

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

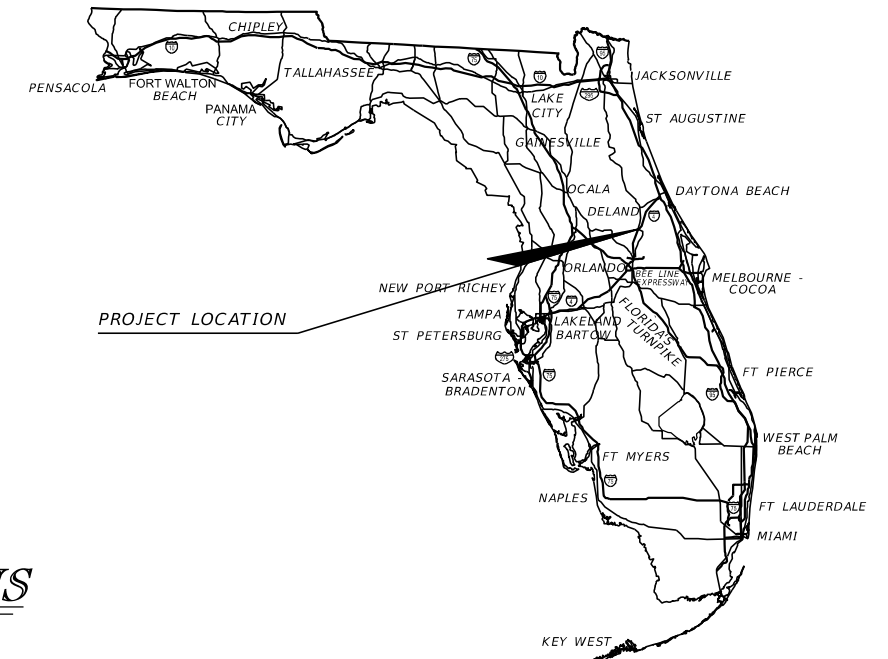
FINANCIAL PROJECT ID 240200-2-52-01

(FEDERAL FUNDS)

SEMINOLE COUNTY (77320)

STATE ROAD NO. 429 (WEKIVA PARKWAY SECTION 7A)

SIGNING AND PAVEMENT MARKING PLANS



INDEX OF SIGNING AND PAVEMENT MARKING PLANS

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SIGNING AND PAVEMENT MARKING
SHOP DRAWINGS TO BE SUBMITTED TO:

CHRIS J. WALSH, P.E. PE No. 57626
Traffic Engineering Data Solutions, Inc.
80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778

PLANS PREPARED BY:

TRAFFIC ENGINEERING DATA SOLUTIONS, INC.
80 SPRING VISTA DRIVE
DEBARY, FLORIDA 32720
386.753.0558 (O) 386.753.0778 (F)

CONTRACT NO. C9B55
VENDOR NO. F-208375642001
CERTIFICATION OF AUTHORIZATION # 27392

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

100% SUBMITTAL
OCTOBER 2015

KEY SHEET REVISIONS	
DATE	DESCRIPTION

SIGNING AND PAVEMENT MARKING PLANS
ENGINEER OF RECORD: CHRIS J. WALSH, P.E.

P.E. NO.: 57626

FISCAL YEAR	SHEET NO.
18	S-1

FDOT PROJECT MANAGER: KEVIN MOSS, P.E.

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		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
700-1-11	SINGLE POST SIGN, F&I, GROUND MOUNT, <12 SF	AS	6		2				1								9			
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12 - 20 SF	AS						1							1		2			
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21 - 30 SF	AS						1									1			
700-1-21	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, < 12 SF	AS													2		2			
700-1-22	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 12 - 20 SF	AS			1												1			
700-1-50	SINGLE POST SIGN, RELOCATE	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																		
700-3-202	SIGN PANEL, F&I, OVERHEAD MOUNT, 12 - 20 SF	EA																		
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21 - 30 SF	EA							1		1						2			
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51 - 100 SF	EA																		
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101 - 200 SF	EA							1								1			
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201 - 300 SF	EA									1						1			
700-4-112	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 21-30 FT	EA							1								1			
700-4-113	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 31-40 FT	EA																		
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT	EA									1						1			
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA																		
705-11-2	DELINEATOR, NON-FLEXIBLE	EA																		
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																		
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																		
*	W-R	EA			48		122		155		111		36		53		525			
*	Y-R	EA							5		19				34		58			
*	Y-Y	EA	35		74												109			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	NM	0.225		0.852		0.277		0.857		0.978		0.277		0.813		4			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF			112		133		2078		932						3255			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF							19		8						27			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF			24												24			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM	0.006				0.221		0.014								0			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM			0.558		0.560		0.547		0.591		0.561		0.558		3			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/6-10 DOT EXT. 6"	LF																		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	LF																		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA																		
*	BIKE SYMBOL														1		1			
*	MERGE																			
*	ONLY																			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS	EA																		
*	BIKE ARROW														1		1			
*	DIRECTIONAL ARROW																			
*	MERGE ARROW																			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, YIELD LINE	LF																		
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	NM	0.226		0.916		0.277		0.580		0.705		0.276		0.709		4			
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF													327		327			
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF																		

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

REVISIONS				CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO. S-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL			
			S-18		S-19		S-20		S-21		S-22		S-23		S-24		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, GROUND MOUNT, <12 SF	AS			6		2			2		1				11				
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12 - 20 SF	AS			1			2								3				
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21 - 30 SF	AS						1								1				
700-1-21	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, < 12 SF	AS																		
700-1-22	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 12 - 20 SF	AS																		
700-1-50	SINGLE POST SIGN, RELOCATE	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																		
700-3-202	SIGN PANEL, F&I, OVERHEAD MOUNT, 12 - 20 SF	EA																		
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21 - 30 SF	EA						1		1						2				
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51 - 100 SF	EA																		
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101 - 200 SF	EA						1								1				
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201 - 300 SF	EA								1						1				
700-4-112	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 21-30 FT	EA						1								1				
700-4-113	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 31-40 FT	EA								1						1				
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT	EA																		
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA																		
705-11-2	DELINEATOR, NON-FLEXIBLE	EA																		
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																		
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																		
*	W-R	EA	37		36		150		147		115		45		37		567			
*	Y-R	EA							49		52		37				138			
*	Y-Y	EA			46												46			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	NM	0.277		0.782		0.830		0.976		0.801		0.830		0.276		4.772			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF			198		2345		1696		575						4814			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF							25								25			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF			31						26						57			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM									0.251		0.005				0.256			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM	0.547		0.552		0.562		0.558		0.552		0.550		0.547		3.868			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/6-10 DOT EXT. 6"	LF							30								30.000			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	LF			96				32		44						172			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA																		
*	BIKE SYMBOL				1		1				1						3			
*	MERGE ONLY				1						1						2			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS	EA																		
*	BIKE ARROW				1		1				1						3			
*	DIRECTIONAL ARROW				1						1						2			
*	MERGE ARROW																			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, YIELD LINE	LF																		
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	NM	0.277		0.585		0.553		0.667		0.573		0.553		0.276		3.484			
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF			383				403		440		418				1644			
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF			139				40		110						289			

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

REVISIONS				CHRIS J. WALSH, P.E. Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive DeBary, FL 32713 Phone: 386.753.0558 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					429	SEMINOLE	240200-2-52-01	

TABULATION OF QUANTITIES

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			S-25		S-26		S-27		S-28		S-29		S-30		S-31		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
700-1-11	SINGLE POST SIGN, F&I, GROUND MOUNT, <12 SF	AS	3		1		3		2				2		2		13			
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12 - 20 SF	AS	1					1						1		3				
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21 - 30 SF	AS											1		1					
700-1-21	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, < 12 SF	AS																		
700-1-22	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 12 - 20 SF	AS	1				1									2				
700-1-50	SINGLE POST SIGN, RELOCATE	AS																		
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																		
700-3-202	SIGN PANEL, F&I, OVERHEAD MOUNT, 12 - 20 SF	EA																		
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21 - 30 SF	EA	1		2						1				3		7			
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51 - 100 SF	EA																		
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101 - 200 SF	EA	1												3		4			
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201 - 300 SF	EA			2						1				1		4			
700-4-112	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 21-30 FT	EA																		
700-4-113	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 31-40 FT	EA	1								1						2			
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT	EA																		
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA			1				1						1		3			
705-11-2	DELINEATOR, NON-FLEXIBLE	EA																		
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																		
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																		
*	W-R	EA	37		37		36		44		76		135		86		451			
*	Y-R	EA	36		37		36		36				83		22		250			
*	Y-Y	EA	20				2								2		24			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	NM	0.938		0.893		0.792		0.819		0.276		0.890		0.645		5.253			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF	125		76		143				408		1013		885		2650			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF											55				55			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF	16				35						19		28		98			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM									0.067		0.087				0.154			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM	0.570		0.547		0.552		0.563		0.557		0.555		0.547		3.891			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/6-10 DOT EXT. 6"	LF																		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	LF	76		54		66						96		43		335			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA																		
*	BIKE SYMBOL				2		1		1				1		1		6			
*	MERGE														1		1			
*	ONLY		1				2						1		1		5			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS	EA																		
*	BIKE ARROW				2		1		1				1		1		6			
*	DIRECTIONAL ARROW		1				2						1		1		5			
*	MERGE ARROW														1		1			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, YIELD LINE	LF																		
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	NM	0.584		0.553		0.584		0.614		0.277		0.770		0.490		3.872			
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF	419		412		415		393				456		54		2149			
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF	90		40		50						70				250			

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

REVISIONS				CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO. S-4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			S-32		S-33		S-34		S-35		S-36		S-37		S-38		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
700-1-11	SINGLE POST SIGN, F&I, GROUND MOUNT, <12 SF	AS													2					
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12 - 20 SF	AS																		
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21 - 30 SF	AS																		
700-1-21	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, < 12 SF	AS																		
700-1-22	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 12 - 20 SF	AS												2				2		
700-1-50	SINGLE POST SIGN, RELOCATE	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												1				1		
700-3-202	SIGN PANEL, F&I, OVERHEAD MOUNT, 12 - 20 SF	EA																		
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21 - 30 SF	EA							2									2		
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51 - 100 SF	EA							1									1		
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101 - 200 SF	EA							1									1		
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201 - 300 SF	EA							1									1		
700-4-112	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 21-30 FT	EA																		
700-4-113	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 31-40 FT	EA																		
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT	EA																		
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA							1									1		
705-11-2	DELINEATOR, NON-FLEXIBLE	EA																		
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																		
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																		
*	W-R	EA	38		36			36	22		37		18		43			230		
*	Y-R	EA												19				19		
*	Y-Y	EA							23				8					31		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	NM	0.297		0.393			0.273	0.344		0.277		0.139		0.241			1.964		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF												721				721		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF																		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF												20				20		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM																		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM	0.547		0.551			0.550	0.334		0.557		0.289					2.828		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/6-10 DOT EXT. 6"	LF																		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	LF												16				16		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA																		
*	BIKE SYMBOL																			
*	MERGE																			
*	ONLY													1				1		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS	EA																		
*	BIKE ARROW																			
*	DIRECTIONAL ARROW													1				1		
*	MERGE ARROW																			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, YIELD LINE	LF																		
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	NM	0.277		0.276			0.273	0.344		0.277		0.177		0.206			1.830		
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF											30		148			178		
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF												33				33		

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REVISIONS				CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO. S-5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			S-39		S-40		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						
700-1-11	SINGLE POST SIGN, F&I, GROUND MOUNT, <12 SF	AS	1		5		1		3		2				1		13			
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12 - 20 SF	AS						1									1			
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21 - 30 SF	AS																		
700-1-21	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, < 12 SF	AS																		
700-1-22	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 12 - 20 SF	AS			2												2			
700-1-50	SINGLE POST SIGN, RELOCATE	AS																		
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			
700-3-202	SIGN PANEL, F&I, OVERHEAD MOUNT, 12 - 20 SF	EA					1										1			
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21 - 30 SF	EA																		
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51 - 100 SF	EA																		
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101 - 200 SF	EA																		
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201 - 300 SF	EA					1										1			
700-4-112	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 21-30 FT	EA																		
700-4-113	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 31-40 FT	EA																		
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT	EA					1										1			
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA																		
705-11-2	DELINEATOR, NON-FLEXIBLE	EA					1		3								4			
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																		
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																		
*	W-R	EA	14		42		100		82		16						254			
*	Y-R	EA	15		30		3										48			
*	Y-Y	EA			6				4			8		6			24			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	NM	0.198		0.248		0.308		0.417		0.990		0.051		0.031		2.243			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF			254		927		227		706						2114			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF			29				11								40			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF			45				30		171						246			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM																		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM	0.008		0.167		0.304		0.410		0.053						0.942			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/6-10 DOT EXT. 6"	LF					30		60								90			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	LF			99		33		84		38						254			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA																		
*	BIKE SYMBOL				1		4		1		1						7			
*	MERGE		1														1			
*	ONLY				2				2								4			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS	EA																		
*	BIKE ARROW				1		4		1		1						7			
*	DIRECTIONAL ARROW				2		3		8		1						14			
*	MERGE ARROW		1														1			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, YIELD LINE	LF							0.270								0			
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	NM	0.233		0.355		0.268				0.084		0.061		0.031		1.032			
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF			142		10										152			
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF			69				96		528						693			

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

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>429</td> <td>SEMINOLE</td> <td>240200-2-52-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	429	SEMINOLE	240200-2-52-01	SHEET NO. S-6	
REVISIONS																													
DATE	DESCRIPTION	DATE	DESCRIPTION																										
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																											
429	SEMINOLE	240200-2-52-01																											

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			S-46		S-47		S-48		S-49		S-50		S-51		S-52		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
700-1-11	SINGLE POST SIGN, F&I, GROUND MOUNT, <12 SF	AS	1		1		1		1					28	19	51				
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12 - 20 SF	AS											1	2	3					
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21 - 30 SF	AS																		
700-1-21	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, < 12 SF	AS																		
700-1-22	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 12 - 20 SF	AS																		
700-1-50	SINGLE POST SIGN, RELOCATE	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																		
700-3-202	SIGN PANEL, F&I, OVERHEAD MOUNT, 12 - 20 SF	EA																		
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21 - 30 SF	EA																		
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51 - 100 SF	EA																		
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101 - 200 SF	EA																		
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201 - 300 SF	EA																		
700-4-112	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 21-30 FT	EA																		
700-4-113	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 31-40 FT	EA																		
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT	EA																		
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA																		
705-11-2	DELINEATOR, NON-FLEXIBLE	EA																		
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																		
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																		
*	W-R	EA					5						35	46	86					
*	Y-R	EA											20	20	20					
*	Y-Y	EA	2	10				33	28	32	4	109								
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	NM	0.017	0.072	0.010	0.285	0.256	0.503	0.486	1.629										
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF				60		301	305	666										
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF			14			160	48	222										
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF				12				12										
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM																		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM											0.122	0.122	0.122					
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/6-10 DOT EXT. 6"	LF																		
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	LF								54	50	104								
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA																		
*	BIKE SYMBOL									1	2	3								
*	MERGE										1	1								
*	ONLY																			
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS	EA																		
*	BIKE ARROW									1	2	3								
*	DIRECTIONAL ARROW									3	4	7								
*	MERGE ARROW										1	1								
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, YIELD LINE	LF								58	60	118								
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	NM	0.017	0.072		0.250	0.198	0.488	0.441	1.466										
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF								76	8	84								
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF								377	276	653								

