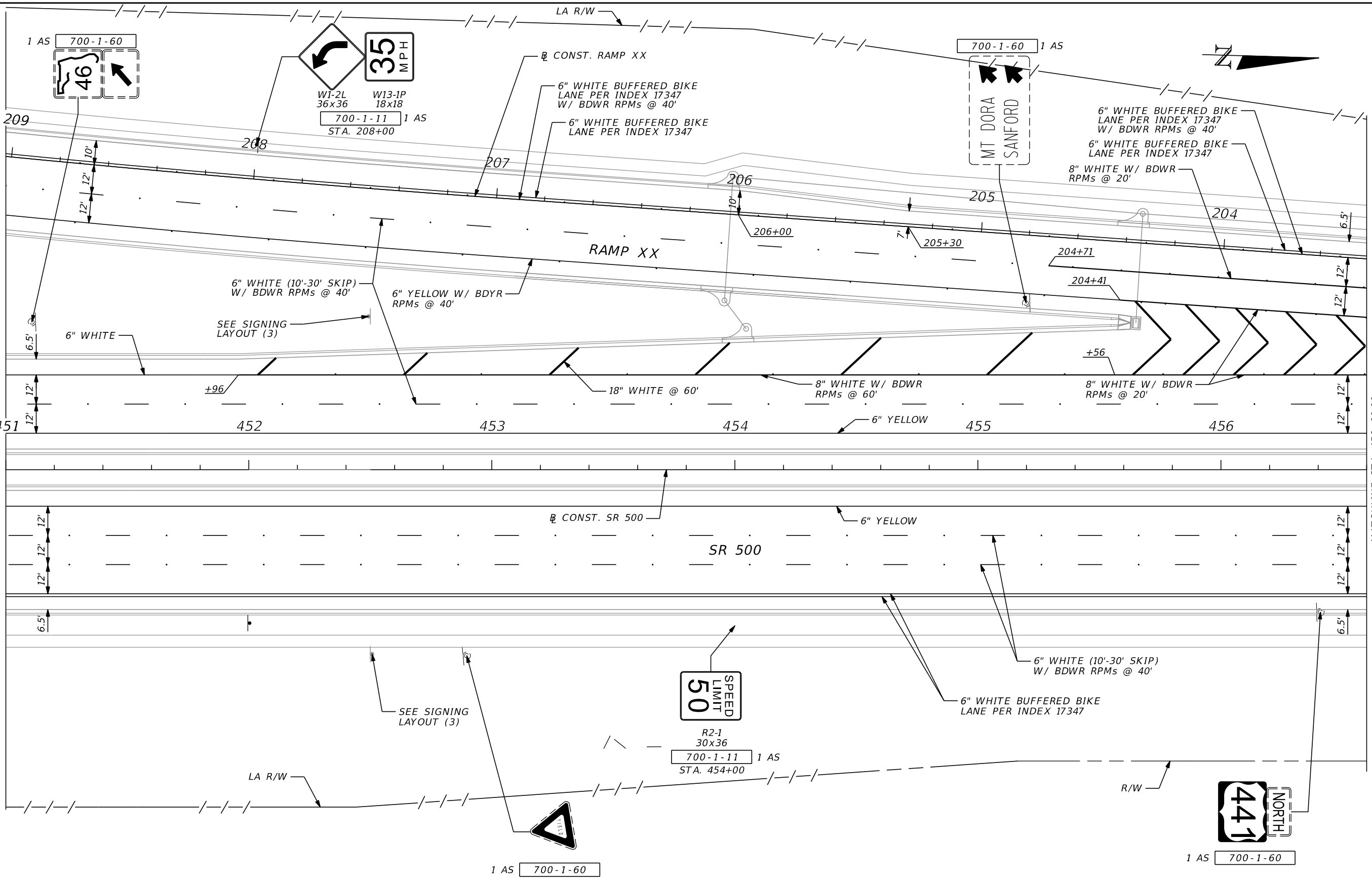
MATCHLINE STA. 445+40.00
SEE SIGNING & MARKING PLAN (22)

MATCHLINE STA. 451+00.00
SEE SIGNING & MARKING PLAN (24)



REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-36
DATE	DESCRIPTION	DATE	ROAD NO.		COUNTY	FINANCIAL PROJECT ID		
			46		LAKE	238275-2-52-01		

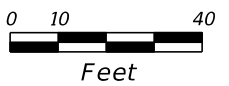
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



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

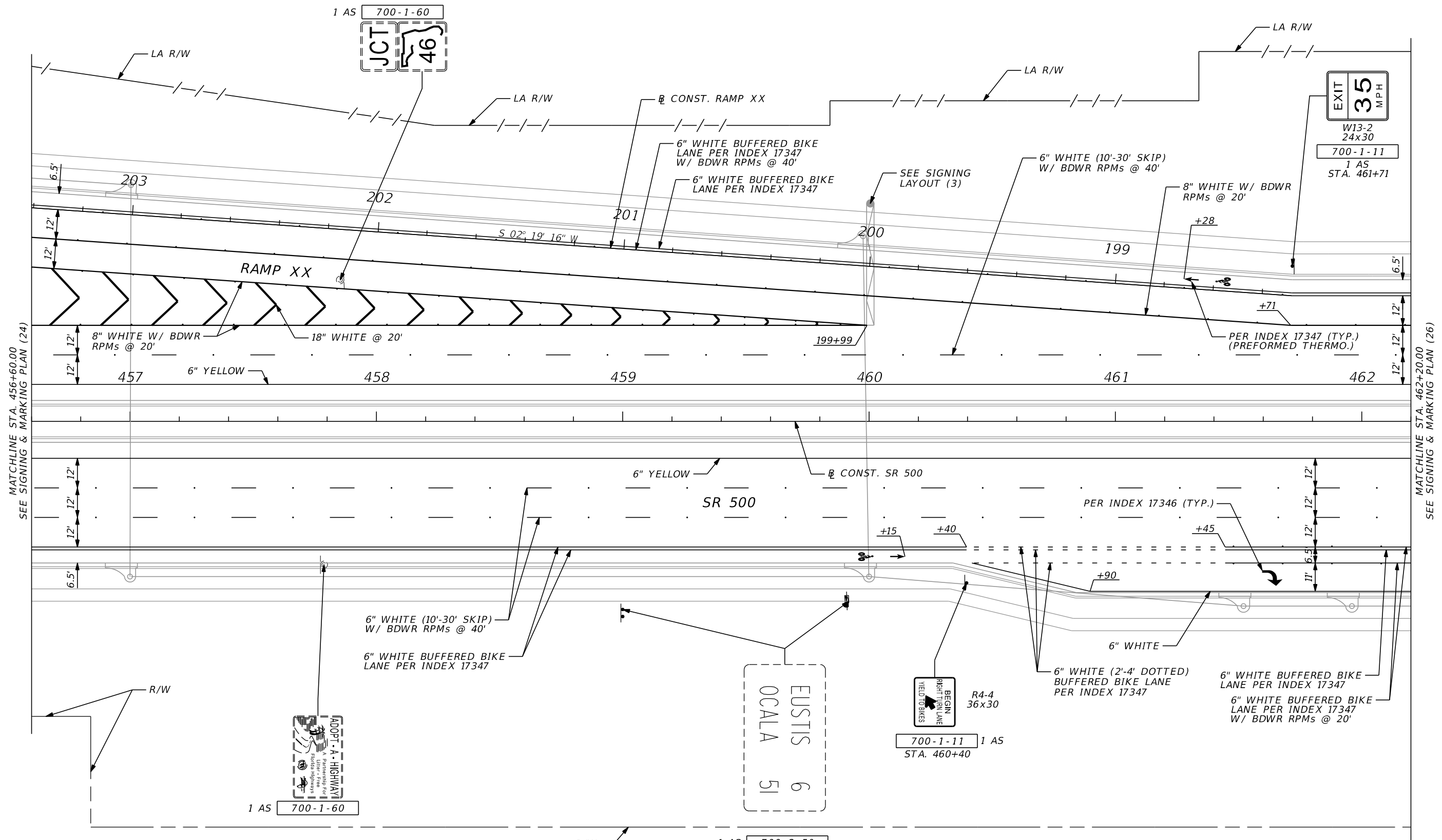
MATCHLINE STA. 456+60.00
SEE SIGNING & MARKING PLAN (25)