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

REVISIONS				CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO. S-7
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			S-53		S-54		S-55		S-56		S-57		PLAN	FINAL	PLAN	FINAL	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, GROUND MOUNT, <12 SF	AS	18		19		19		2		4						62		394	
700-1-12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12 - 20 SF	AS	3		1		1										5		16	
700-1-13	SINGLE POST SIGN, F&I, GROUND MOUNT, 21 - 30 SF	AS																	4	
700-1-21	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, < 12 SF	AS			2				2								4		96	
700-1-22	SINGLE POST SIGN, F&I, BARRIER MOUNT INDEX 11871, 12 - 20 SF	AS			1		1										2		261	
700-1-50	SINGLE POST SIGN, RELOCATE	AS	1														1		1	
700-2-15	MULTI-POST SIGN, F&I, GROUND MOUNT, 51 - 100 SF	AS																	8	
700-2-16	MULTI-POST SIGN, F&I, GROUND MOUNT, 101 - 200 SF	AS																	2	
700-3-202	SIGN PANEL, F&I, OVERHEAD MOUNT, 12 - 20 SF	EA																	4	
700-3-203	SIGN PANEL, F&I, OVERHEAD MOUNT, 21 - 30 SF	EA																	13	
700-3-205	SIGN PANEL, F&I, OVERHEAD MOUNT, 51 - 100 SF	EA																	8	
700-3-206	SIGN PANEL, F&I, OVERHEAD MOUNT, 101 - 200 SF	EA																	21	
700-3-207	SIGN PANEL, F&I, OVERHEAD MOUNT, 201 - 300 SF	EA																	8	
700-4-112	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 21-30 FT	EA																	2	
700-4-113	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 31-40 FT	EA																	4	
700-4-114	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 41-50 FT	EA																	153	
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA																	4	
705-11-2	DELINEATOR, NON-FLEXIBLE	EA																	693	
710-90	PAINTED PAVEMENT MARKINGS - FINAL SURFACE	LS																	1	
*	RETRO-REFLECTIVE PAVEMENT MARKER	EA																		
*	W-R	EA	29		24		34		37		5						129		2681	
*	Y-R	EA	42		55		21		15								133		618	
*	Y-Y	EA	2								85						87		406	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 6"	NM	0.512		0.508		0.470		0.157		0.181						1.828		19.725	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	LF	205		200		207		509		410						1531		13637	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 18"	LF	166		94		167										427		756	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	LF									46						46		257	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 3-9 SKIP, 6"	GM																	1	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, SKIP, 10-30 SKIP, 6"	GM							0.091								0.091		14.175	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/6-10 DOT EXT. 6"	LF									54						54		84	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, DOTTED/GUIDELINE/2-4 DOT EXT. 6"	LF	37		46		50										133		760	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, MESSAGE OR SYMBOL	EA																		
*	BIKE SYMBOL		2		2		1		1								6		19	
*	MERGE																		2	
*	ONLY																		8	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, ARROWS	EA																		
*	BIKE ARROW		2		2		1		1								6		19	
*	DIRECTIONAL ARROW		1		1		1				6						9		24	
*	MERGE ARROW																		2	
*	PAINTED PAVEMENT MARKINGS, STD, WHITE, YIELD LINE	LF	46		64		48										158		276	
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 6"	NM	0.444		0.407		0.395		0.139		0.464						1.849		16.190	
*	PAINTED PAVEMENT MARKINGS, STD, YELLOW, SOLID, 18"	LF	192		173		123		241		220						949		5331	
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF	212		181		201										594		1819	

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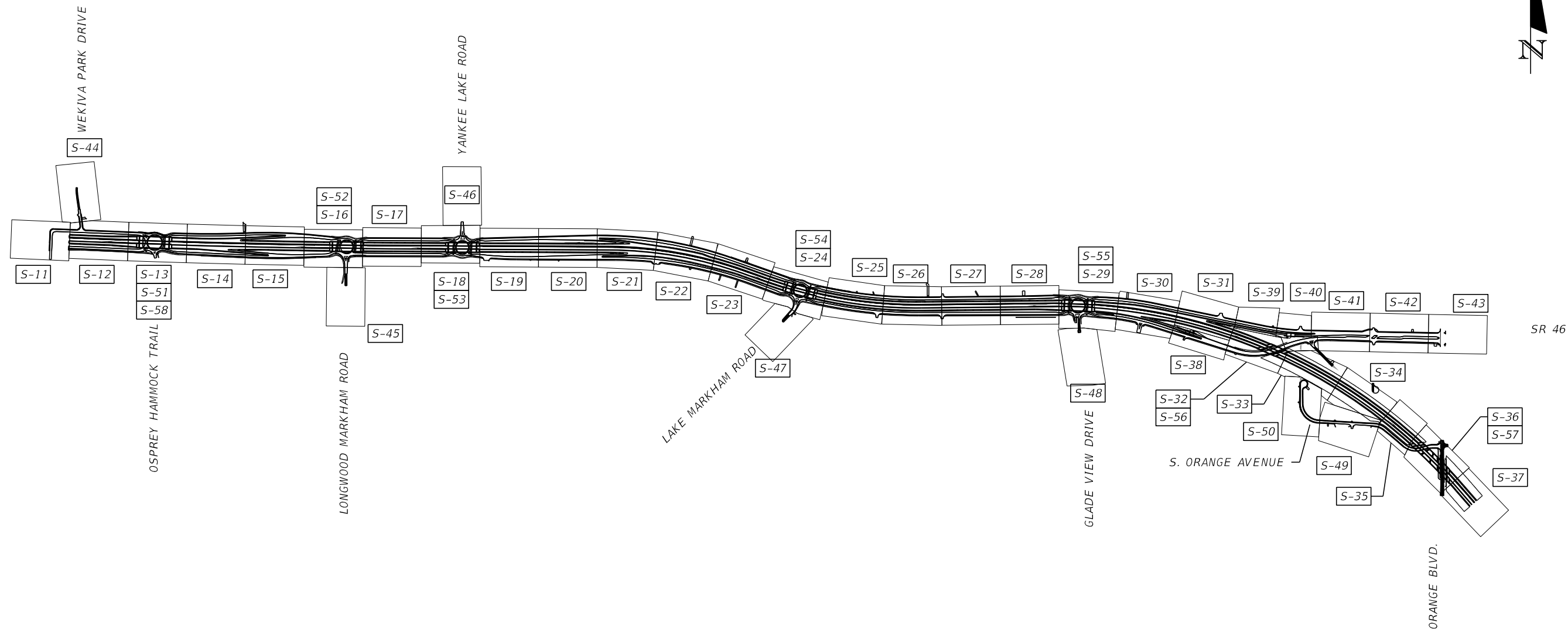
REVISIONS				CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO. S-8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

GENERAL:

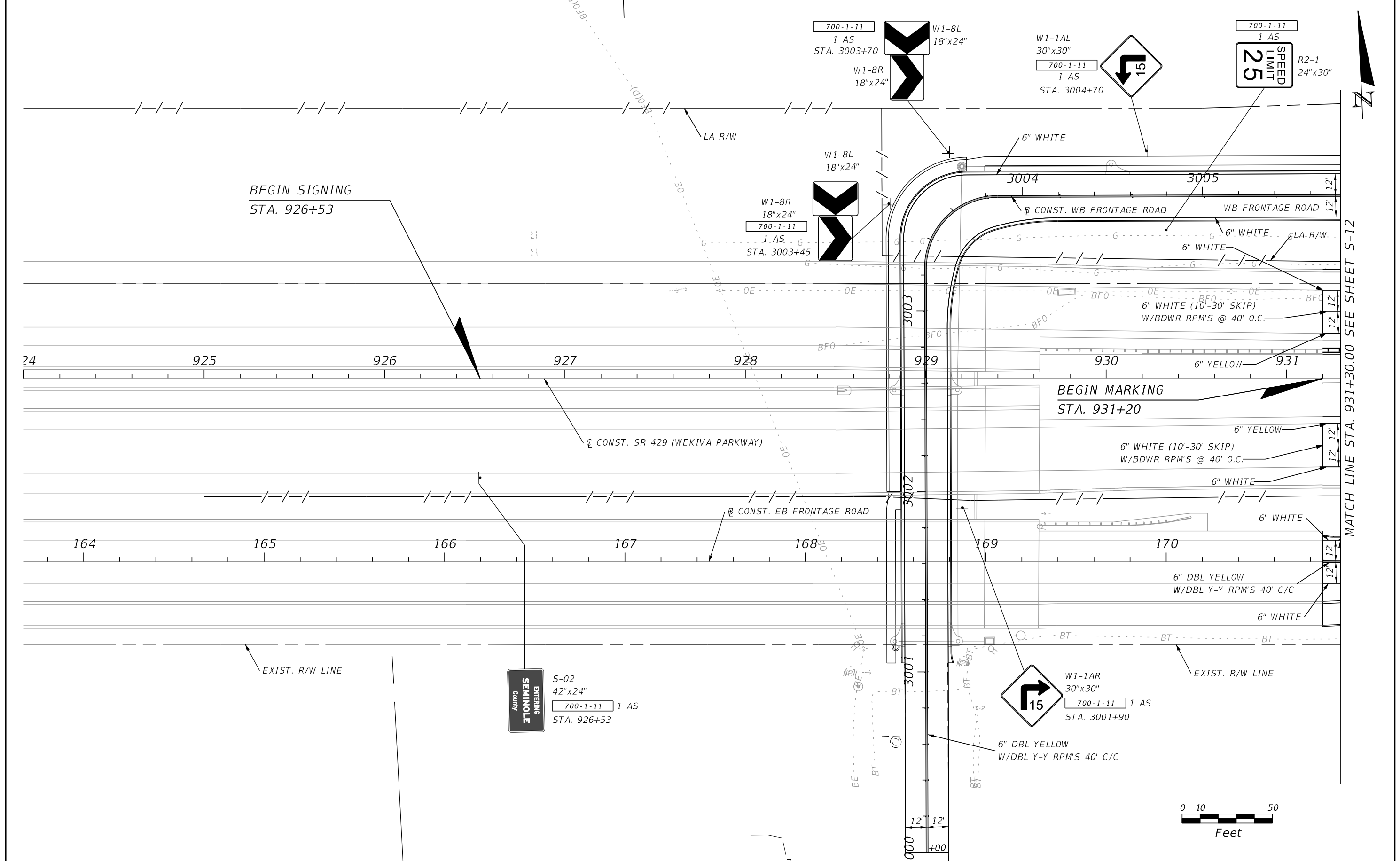
1. ALL REMOVED SIGNS AND THEIR SUPPORTS BECOME THE PROPERTY OF THE CONTRACTOR TO BE DISPOSED OF PROPERLY UNLESS NOTED ON THE PLANS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE AND REPLACE ALL EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS.
3. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REMOVED DURING THE CLEARING & GRUBBING OPERATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
4. SIGN ASSEMBLY LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH UTILITIES, ETC., MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE ENGINEER.
5. WRONG WAY ARROWS SHALL BE PLACED PER FDOT STANDARD INDEX.
6. STOP BARS SHOULD BE 4' IN FRONT OF THE CROSSWALK UNLESS OTHERWISE NOTED IN THE PLANS.
7. CONTRACTOR SHALL HAND DIG THE FIRST 4 FEET AT EACH SIGN STRUCTURE LOCATION TO VERIFY NO UTILITY CONFLICTS.

<u>UTILITY OWNERS:</u>	<u>NUMBERS:</u>
AT & T Corp	407-578-8000
AT & T FLORIDA	407-273-5084
BRIGHT HOUSE NETWORKS, LLC	407-532-8509
FLORIDA GAS TRANSMISSION	407-838-7171
FLORIDA POWER & LIGHT (D)	386-586-6432
FLORIDA PUBLIC UTILITIES	407-668-9842
SEMINOLE COUNTY (W, NPW,SS)	407-665-2267

REVISIONS				CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<i>GENERAL NOTES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-9
					429	SEMINOLE	240200-2-52-01		



REVISIONS				CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-10
					429	SEMINOLE	240200-2-52-01		



MATCH LINE STA. 931+30.00 SEE SHEET S-12

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

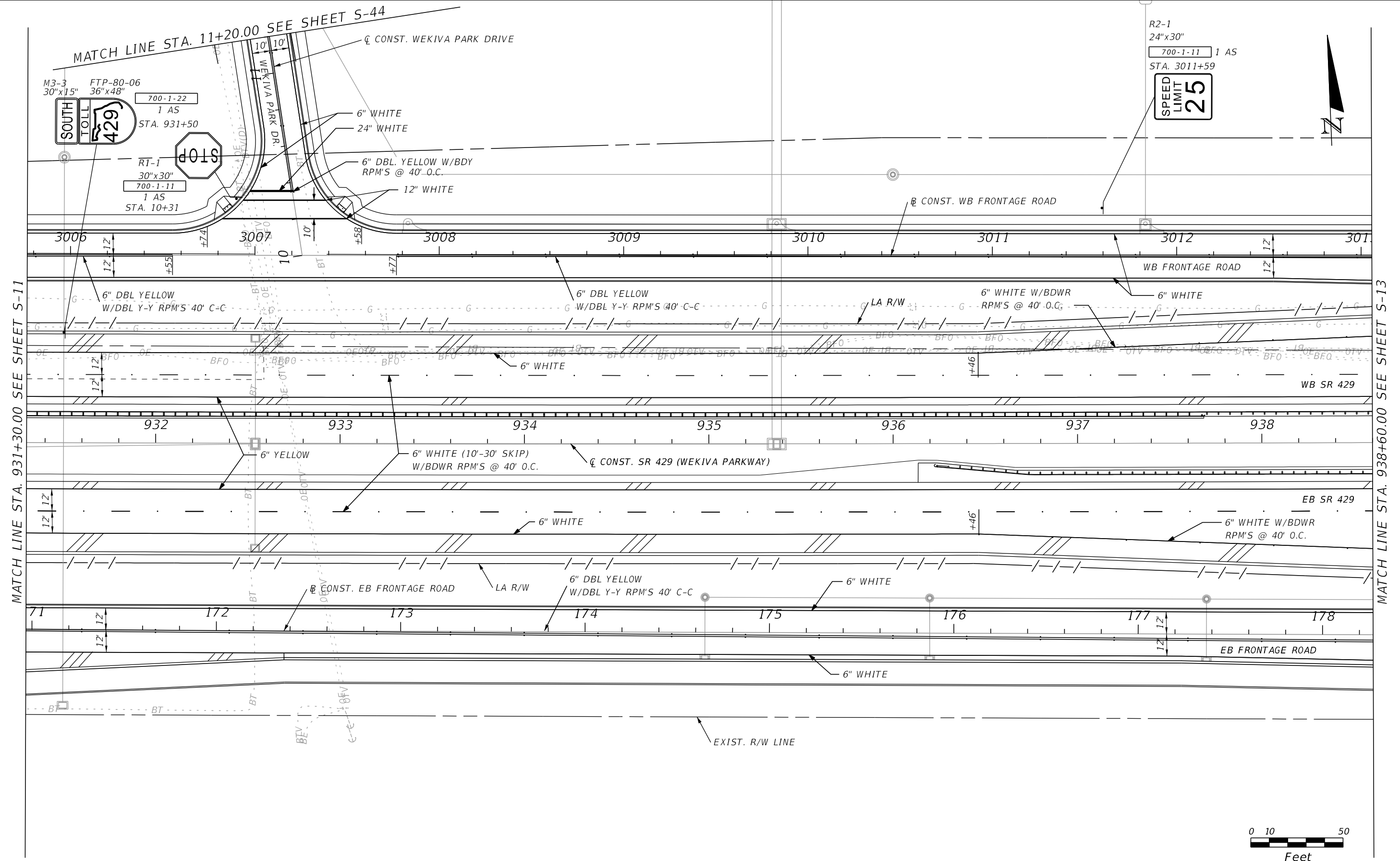
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-11