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



REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (24)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		S-37

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

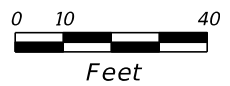


MATCHLINE STA. 456+60.00
SEE SIGNING & MARKING PLAN (24)

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

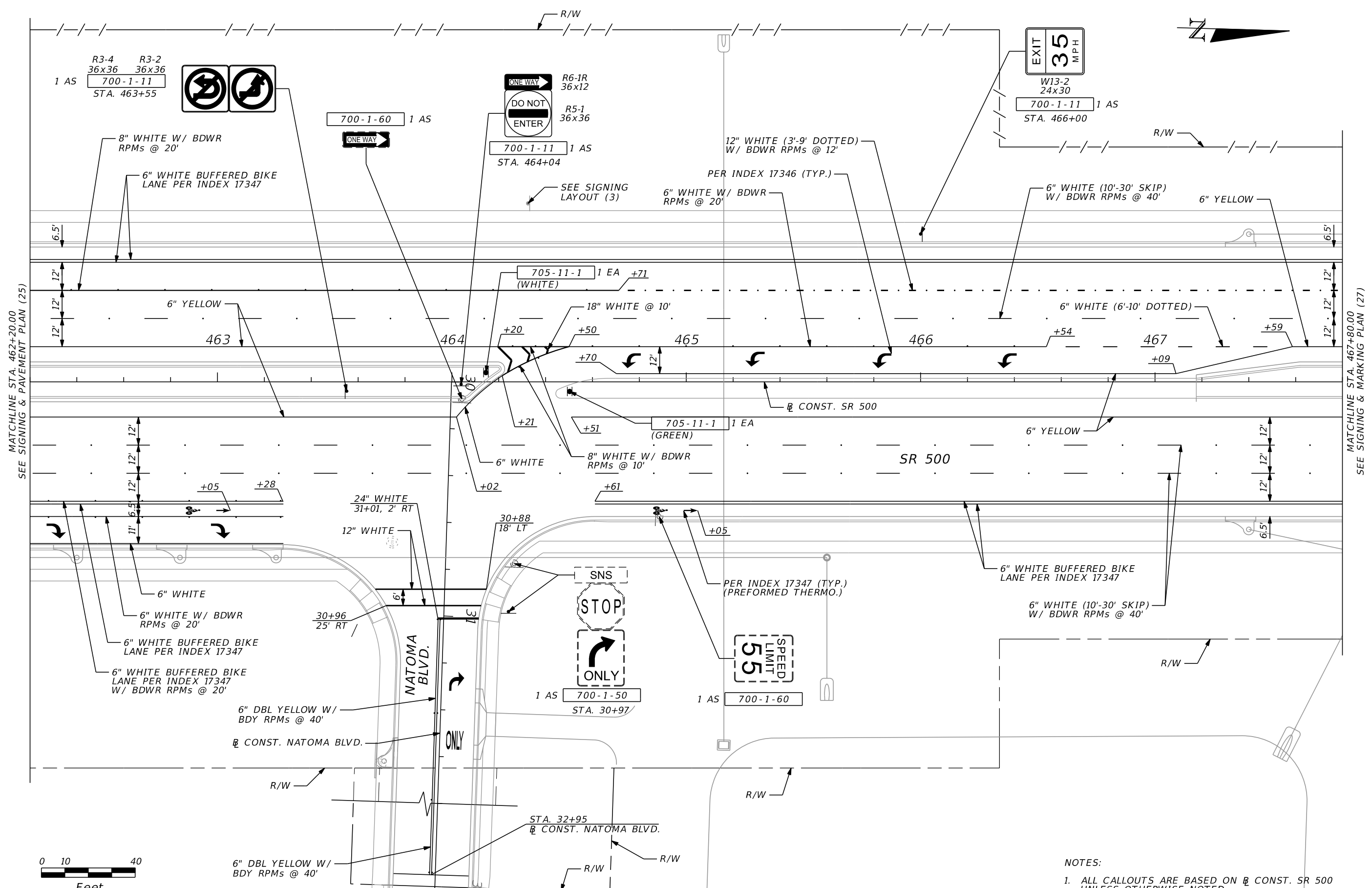
NOTES:

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



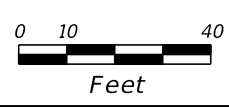
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (25)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		S-38

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



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

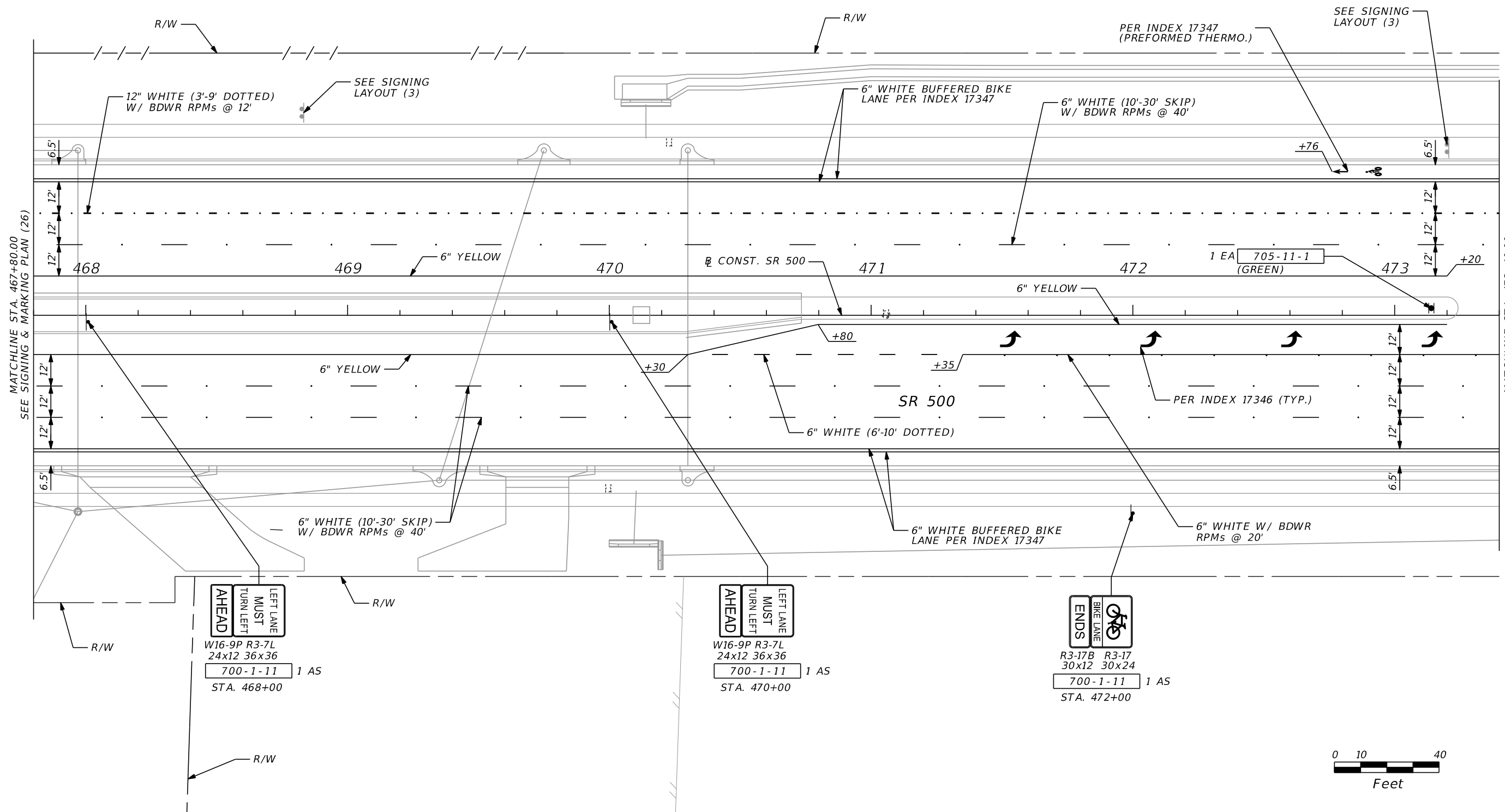
MATCHLINE STA. 467+80.00
SEE SIGNING & MARKING PLAN (27)



NOTES:
1. ALL CALLOUTS ARE BASED ON $\frac{1}{2}$ CONST. SR 500 UNLESS OTHERWISE NOTED.

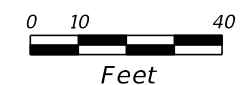
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (26)	SHEET NO. S-39
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



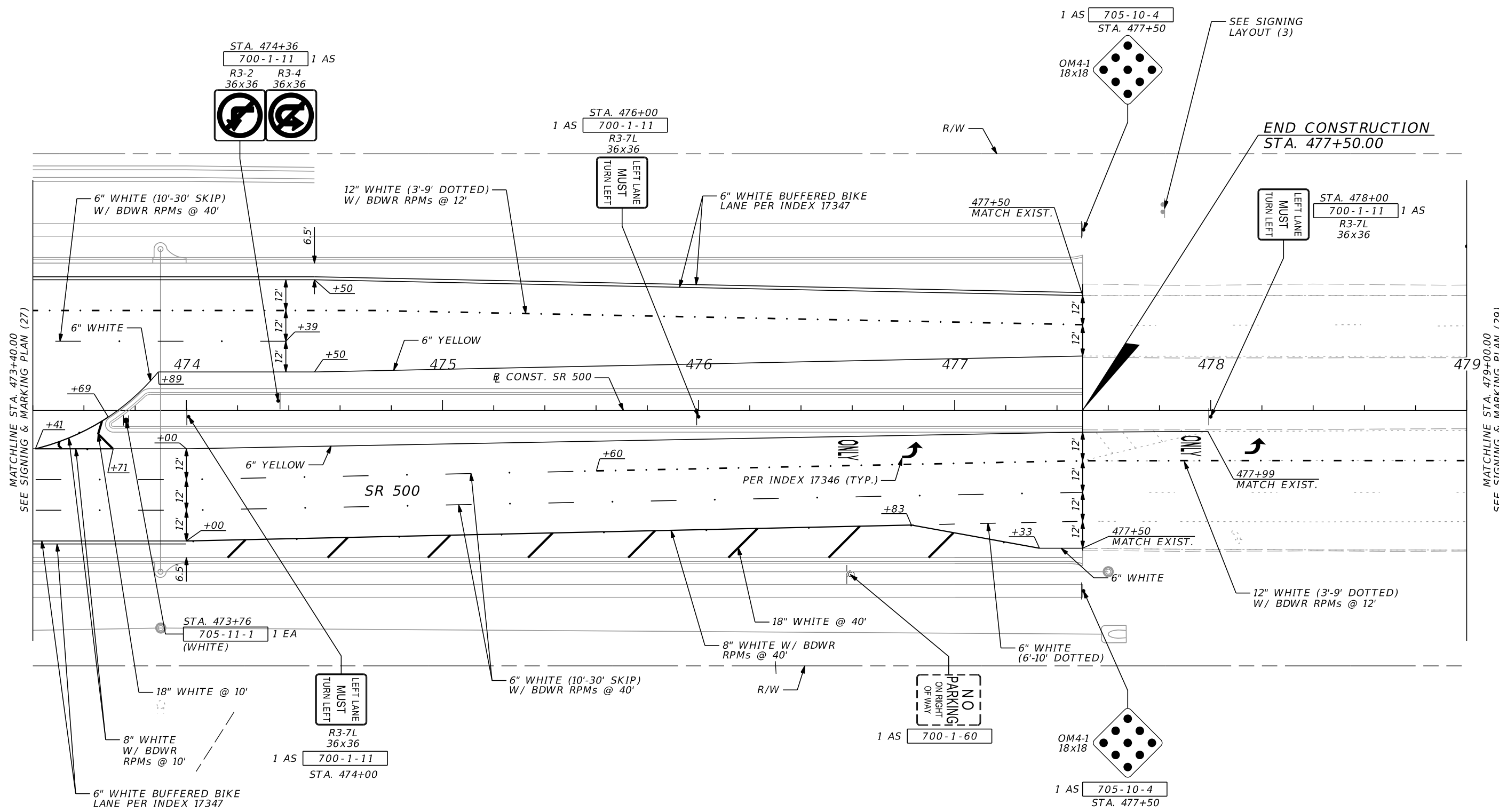
MATCHLINE STA. 467+80.00
SEE SIGNING & MARKING PLAN (26)

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

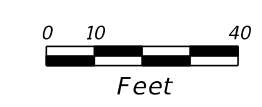


REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (27)	SHEET NO.
DATE	DESCRIPTION	DATE	ROAD NO.		COUNTY	FINANCIAL PROJECT ID	S-40		
			46		LAKE	238275-2-52-01			

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



711-17 III SF
 INCLUDES REMOVAL OF EXIST. PAVT. MARKINGS (8\"/>

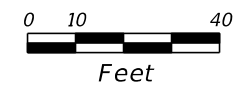
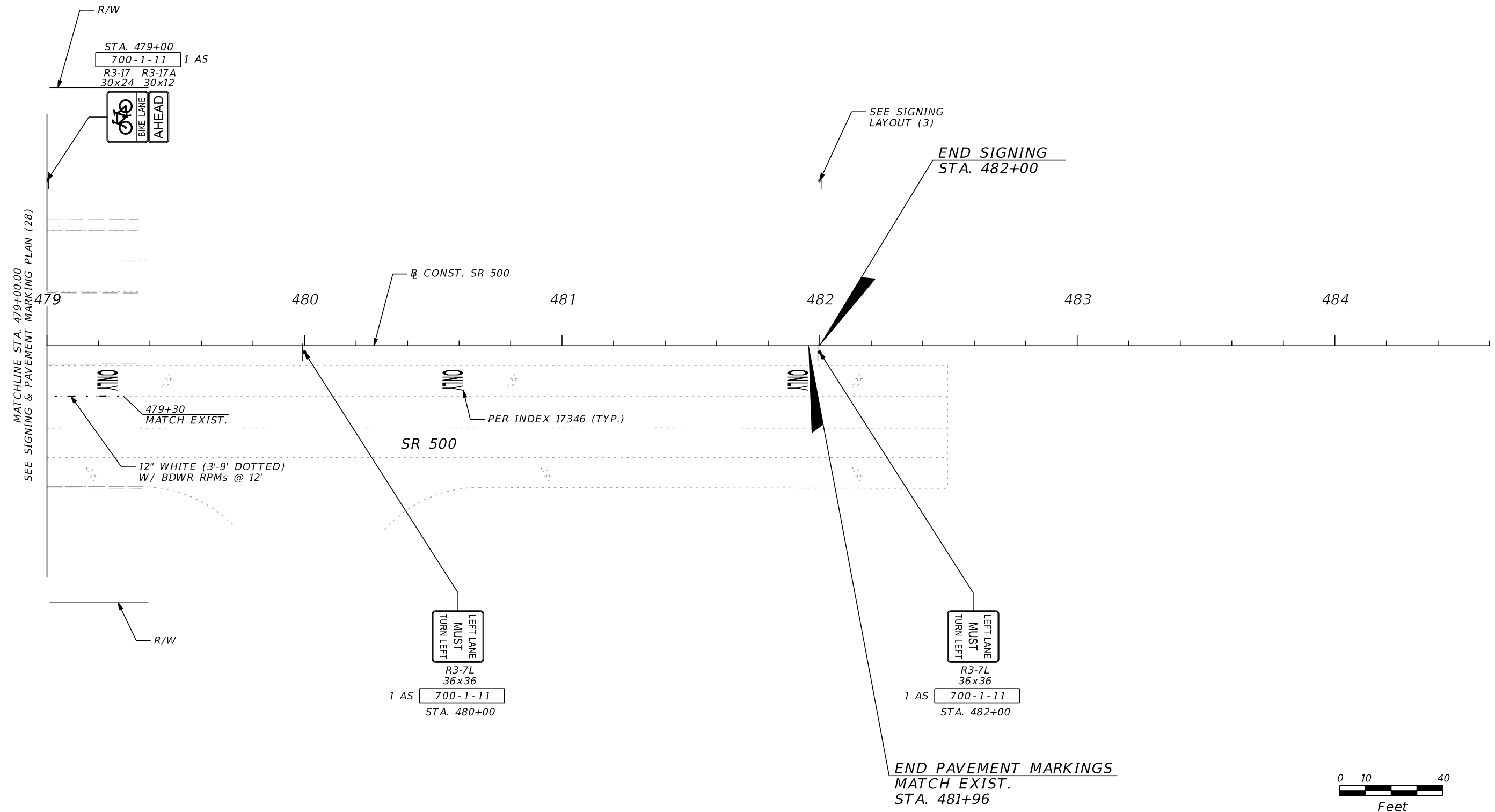