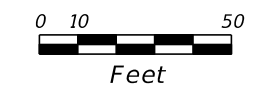
MATCH LINE STA. 11+20.00 SEE SHEET S-44

R2-1
24"x30"
700-1-11 1 AS
STA. 3011+59
SPEED LIMIT
25

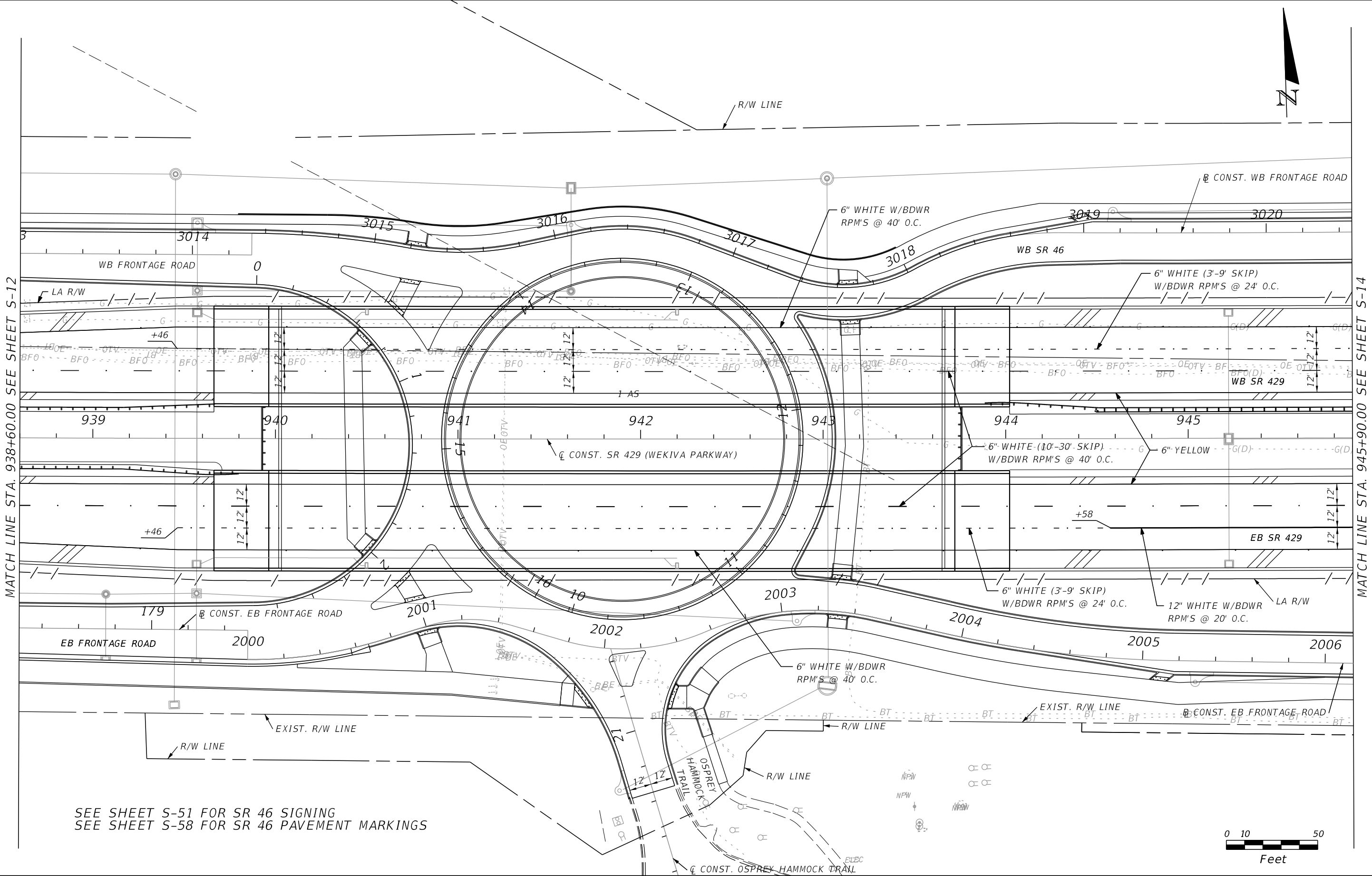
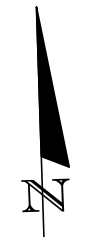


MATCH LINE STA. 931+30.00 SEE SHEET S-11

MATCH LINE STA. 938+60.00 SEE SHEET S-13



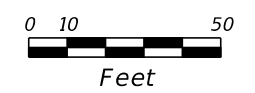
REVISIONS				CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING AND MARKING PLAN	SHEET NO. S-12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		



MATCH LINE STA. 938+60.00 SEE SHEET S-12

MATCH LINE STA. 945+90.00 SEE SHEET S-14

SEE SHEET S-51 FOR SR 46 SIGNING
SEE SHEET S-58 FOR SR 46 PAVEMENT MARKINGS



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
Traffic Engineering Data Solutions, Inc.
80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778
CERTIFICATION OF AUTHORIZATION # 27392

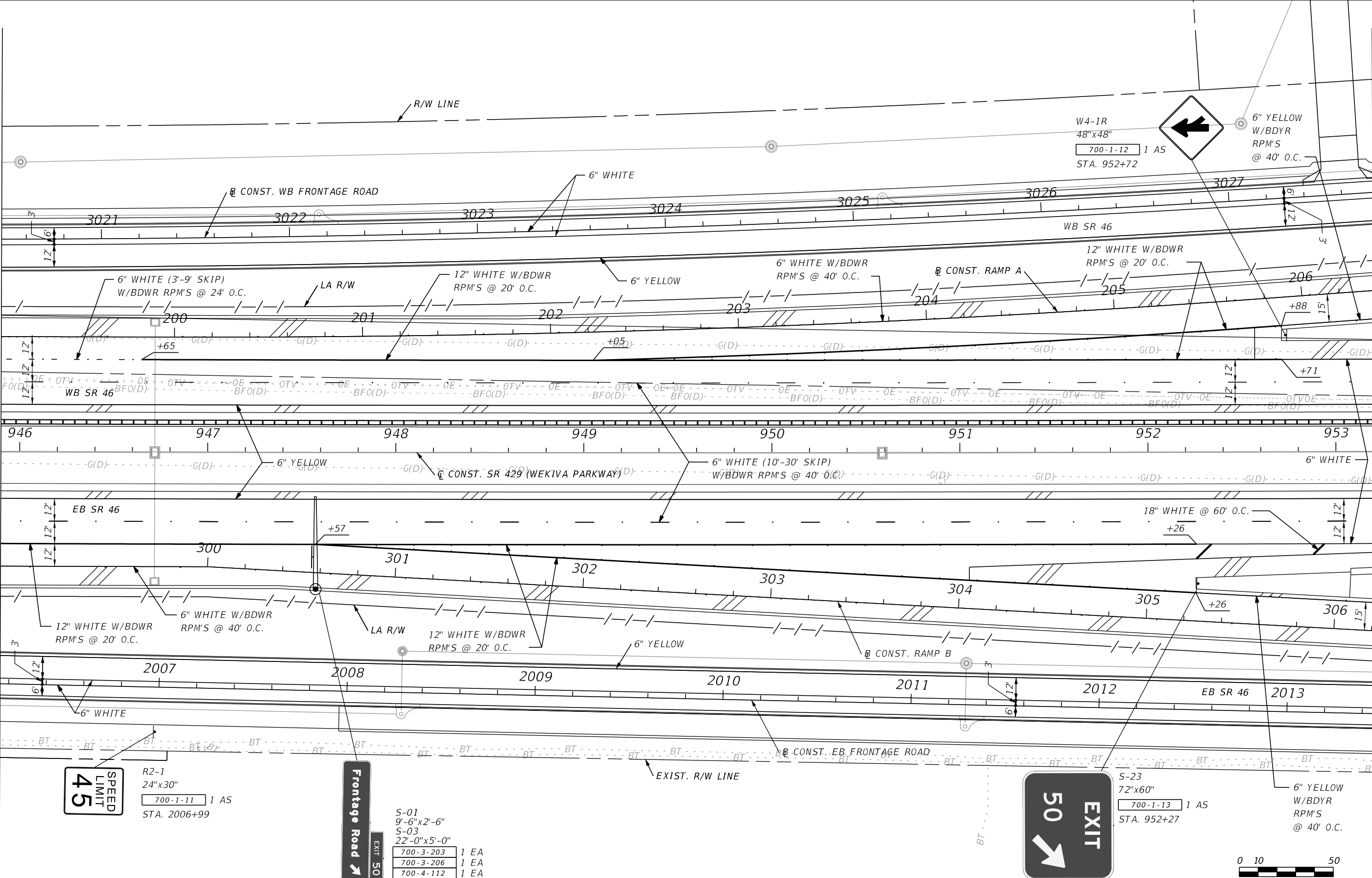
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-13

STA. 945+90.00 SEE SHEET S-13

STA. 953+20.00 SEE SHEET S-15



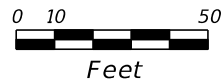
R2-1
24"x30"
700-1-11 1 AS
STA. 2006+99



S-01
9'-6"x2'-6"
S-03
22'-0"x5'-0"
700-3-203 1 EA
700-3-206 1 EA
700-4-112 1 EA
STA. 947+57



S-23
72"x60"
700-1-13 1 AS
STA. 952+27



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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CERTIFICATION OF AUTHORIZATION # 27392

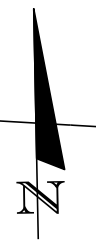
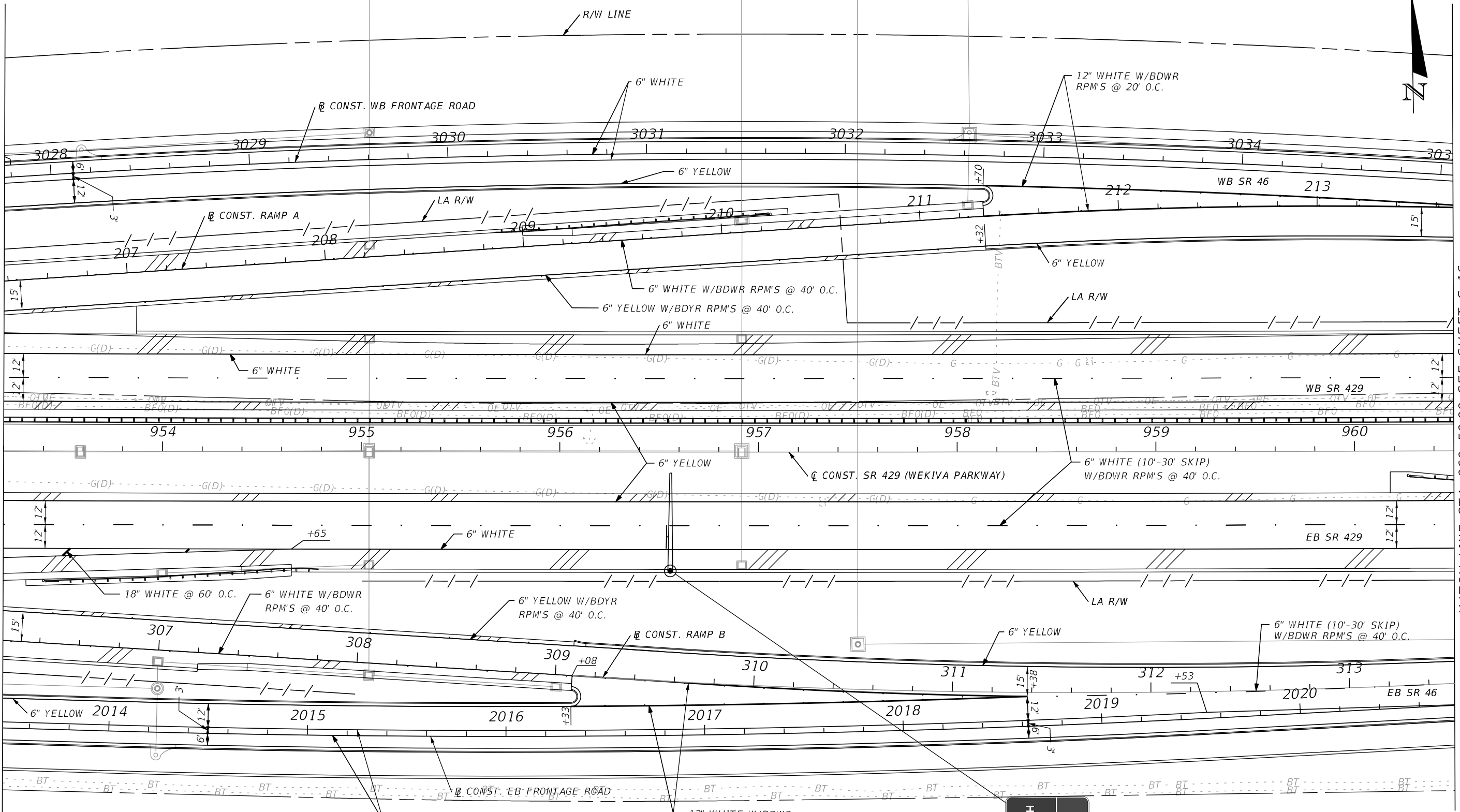
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-14

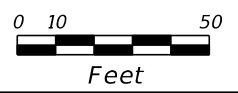
MATCH LINE STA. 953+20.00 SEE SHEET S-14

MATCH LINE STA. 960+50.00 SEE SHEET S-16



Sanford
 Historic District
 2 MILES
46 EAST
 EXIT 52

- S-12 9'-6" x 2'-6"
- S-11 20'-6" x 14'-0"
- 700-3-203 1 EA
- 700-3-207 1 EA
- 700-4-114 1 EA
- STA. 956+56



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

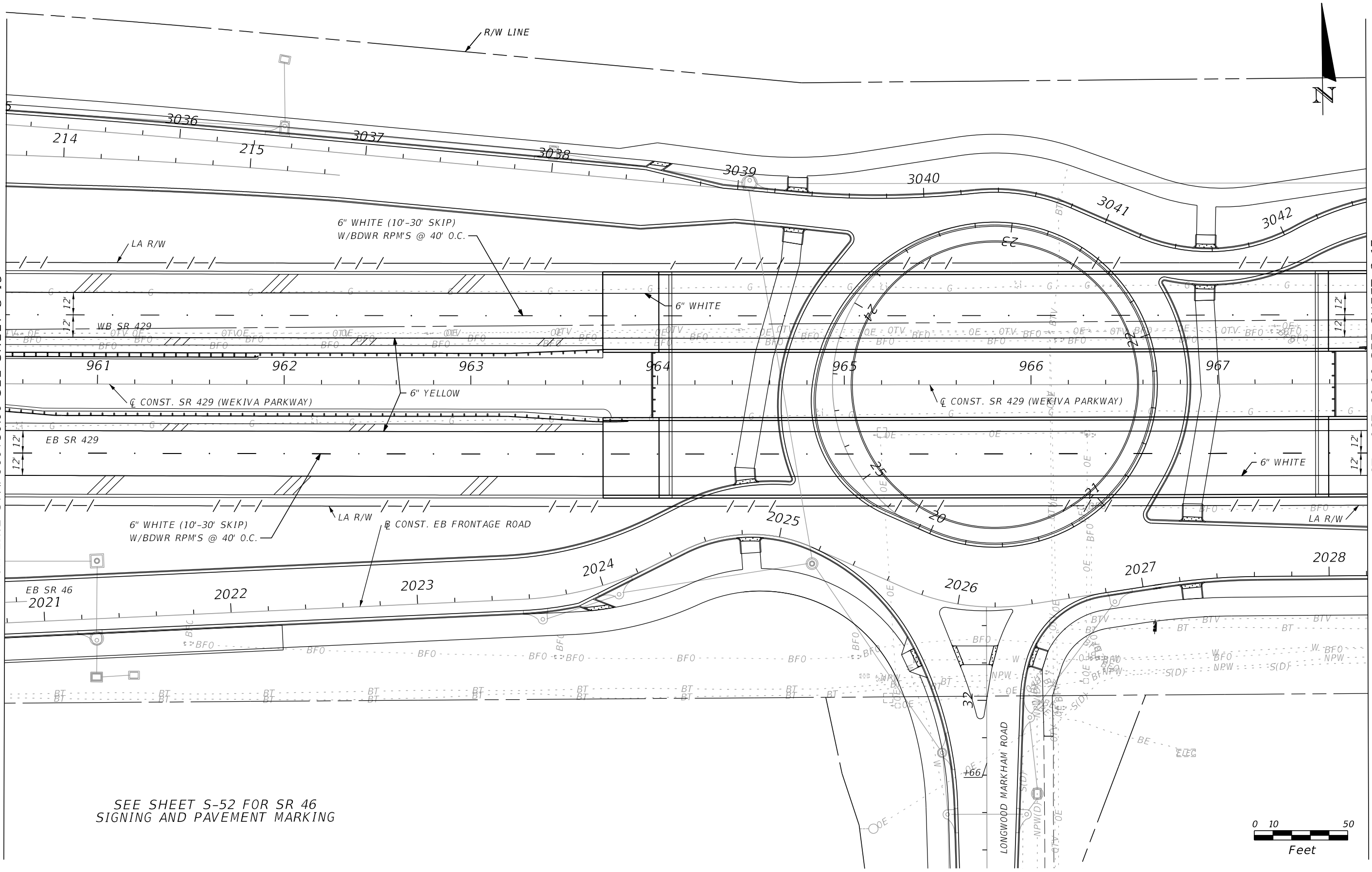
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