MATCHLINE STA. 473+40.00
SEE SIGNING & MARKING PLAN (27)

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

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (28)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						46	LAKE		238275-2-52-01

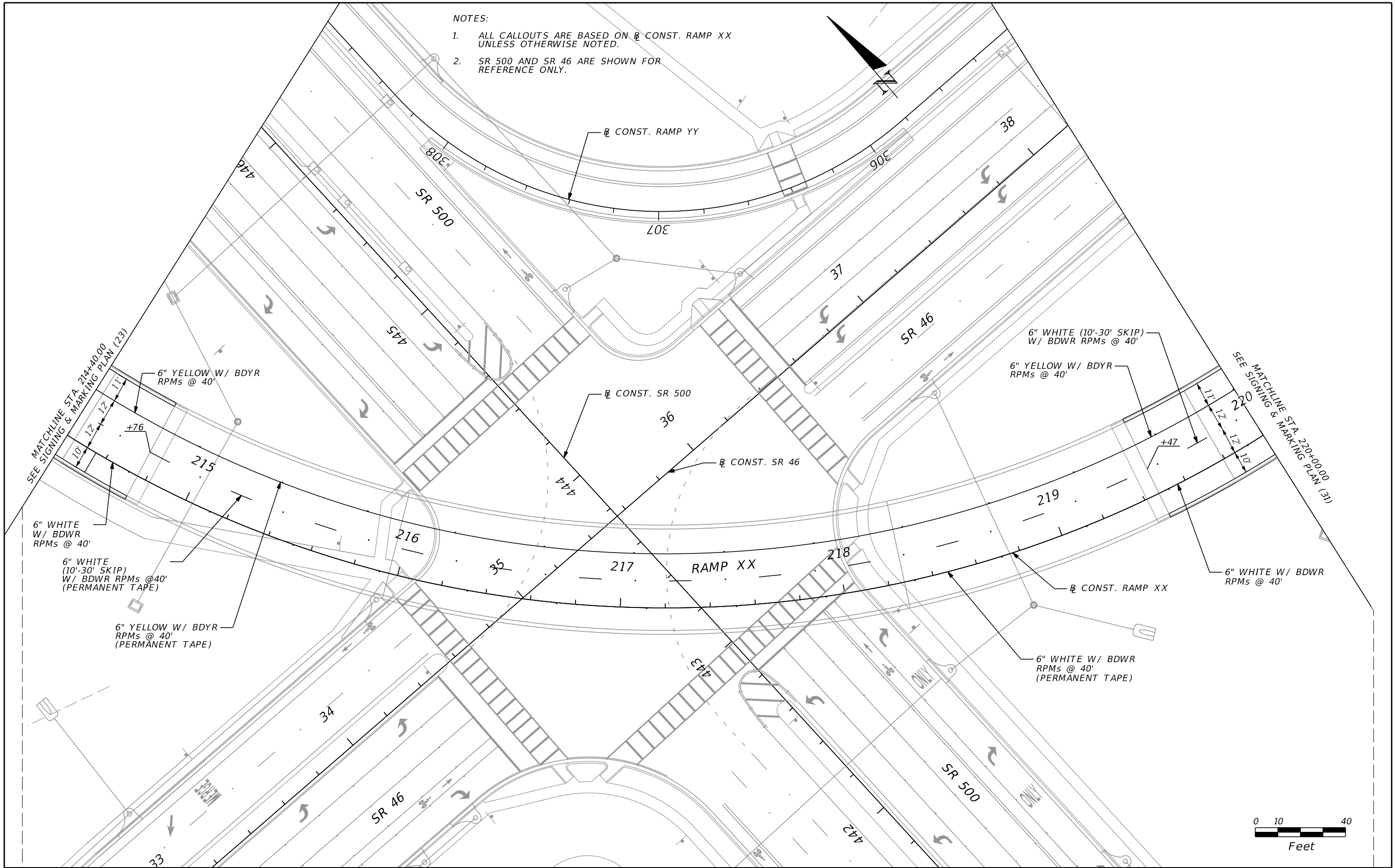


REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (29)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-42
					46	LAKE	238275-2-52-01		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

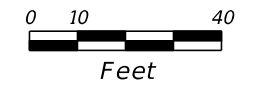
NOTES:

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



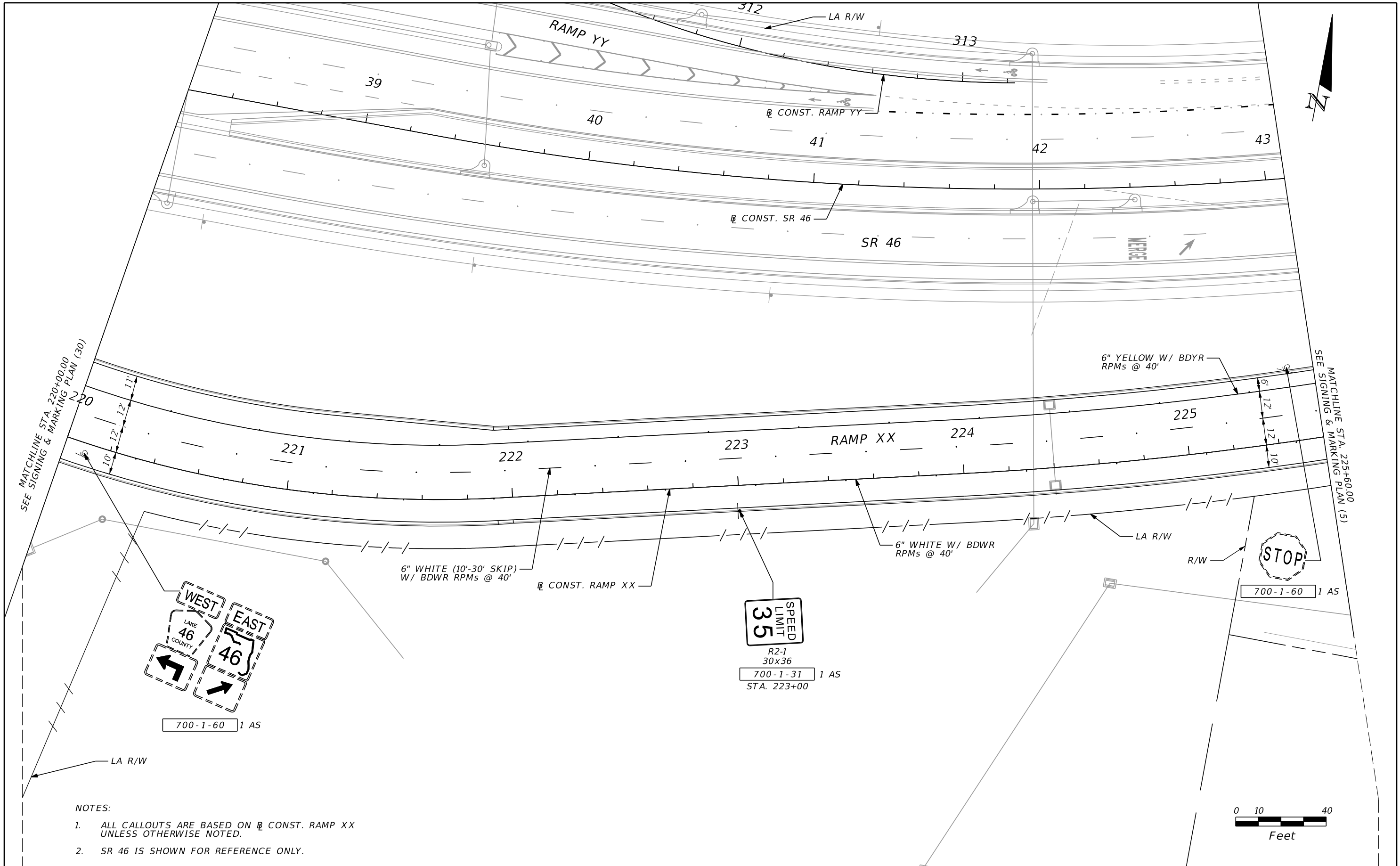
MATCHLINE STA. 214+40.00
SEE SIGNING & MARKING PLAN (23)

MATCHLINE STA. 220+00.00
SEE SIGNING & MARKING PLAN (31)



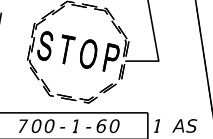
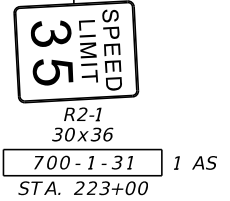
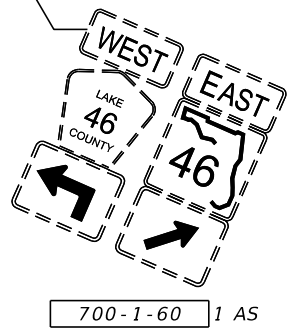
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (30)	SHEET NO. S-43
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



MATCHLINE STA. 220+00.00
SEE SIGNING & MARKING PLAN (30)

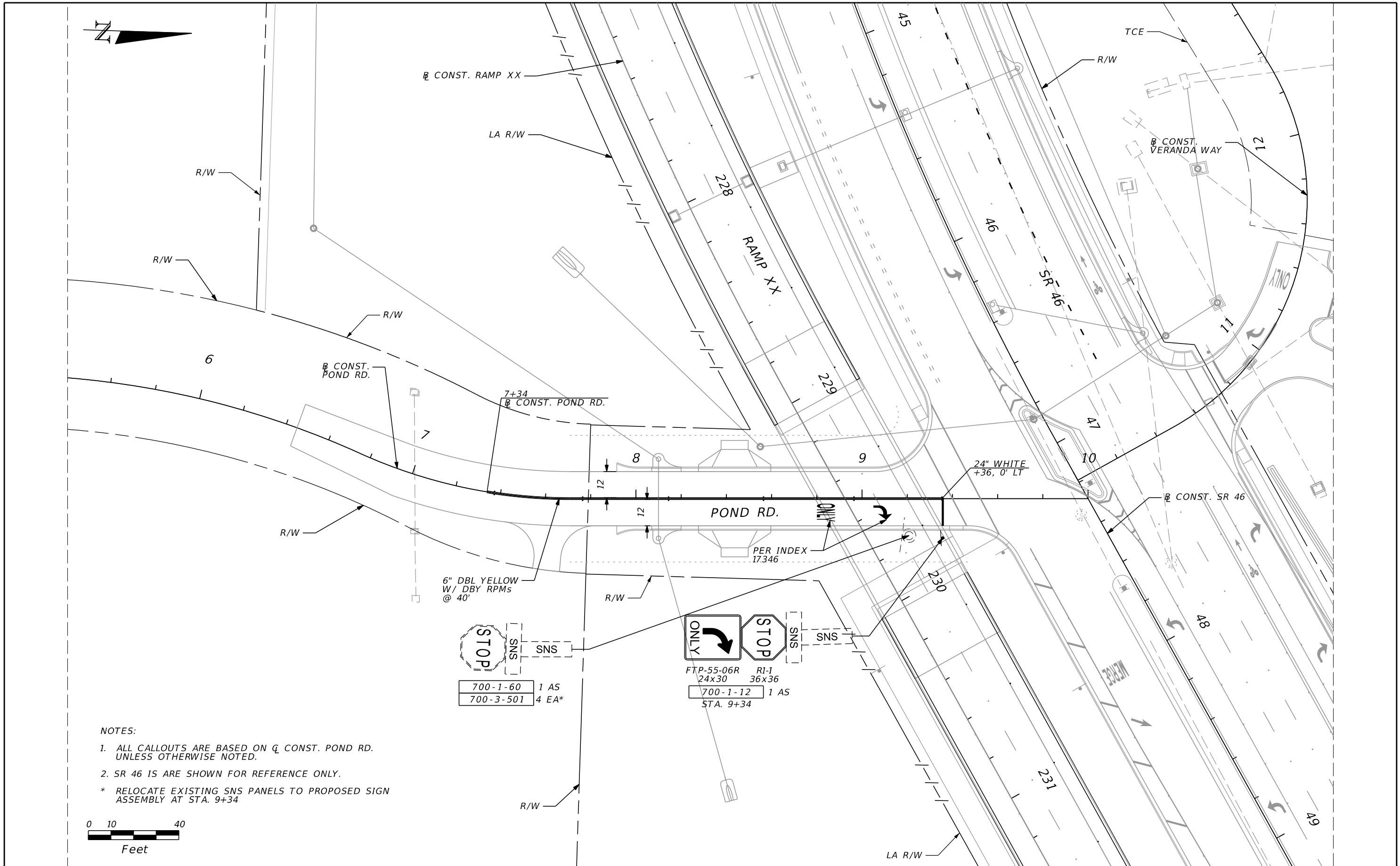
MATCHLINE STA. 225+60.00
SEE SIGNING & MARKING PLAN (5)



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

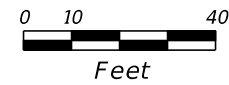
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (31)	SHEET NO. S-44
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



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



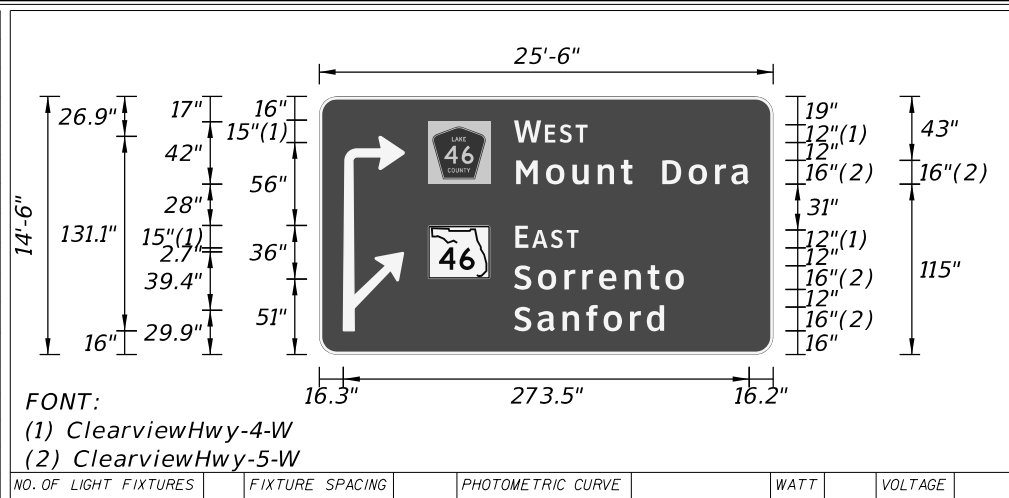
STOP	SNS	SNS	1 AS
700-1-60			4 EA*
700-3-501			

ONLY	STOP	SNS	SNS	1 AS
FTP-55-06R	R1-1			
24x30	36x36			
700-1-12				
STA. 9+34				

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING & MARKING PLAN (32)	SHEET NO. S-45
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		

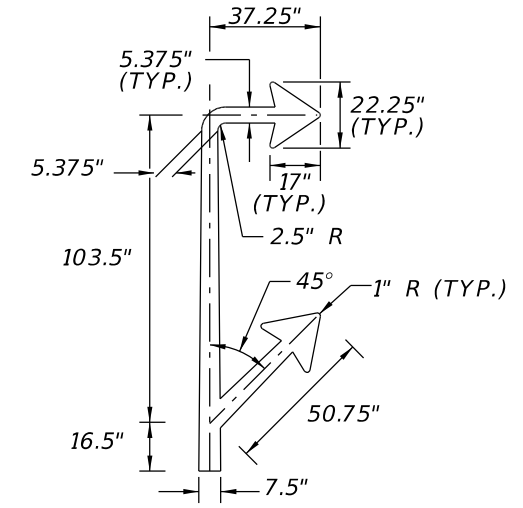
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