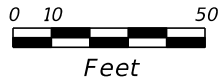
SHEET NO.
 S-15

MATCH LINE STA. 960+50.00 SEE SHEET S-15

MATCH LINE STA. 967+80.00 SEE SHEET S-17



SEE SHEET S-52 FOR SR 46
SIGNING AND PAVEMENT MARKING



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-16

M3-4
24"x12"
WEST
46
←

FTP-17-06
24"x24"
M6-3
21"x15"

S-27
36"x30"

Longwood
Markham
Road

M5-1L
21"x15"

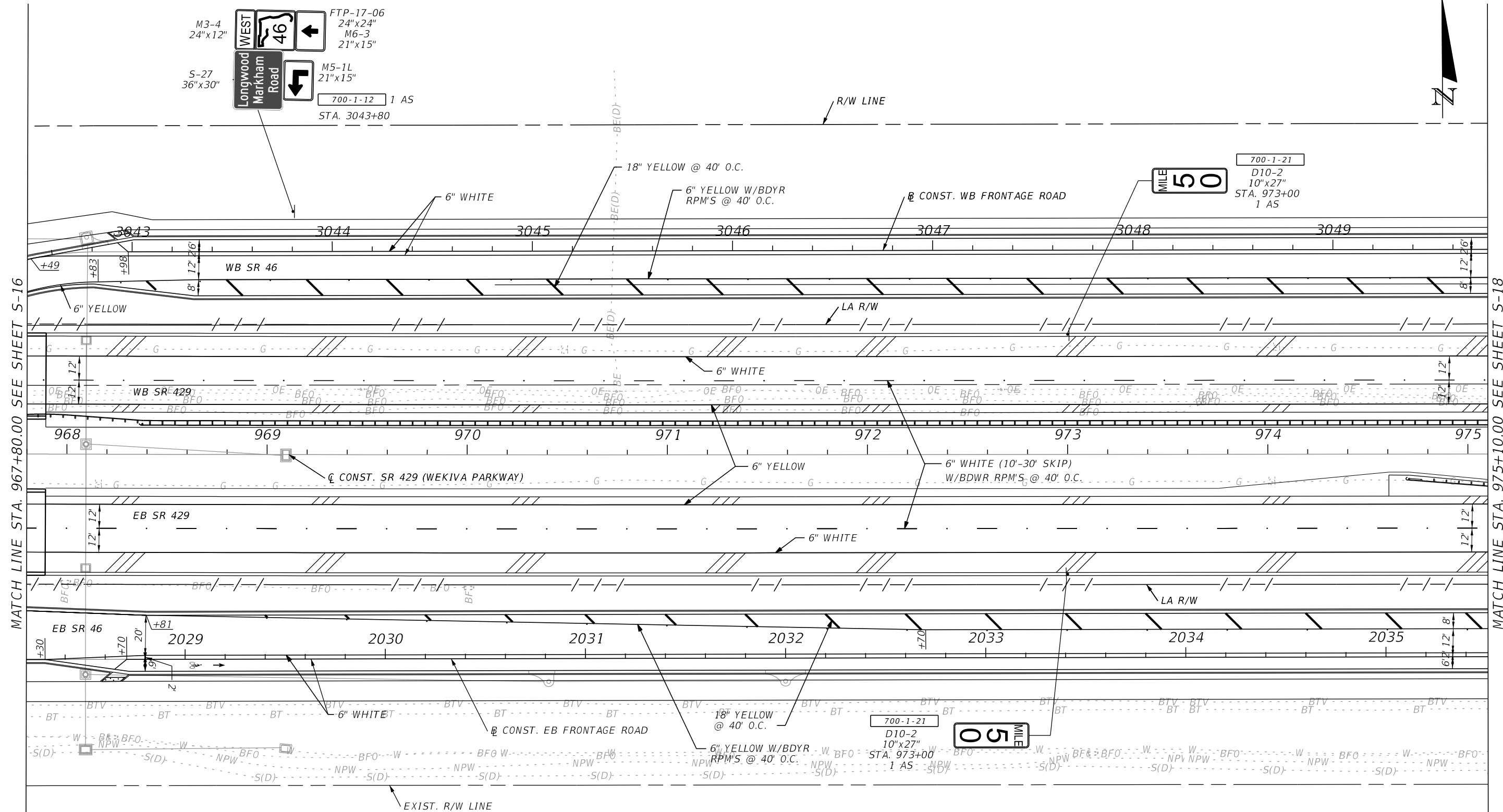
700-1-12 1 AS
STA. 3043+80

700-1-21
D10-2
10"x27"
STA. 973+00
1 AS

MILE 50

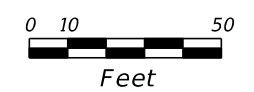
700-1-21
D10-2
10"x27"
STA. 973+00
1 AS

MILE 50



MATCH LINE STA. 967+80.00 SEE SHEET S-16

MATCH LINE STA. 975+10.00 SEE SHEET S-18

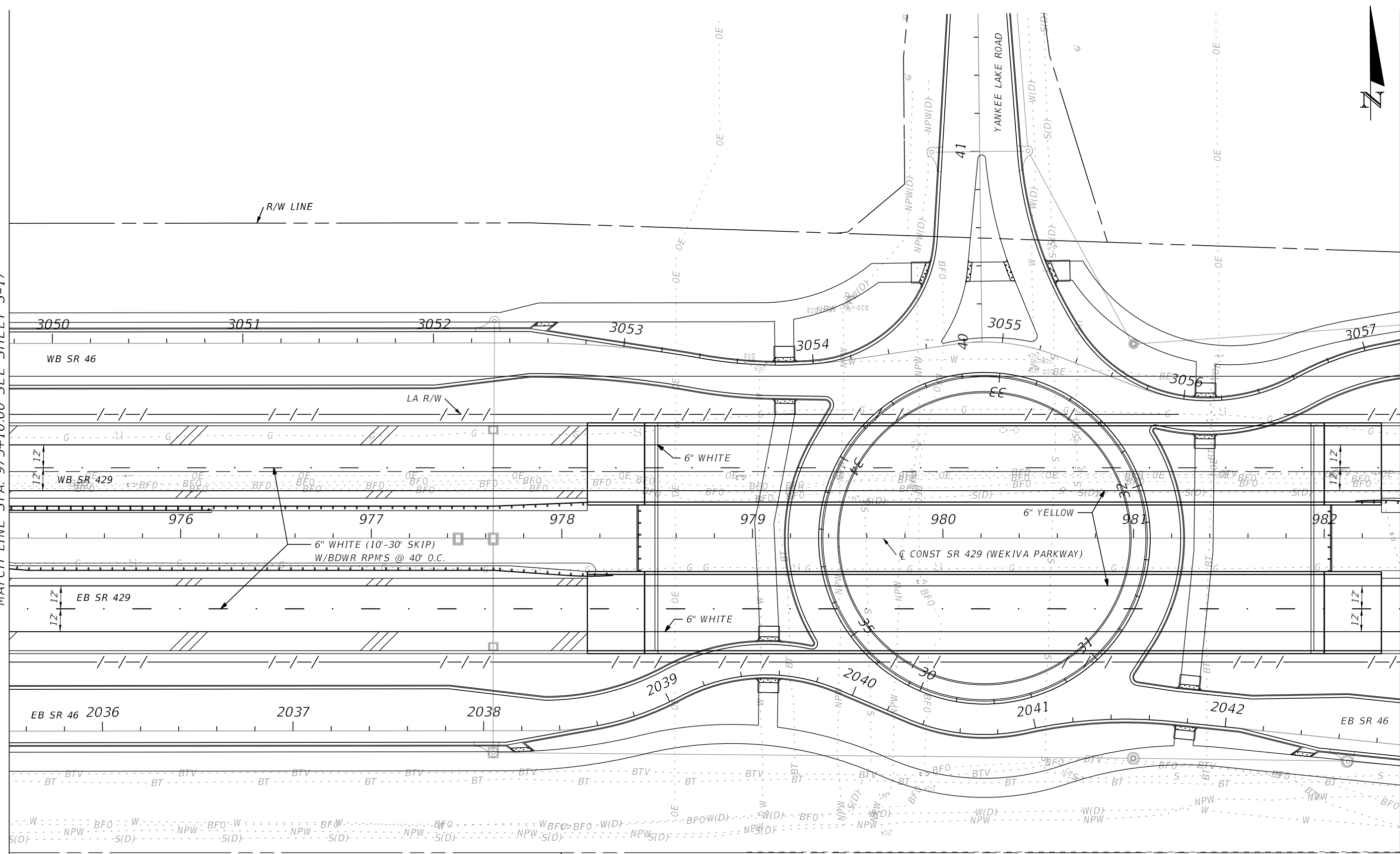


REVISIONS				CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING AND MARKING PLAN	SHEET NO. S-17
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

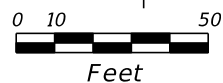


MATCH LINE STA. 975+10.00 SEE SHEET S-17

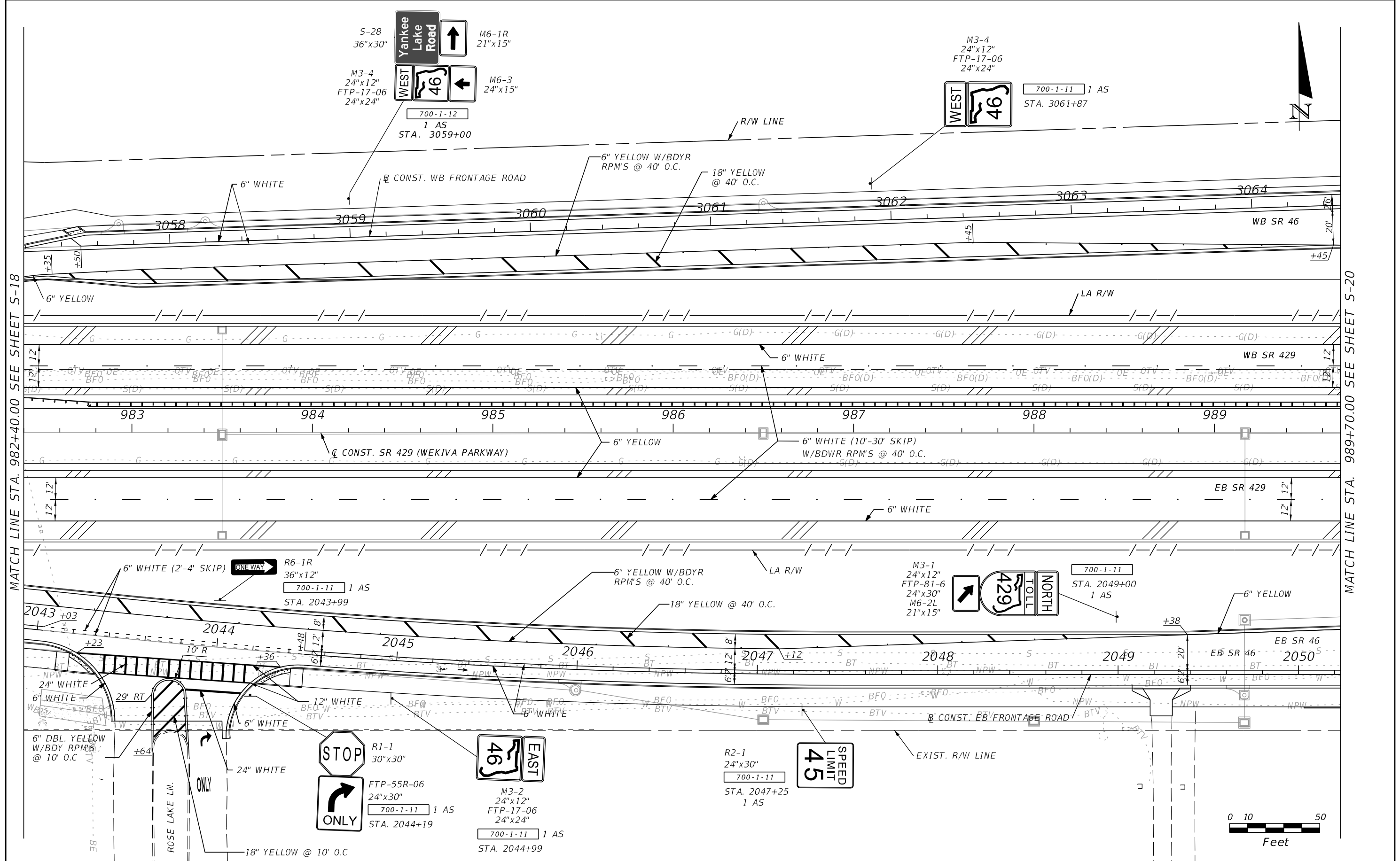
MATCH LINE STA. 982+40.00 SEE SHEET S-19



SEE SHEET S-53 FOR SR 46
SIGNING AND PAVEMENT MARKING

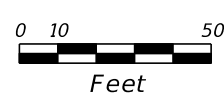


REVISIONS				CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING AND MARKING PLAN	SHEET NO. S-18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				429	SEMINOLE	240200-2-52-01			