SIGN NAME	GM-4	QTY	SIGN NUMBER	STATION(S)	
PANEL	BORDER	1	468+82		
WIDTH	25'-6"	WIDTH	2"	2	
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.	315	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	2	18.5'	110X10.3	W 8X24	20.5'
2	2	12.3'	110X10.3	W 8X24	20.5'



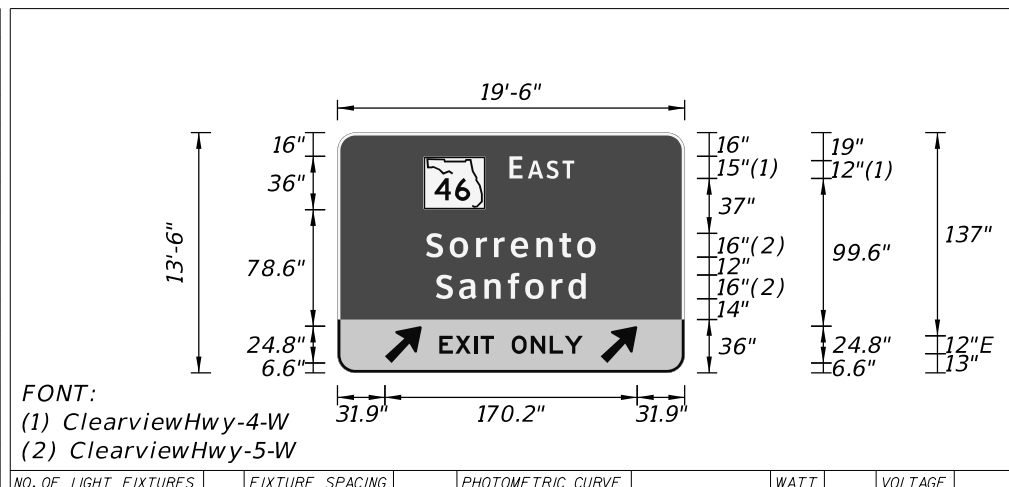
FONT:
(1) ClearviewHwy-4-W
(2) ClearviewHwy-5-W

COPY	SPACE	W	E	S	T	L
131.2	18.5	2.5	9.9	10.7	8	125.1
COPY	SPACE	M	O	U	N	T
132.6	20.3	17.8	17	15.6	7.9	20
COPY	SPACE	E	A	S	T	L
132.1	8.8	2.5	12.6	10.7	8	131.1
COPY	SPACE	S	O	R	R	E
131.4	16.1	17.8	12	11.4	17.2	15.6
COPY	SPACE	S	A	N	F	O
131.4	15.7	17	15.9	11.7	17.8	11.4
COPY	SPACE					



GM-4 ARROW DETAIL

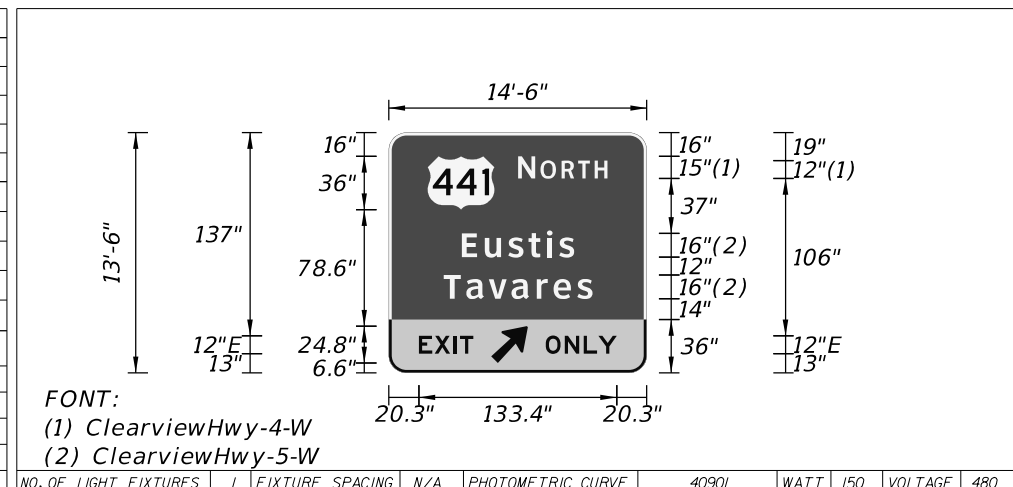
SIGN NAME	OHC-1	QTY	SIGN NUMBER	STATION(S)	
PANEL	BORDER	1	460+00 LT		
WIDTH	19'-6"	WIDTH	2"		
HEIGHT	13'-6"	RADII	12"		
LEGEND	Bk/Wht	COLOR	Wht/Bk		
COLOR	Green/Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT
F2B_2C	0	57.9	110	42	36
AR_Type A	315	31.9	6.6	20	31.5
AR_Type A	315	177.3	6.6	20	31.5
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE		AVERAGE LENGTH
			ALUMINUM	STEEL	



FONT:
(1) ClearviewHwy-4-W
(2) ClearviewHwy-5-W

COPY	SPACE	E	A	S	T	L
115.9	8.8	3.5	12.6	10.7	8	74.4
COPY	SPACE	S	O	R	R	E
59.6	16.1	17.8	12	11.4	17.2	15.6
COPY	SPACE	S	A	N	F	O
66.2	15.7	17	15.9	11.7	17.8	11.4
COPY	SPACE	E <th>X</th> <th>I</th> <th>T</th> <th>O</th>	X	I	T	O
68.7	10.7	12.8	4.2	9	12	12.8
COPY	SPACE					

SIGN NAME	OHC-2	QTY	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	315	69	6.6	20	31.5
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE		AVERAGE LENGTH
			ALUMINUM	STEEL	



FONT:
(1) ClearviewHwy-4-W
(2) ClearviewHwy-5-W

COPY	SPACE	N	O	R	T	H
87.3	11.5	3.5	14.3	11	11.3	8.6
COPY	SPACE	E <th>U</th> <th>S</th> <th>T</th> <th>I</th>	U	S	T	I
57.4	15.5	15.7	13.8	12.4	8.2	10.2
COPY	SPACE	T <th>A</th> <th>V</th> <th>A</th> <th>R</th>	A	V	A	R
47.5	15.2	15.1	15.4	17	11.4	16
COPY	SPACE	E <th>X</th> <th>I</th> <th>T</th> <th>L</th>	X	I	T	L
20.3	10.7	12.8	4.2	9	117	36.7
COPY	SPACE	O <th>N</th> <th>L</th> <th>Y</th> <th>L</th>	N	L	Y	L
105.8	12.8	12.8	10	12.2	20.3	47.9
COPY	SPACE					

DATE		DESCRIPTION		DATE		DESCRIPTION	

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

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

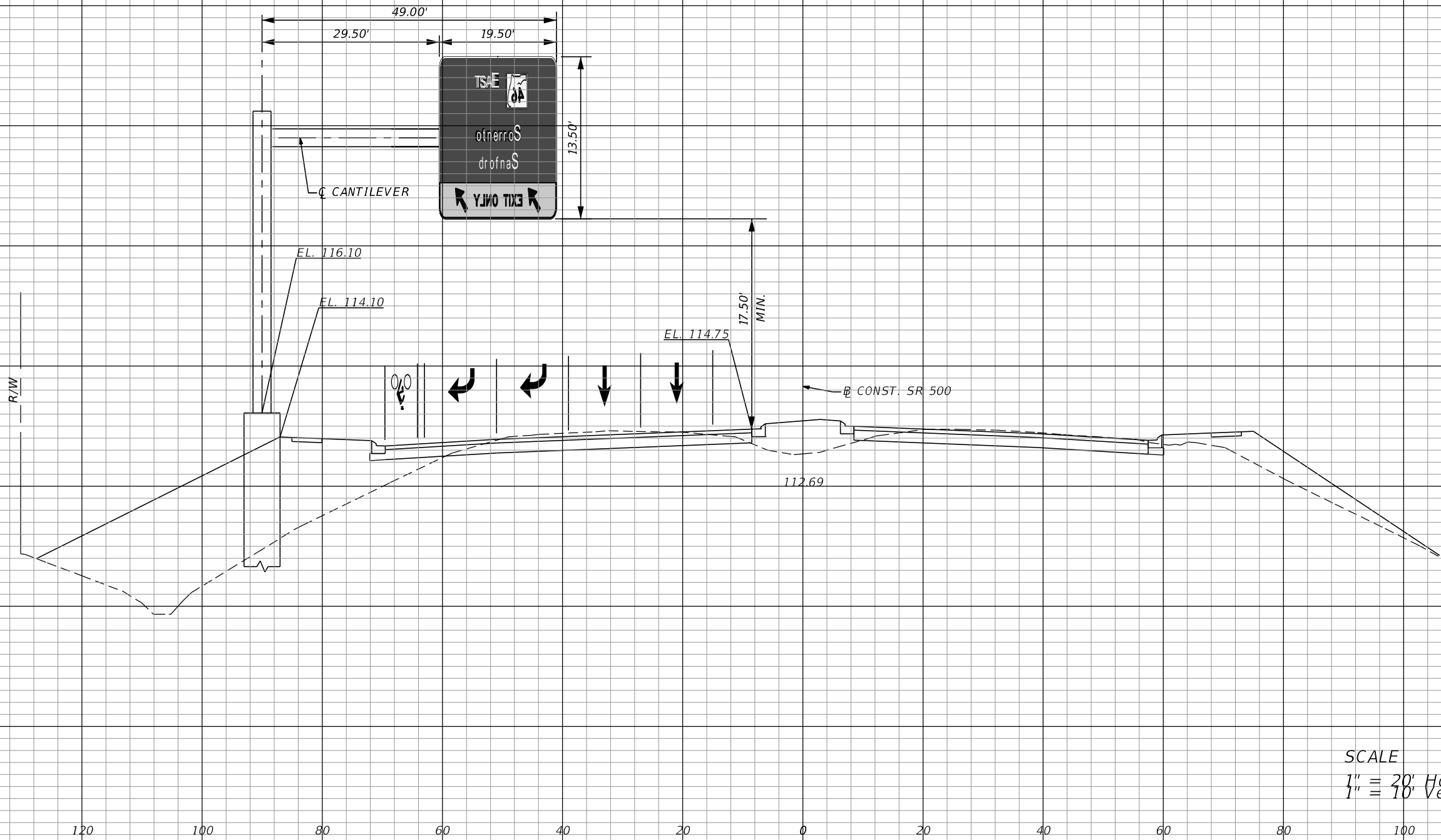
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-2-52-01

GUIDE SIGN
WORK SHEET

SHEET NO.
S-47

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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OHC-1
460+00.00

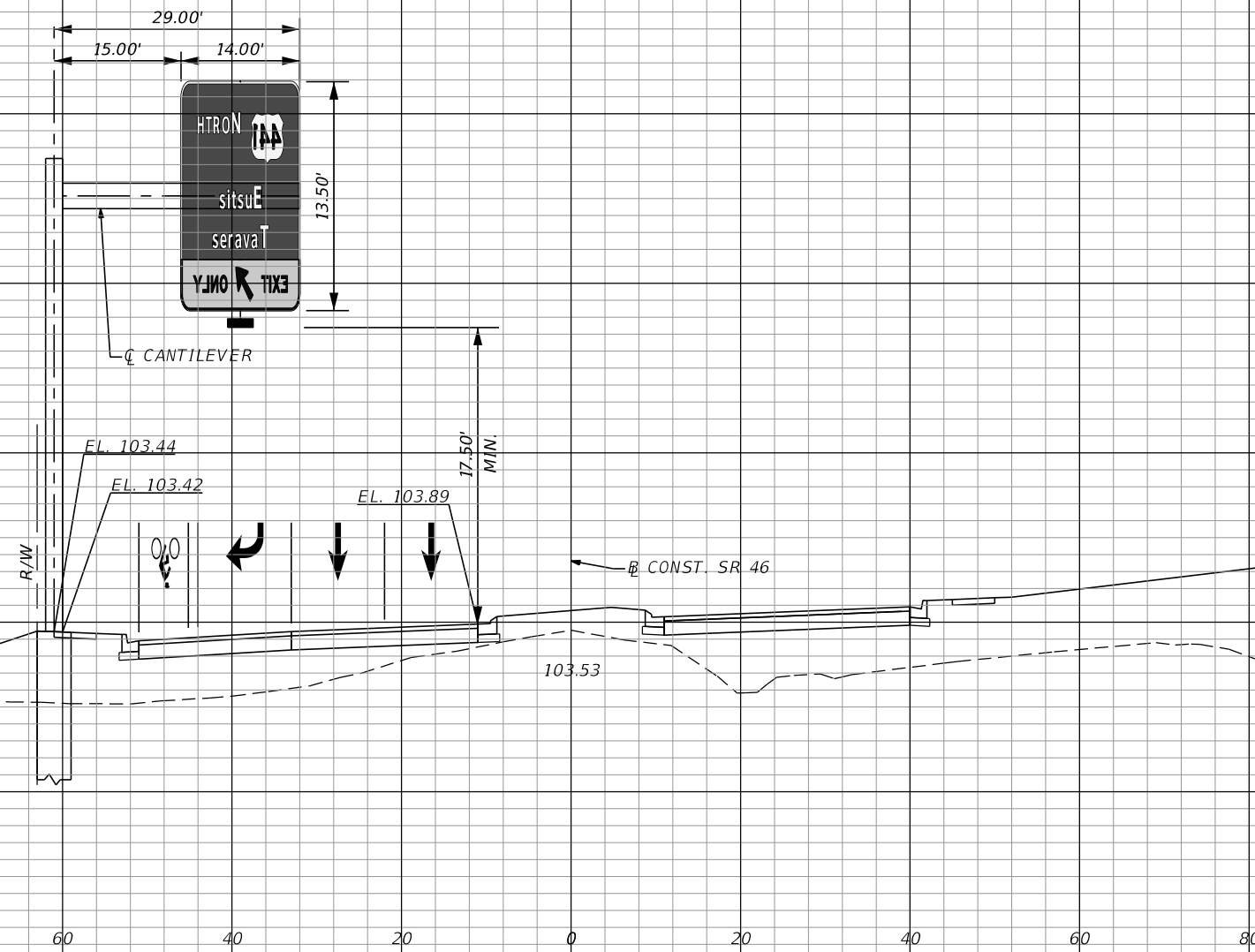
SCALE
1" = 20' Horizontal
1" = 10' Vertical

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

REVISIONS		PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 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		
				500	LAKE	238275-2-52-02		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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OHC-2
43+60.00

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

REVISIONS		PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 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		
				46	LAKE	238275-2-52-02		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, 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