MATCH LINE STA. 982+40.00 SEE SHEET S-18

MATCH LINE STA. 989+70.00 SEE SHEET S-20



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

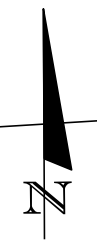
SHEET NO.
S-19



W4-2L
36"x36"
700-1-11 1 AS
STA. 3064+55

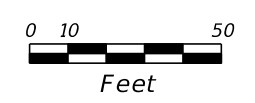
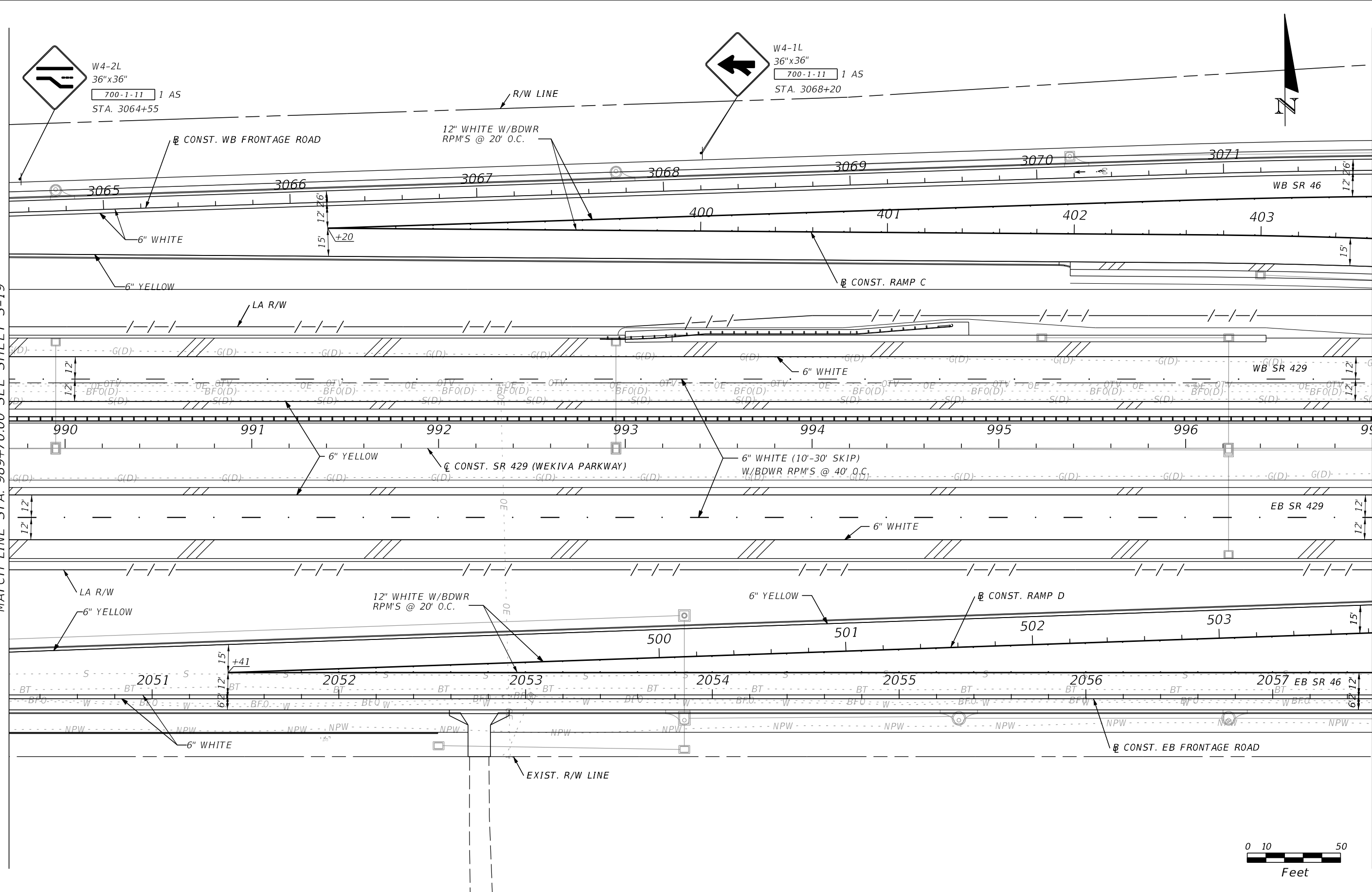


W4-1L
36"x36"
700-1-11 1 AS
STA. 3068+20



MATCH LINE STA. 989+70.00 SEE SHEET S-19

MATCH LINE STA. 997+00.00 SEE SHEET S-21



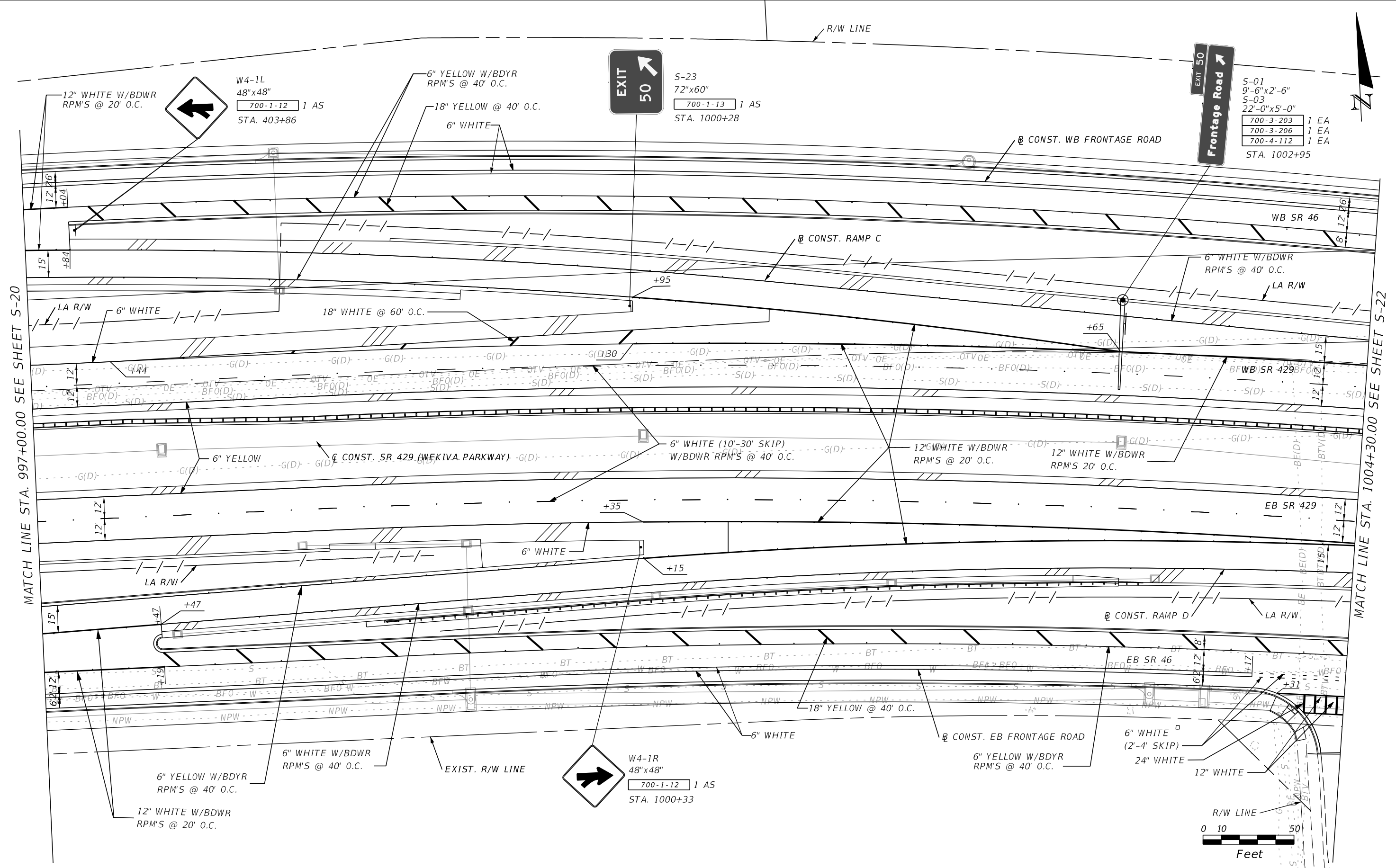
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

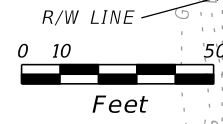
SIGNING AND MARKING PLAN

SHEET NO.
S-20



MATCH LINE STA. 997+00.00 SEE SHEET S-20

MATCH LINE STA. 1004+30.00 SEE SHEET S-22



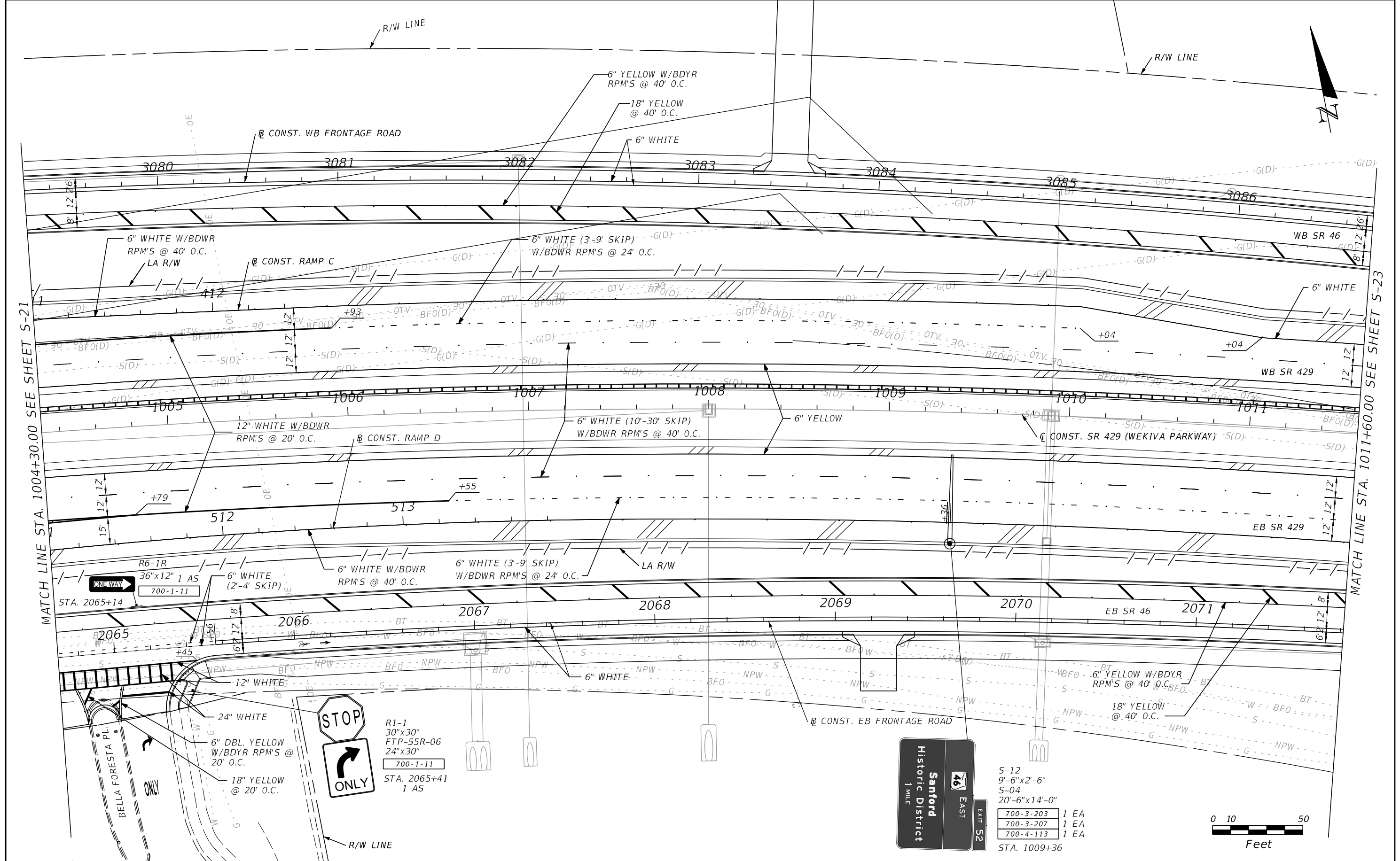
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-21

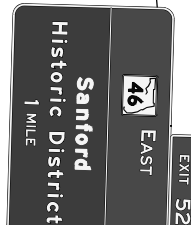


MATCH LINE STA. 1004+30.00 SEE SHEET S-21

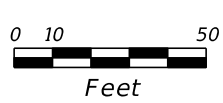
MATCH LINE STA. 1011+60.00 SEE SHEET S-23



R1-1
30"x30"
FTP-55R-06
24"x30"
700-1-11
STA. 2065+41
1 AS



S-12
9'-6"x2'-6"
S-04
20'-6"x14'-0"
700-3-203 1 EA
700-3-207 1 EA
700-4-113 1 EA
STA. 1009+36



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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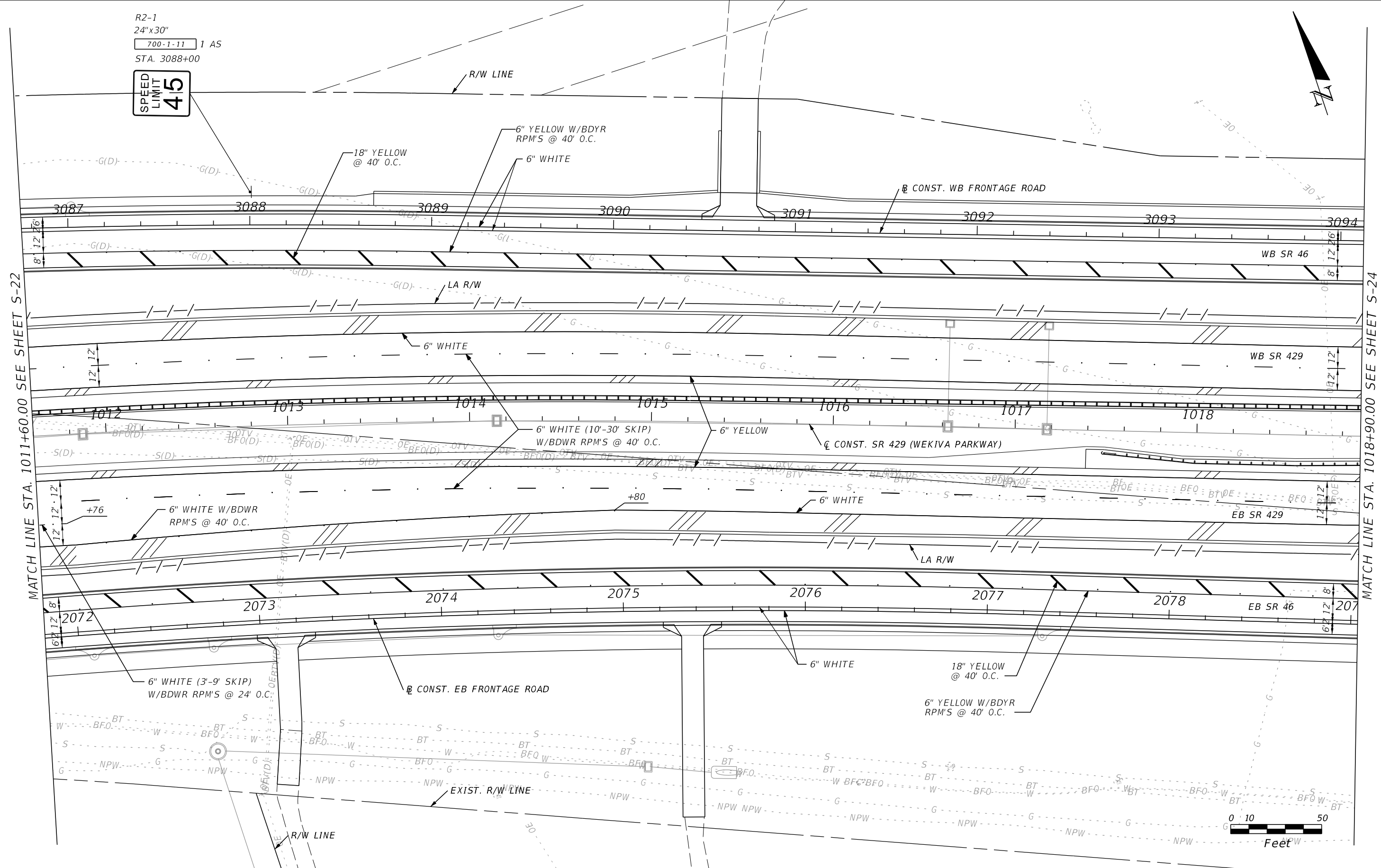
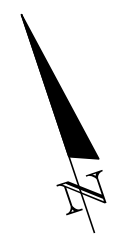
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-22

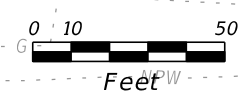
R2-1
24"x30"
700-1-11 1 AS
STA. 3088+00

SPEED
LIMIT
45



MATCH LINE STA. 1011+60.00 SEE SHEET S-22

MATCH LINE STA. 1018+90.00 SEE SHEET S-24



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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CERTIFICATION OF AUTHORIZATION # 27392