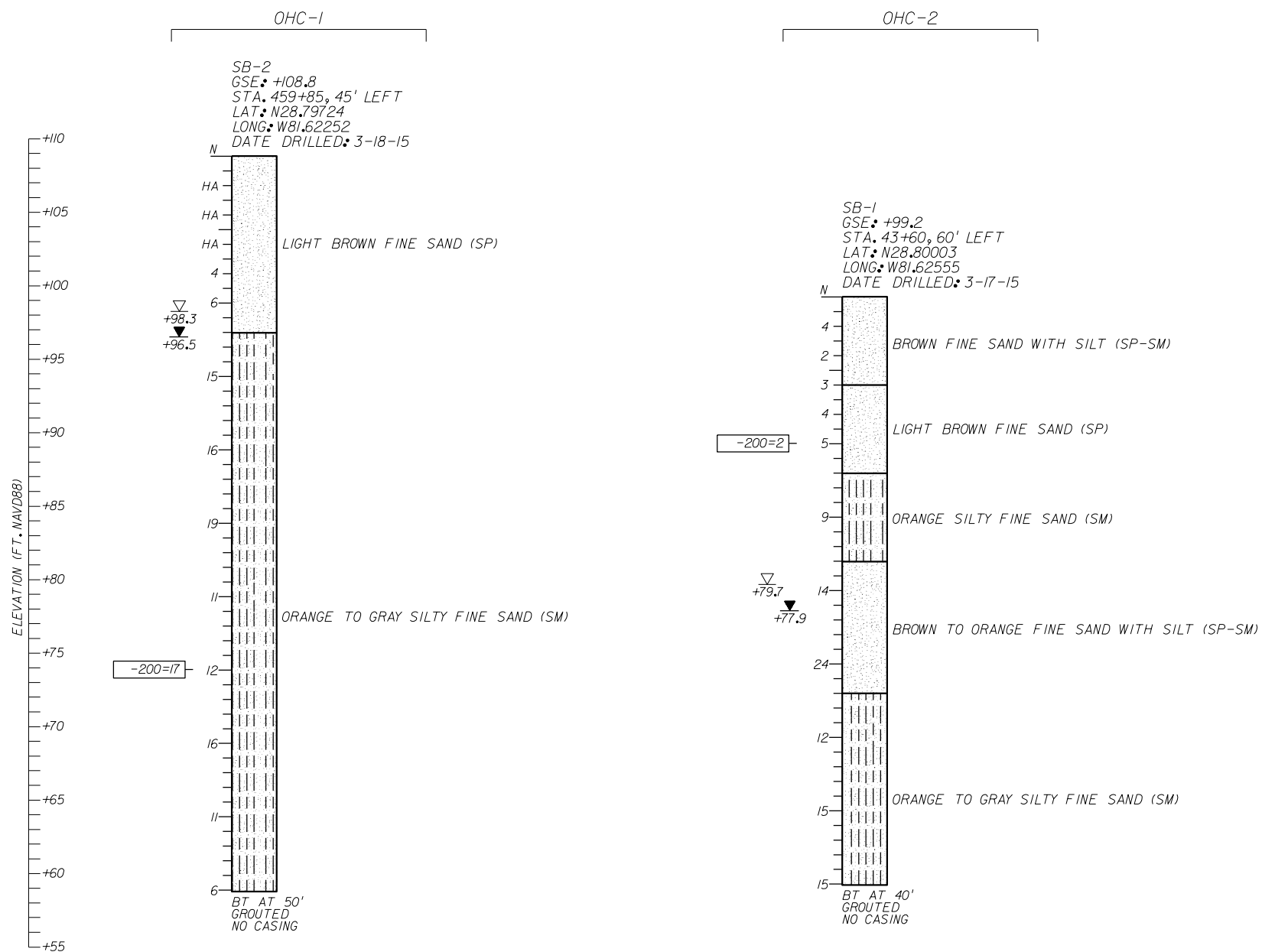
OHC-2
 Soil Type SAND
 Soil Layer Thickness = 27 ft.
 Soil Friction Angle = 29.3 deg.
 Soil Weight = 108.2 pcf
 Design Water Table is 0 ft. below surface

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	ft	in	ft	in	in	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					
	in	#	in	in	ft	in	in	in	in	in	ft	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	

REVISIONS						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			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	CANTILEVER SIGN STRUCTURE DATA TABLE		
								46	LAKE	238275-2-52-01	WEKIVA PARKWAY US 441 FLYOVER RAMP XX MSE WALLS		SHEET NO.
												S-51	

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, 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.

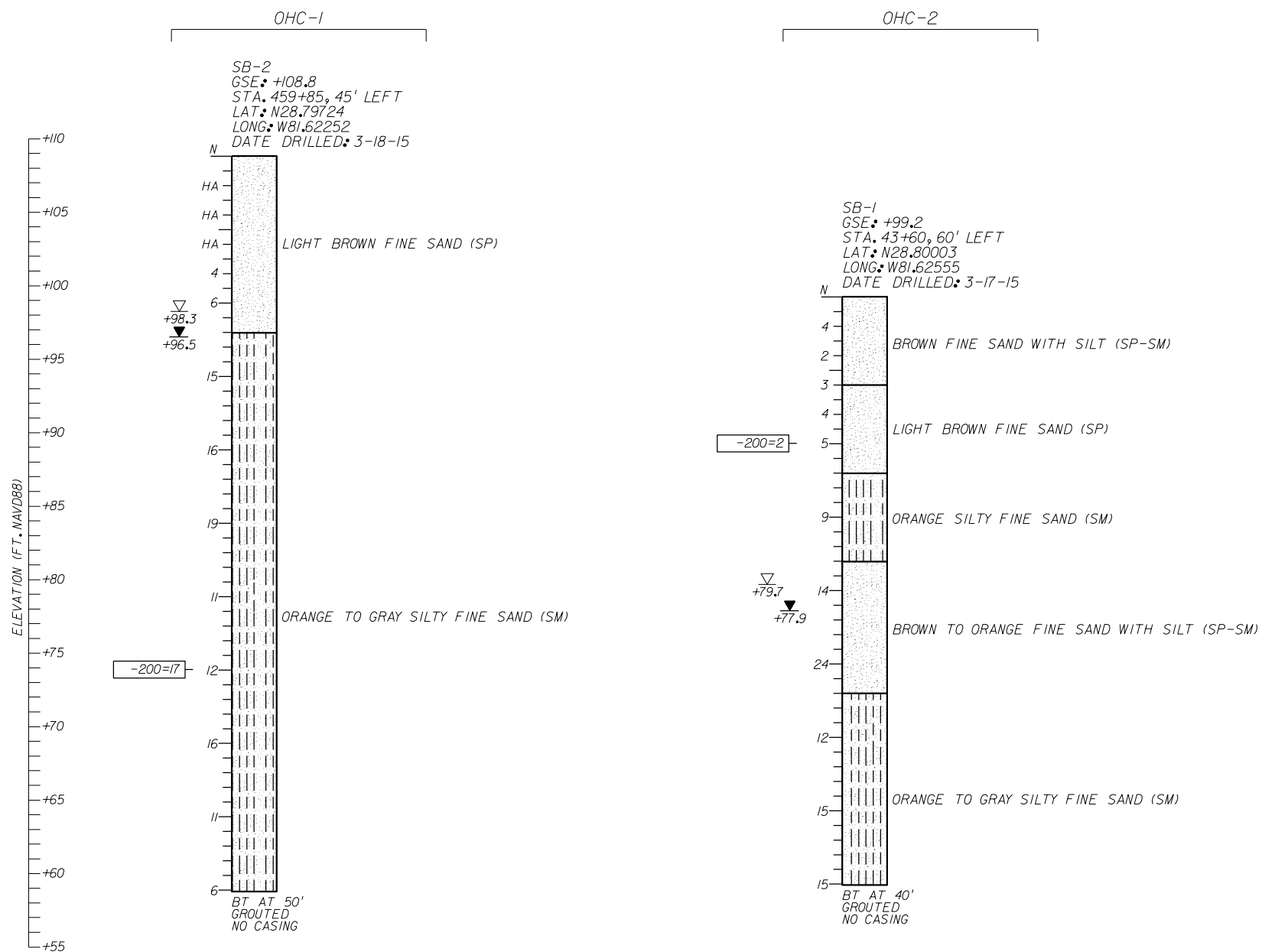
SPLIT SPOON SAMPLER: AVERAGE HAMMER DROP: 30 IN.
 INSIDE DIAMETER: 1.375 IN. HAMMER WEIGHT: 140 LBS.
 OUTSIDE DIAMETER: 2.0 IN. HAMMER TYPE: AUTOMATIC

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				GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. (GEC) 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 CRAIG G. BALLOCK P.E. 71571	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			REPORT OF SPT BORING RESULTS FOR CANTILEVER SIGN STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		S-52



LEGEND

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- ▼ +77.9 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) 24 HRS. AFTER DRILLING BORING
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SOILS LEGEND

- SAND
- SAND AND SILT

GENERAL NOTES

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 INSIDE DIAMETER: 1.375 IN. HAMMER WEIGHT: 140 LBS.
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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				GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. (GEC) 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 CRAIG G. BALLOCK P.E. 71571	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			REPORT OF SPT BORING RESULTS FOR CANTILEVER SIGN STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		S-52

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.