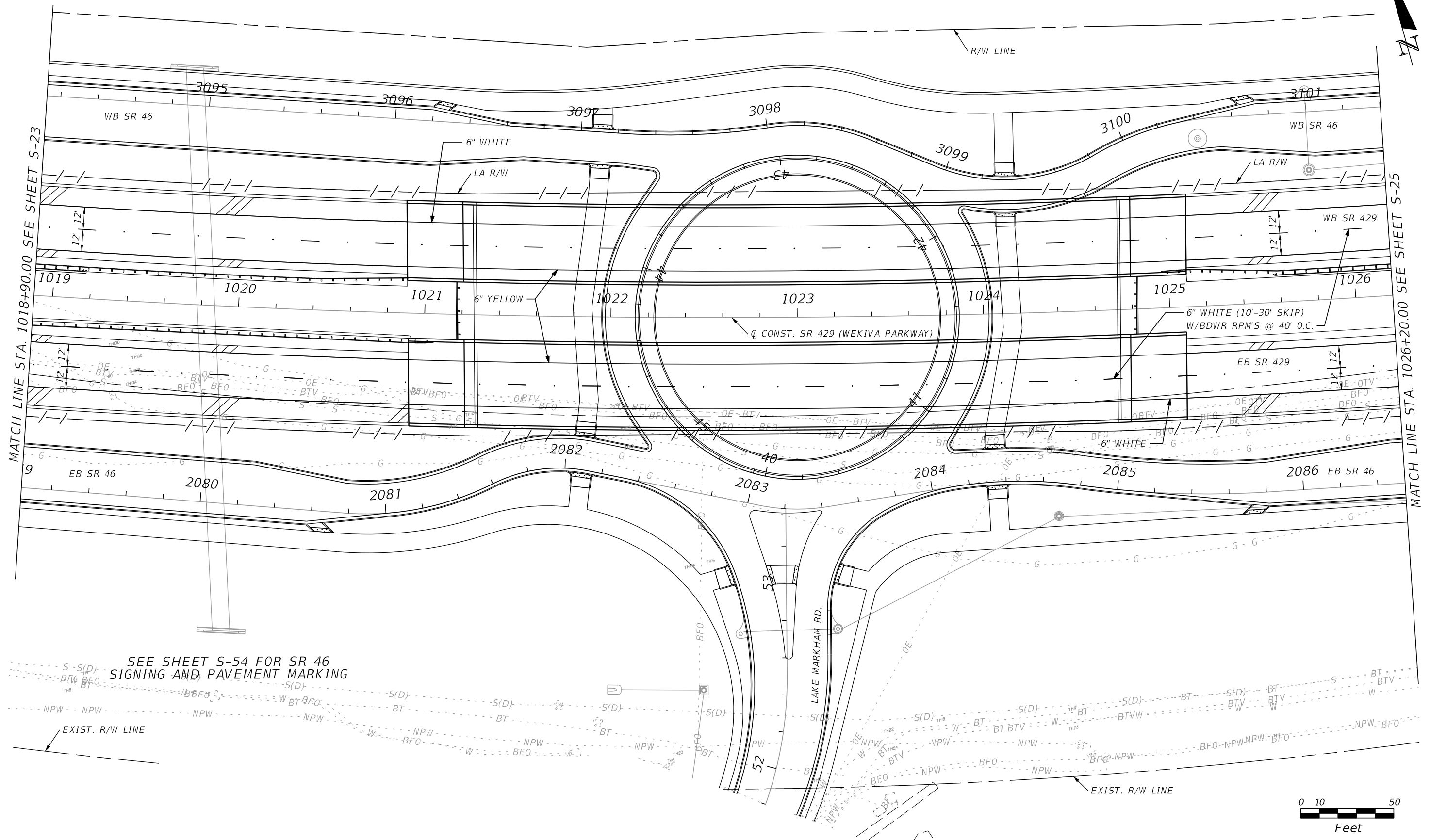
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

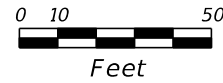
SHEET NO.
S-23

MATCH LINE STA. 1018+90.00 SEE SHEET S-23

MATCH LINE STA. 1026+20.00 SEE SHEET S-25



SEE SHEET S-54 FOR SR 46
SIGNING AND PAVEMENT MARKING



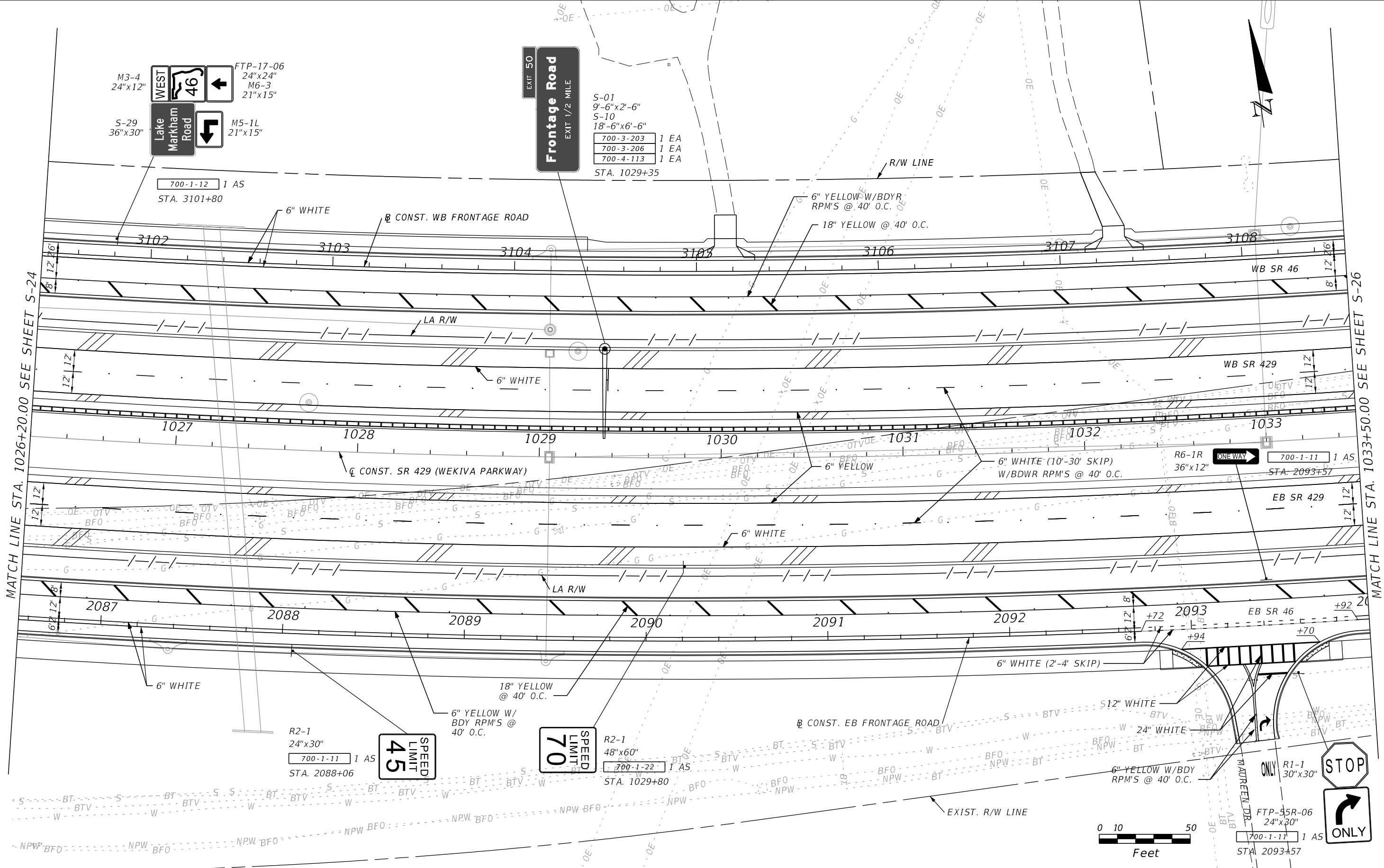
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
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80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778
CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-24



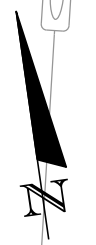
M3-4
24"x12"
WEST
46
←
FTP-17-06
24"x24"
M6-3
21"x15"

S-29
36"x30"
Lake
Markham
Road
↙
M5-1L
21"x15"

700-1-12 1 AS
STA. 3101+80

EXIT 50
Frontage Road
EXIT 1/2 MILE

S-01
9'-6"x2'-6"
S-10
18'-6"x6'-6"
700-3-203 1 EA
700-3-206 1 EA
700-4-113 1 EA
STA. 1029+35



MATCH LINE STA. 1026+20.00 SEE SHEET S-24

MATCH LINE STA. 1033+50.00 SEE SHEET S-26

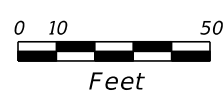
R2-1
24"x30"
700-1-11 1 AS
STA. 2088+06

45
SPEED
LIMIT

6" YELLOW W/
BDY RPM'S @
40' O.C.

70
SPEED
LIMIT

R2-1
48"x60"
700-1-22 1 AS
STA. 1029+80



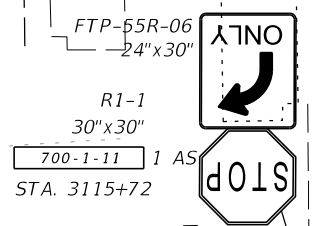
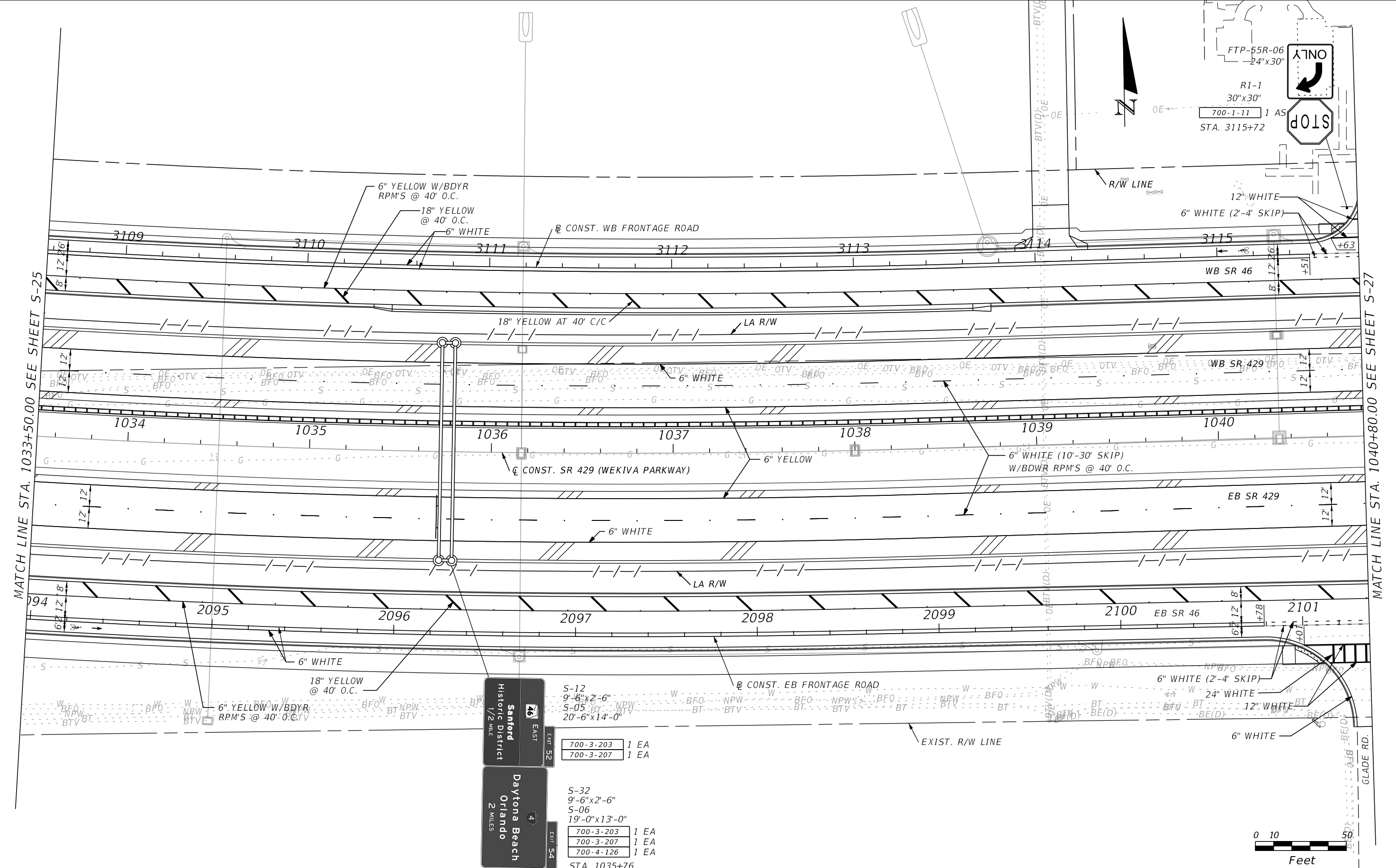
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-25



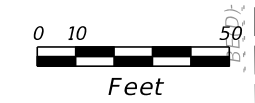
MATCH LINE STA. 1033+50.00 SEE SHEET S-25

MATCH LINE STA. 1040+80.00 SEE SHEET S-27

Sanford
Historic District
1/2 MILE

Daytona Beach
Orlando
2 MILES

- S-12
9'-6"x2'-6"
S-05 BT
20'-6"x14'-0"
- 700-3-203 1 EA
700-3-207 1 EA
- S-32
9'-6"x2'-6"
S-06
19'-0"x13'-0"
- 700-3-203 1 EA
700-3-207 1 EA
700-4-126 1 EA
- STA. 1035+76



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

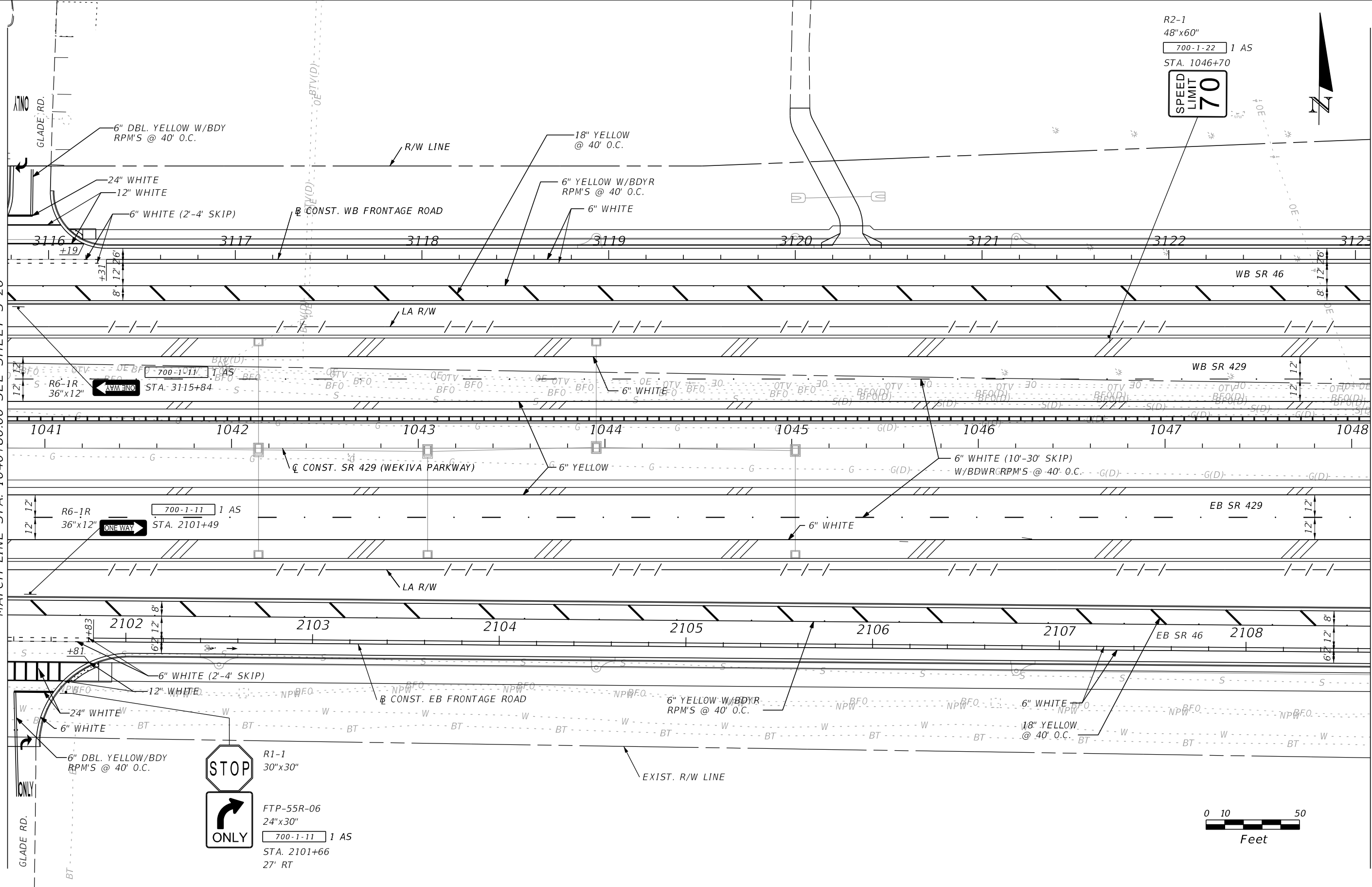
SHEET NO.
S-26

R2-1
48"x60"
700-1-22 1 AS
STA. 1046+70



MATCH LINE STA. 1040+80.00 SEE SHEET S-26

MATCH LINE STA. 1048+10.00 SEE SHEET S-28

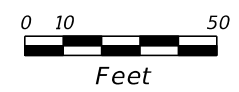


R1-1
30"x30"



FTP-55R-06
24"x30"

700-1-11 1 AS
STA. 2101+66
27' RT



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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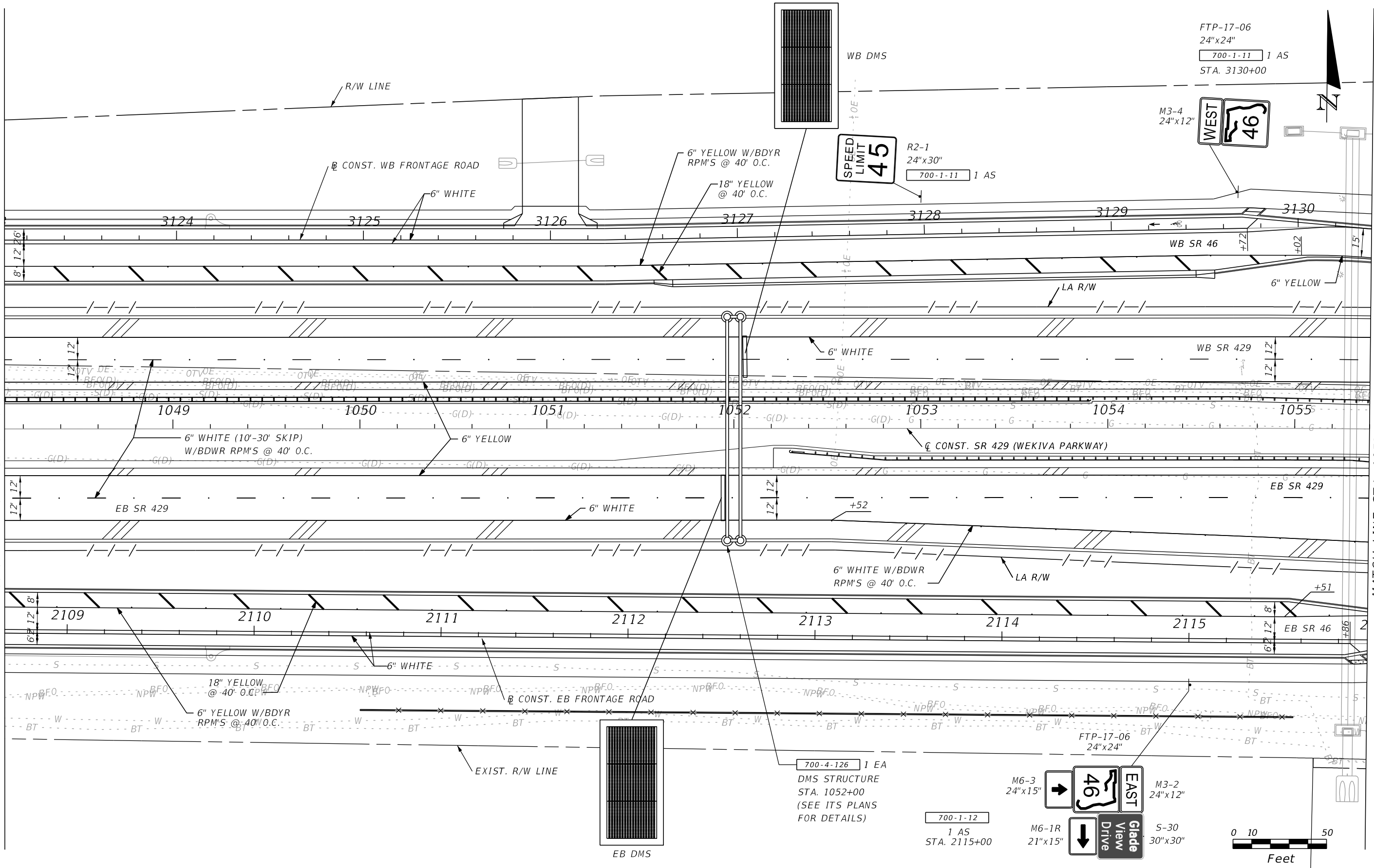
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-27

MATCH LINE STA. 1048+10.00 SEE SHEET S-27

MATCH LINE STA. 1055+40.00 SEE SHEET S-29



FTP-17-06
24"x24"
700-1-11 1 AS
STA. 3130+00

SPEED LIMIT 45
R2-1
24"x30"
700-1-11 1 AS

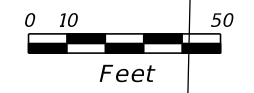
M3-4
24"x12"
WEST
46

6" WHITE (10'-30' SKIP)
W/BDWR RPM'S @ 40' O.C.

700-4-126 1 EA
DMS STRUCTURE
STA. 1052+00
(SEE ITS PLANS
FOR DETAILS)

700-1-12
1 AS
STA. 2115+00

M6-3 24"x15"
M3-2 24"x12"
M6-1R 21"x15"
S-30 30"x30"
EAST
46
Glade View Drive



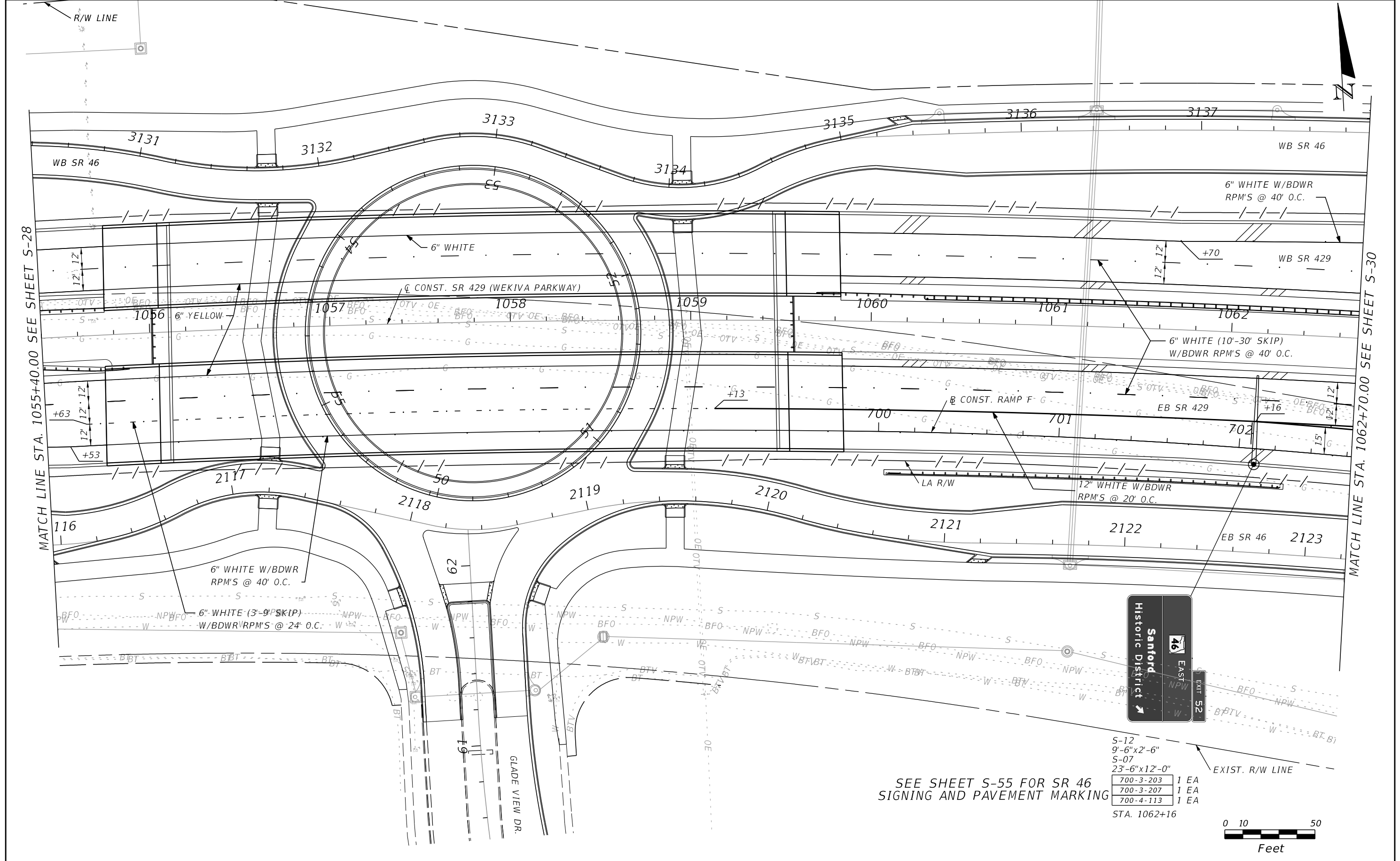
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

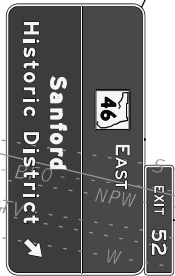
SIGNING AND MARKING PLAN

SHEET NO.
S-28



MATCH LINE STA. 1055+40.00 SEE SHEET S-28

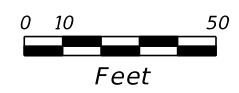
MATCH LINE STA. 1062+70.00 SEE SHEET S-30



SEE SHEET S-55 FOR SR 46
SIGNING AND PAVEMENT MARKING

S-12	9'-6" x 2'-6"	1 EA
S-07	23'-6" x 12'-0"	1 EA
700-3-203		1 EA
700-3-207		1 EA
700-4-113		1 EA

STA. 1062+16



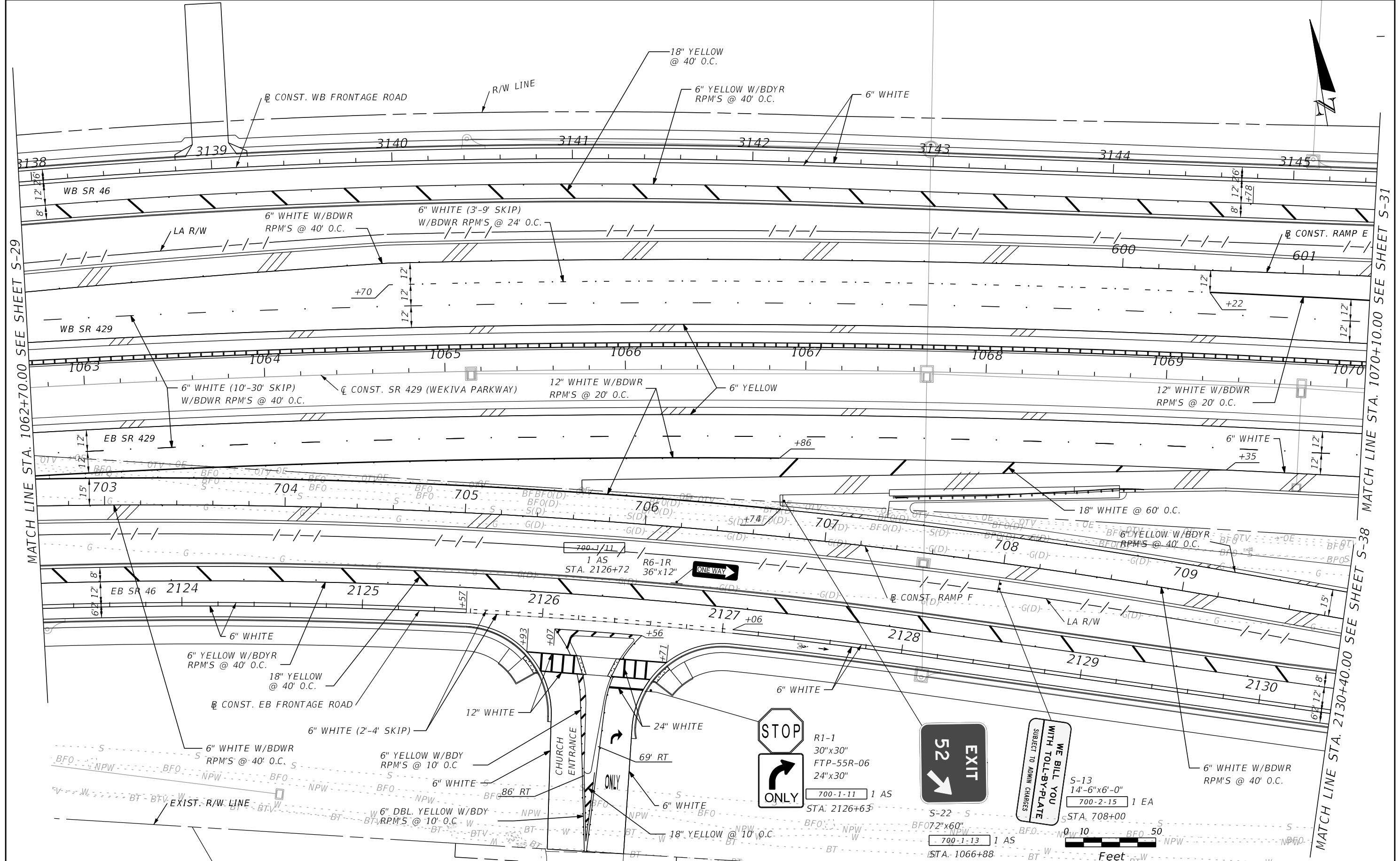
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-29



MATCH LINE STA. 1062+70.00 SEE SHEET S-29

MATCH LINE STA. 1070+10.00 SEE SHEET S-31

MATCH LINE STA. 2130+40.00 SEE SHEET S-38

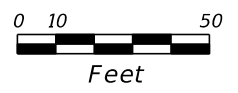
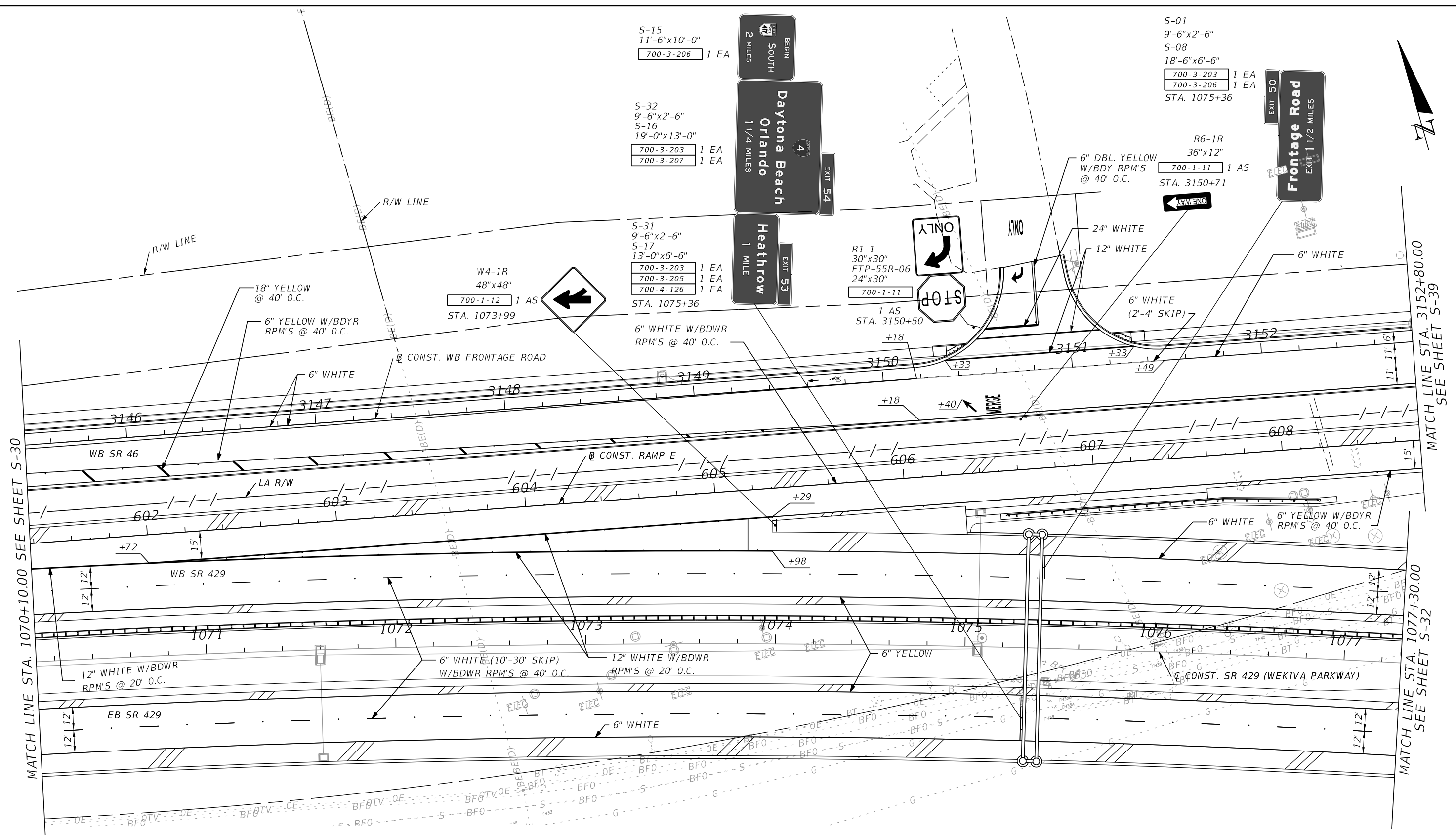
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-30



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

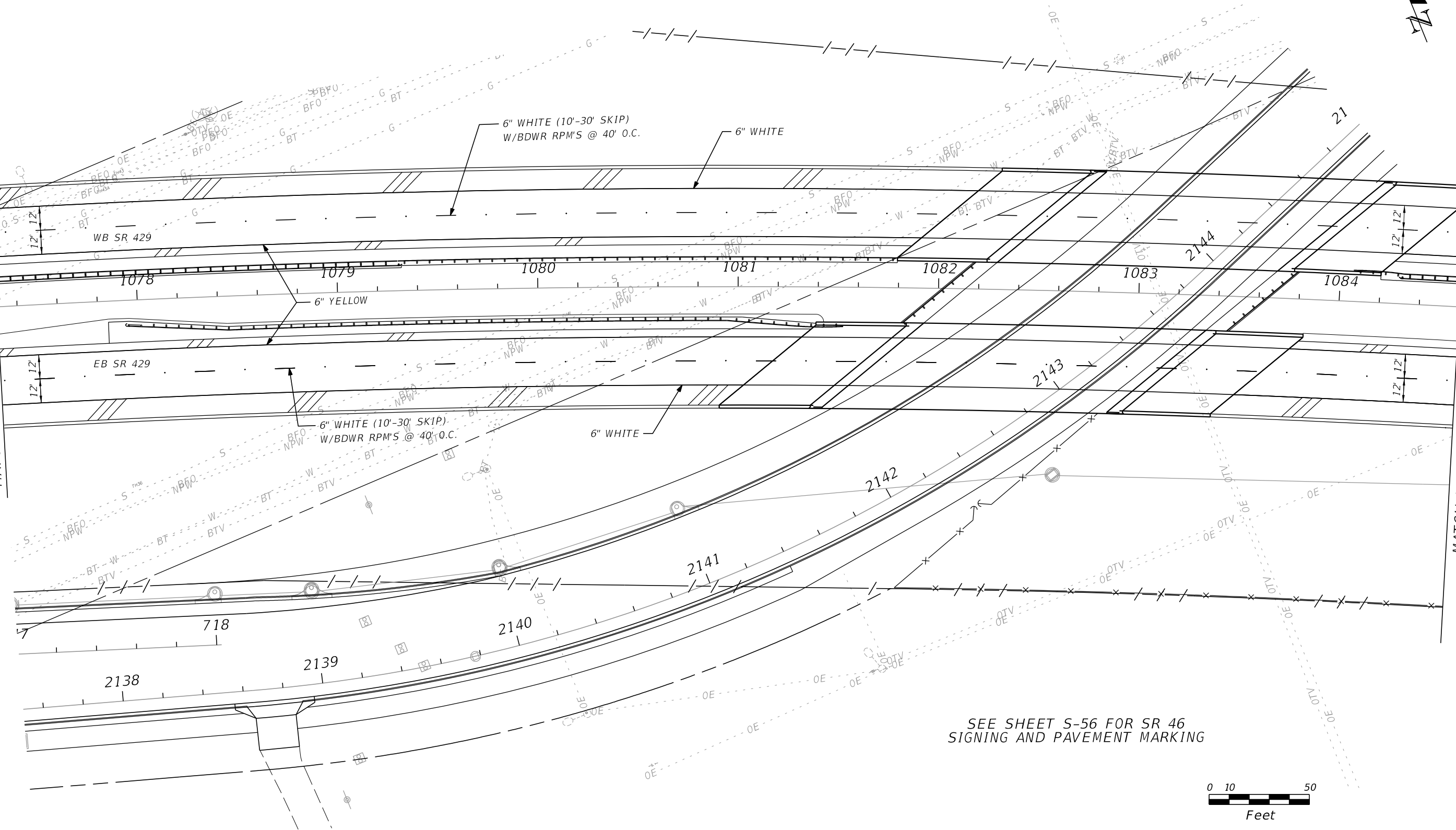
SIGNING AND MARKING PLAN

SHEET NO.
S-31

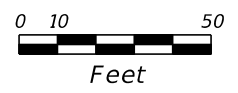


MATCH LINE STA. 1077+30.00 SEE SHEET S-31

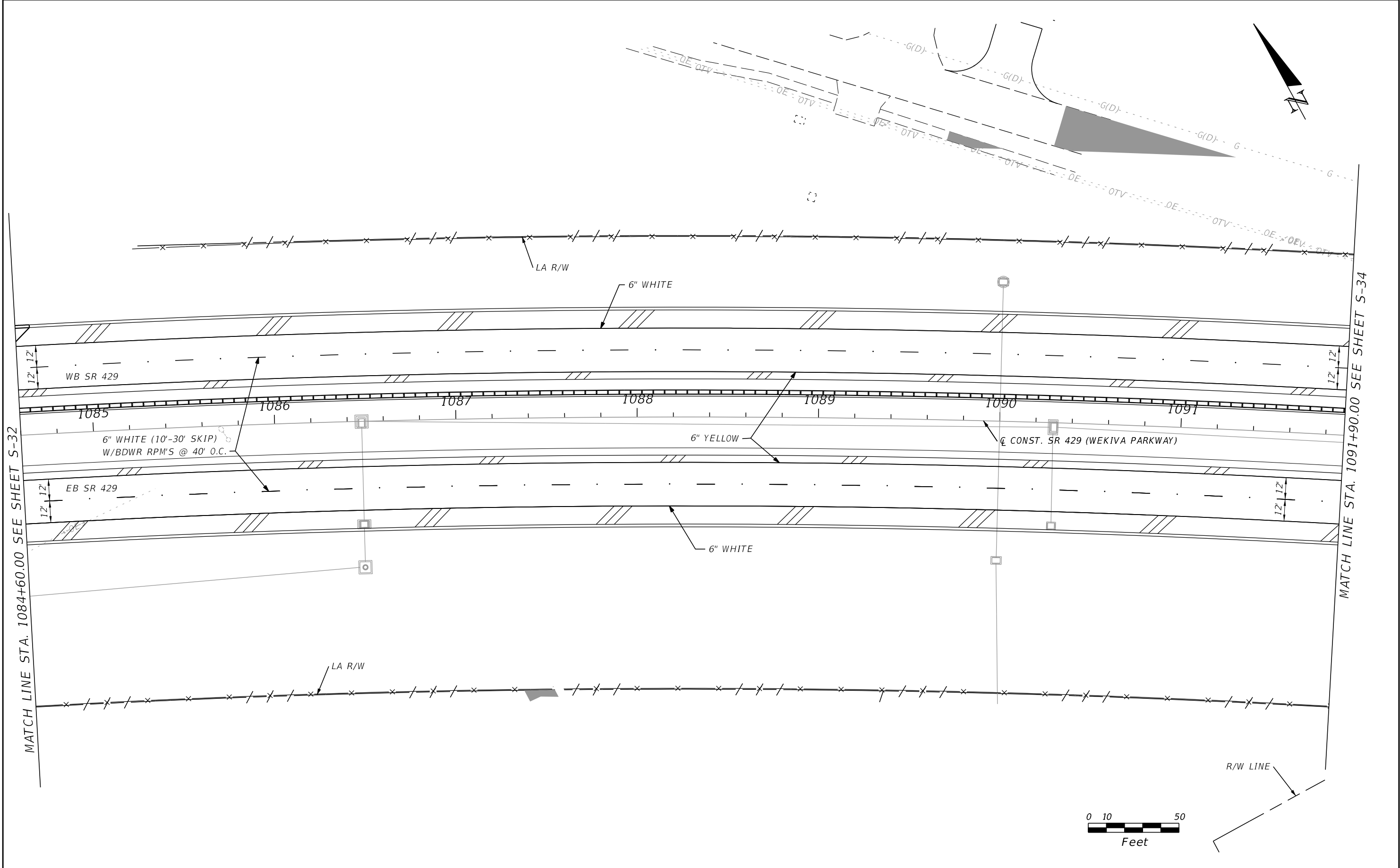
MATCH LINE STA. 1084+60.00 SEE SHEET S-33



SEE SHEET S-56 FOR SR 46
SIGNING AND PAVEMENT MARKING

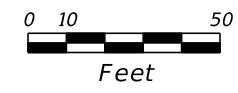


REVISIONS				CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING AND MARKING PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-32
					429	SEMINOLE	240200-2-52-01		

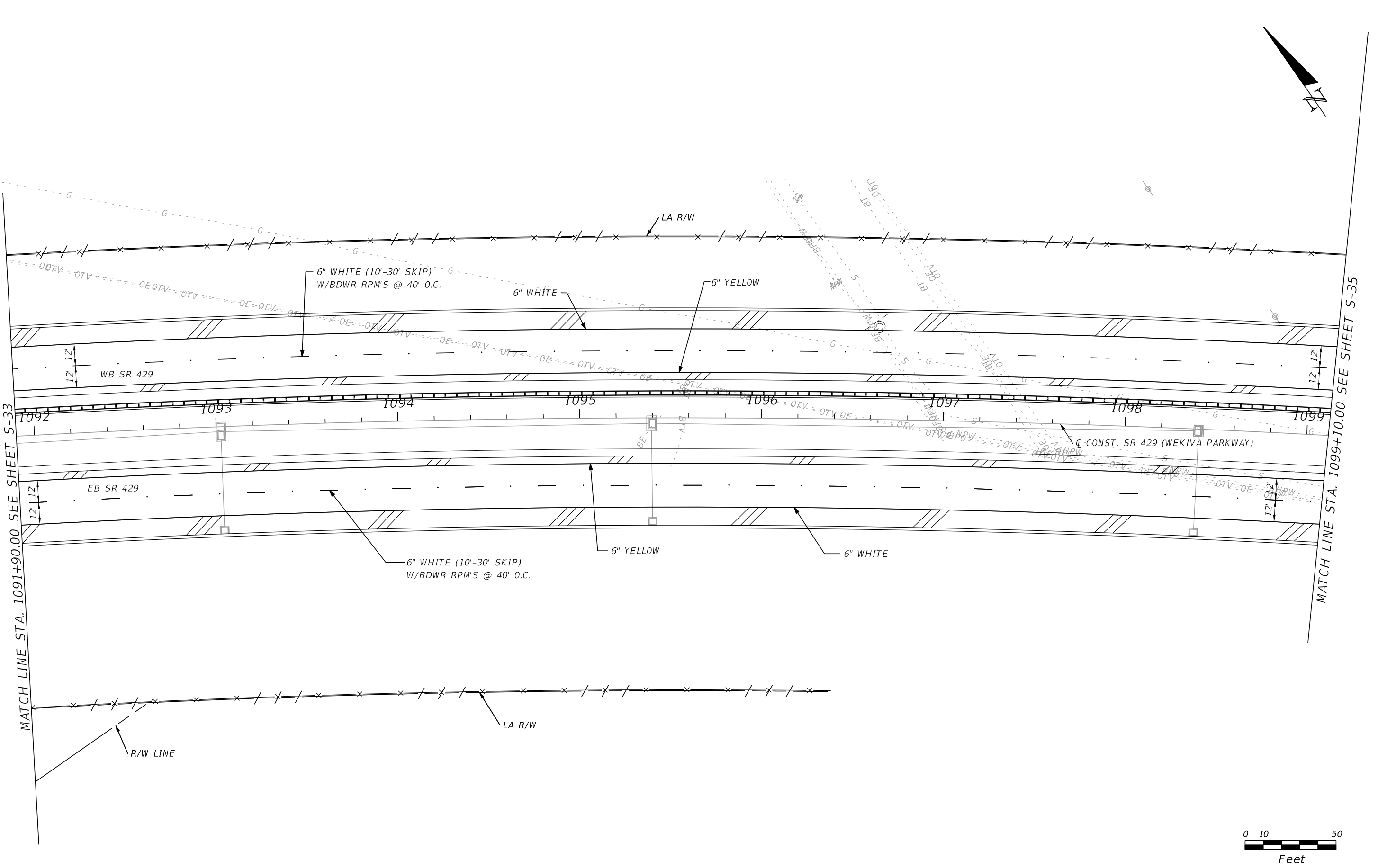
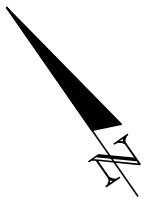


MATCH LINE STA. 1084+60.00 SEE SHEET S-32

MATCH LINE STA. 1091+90.00 SEE SHEET S-34



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		



MATCH LINE STA. 1091+90.00 SEE SHEET S-33

MATCH LINE STA. 1099+10.00 SEE SHEET S-35



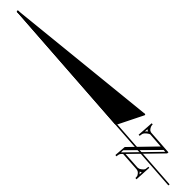
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

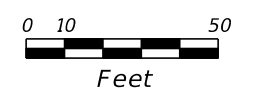
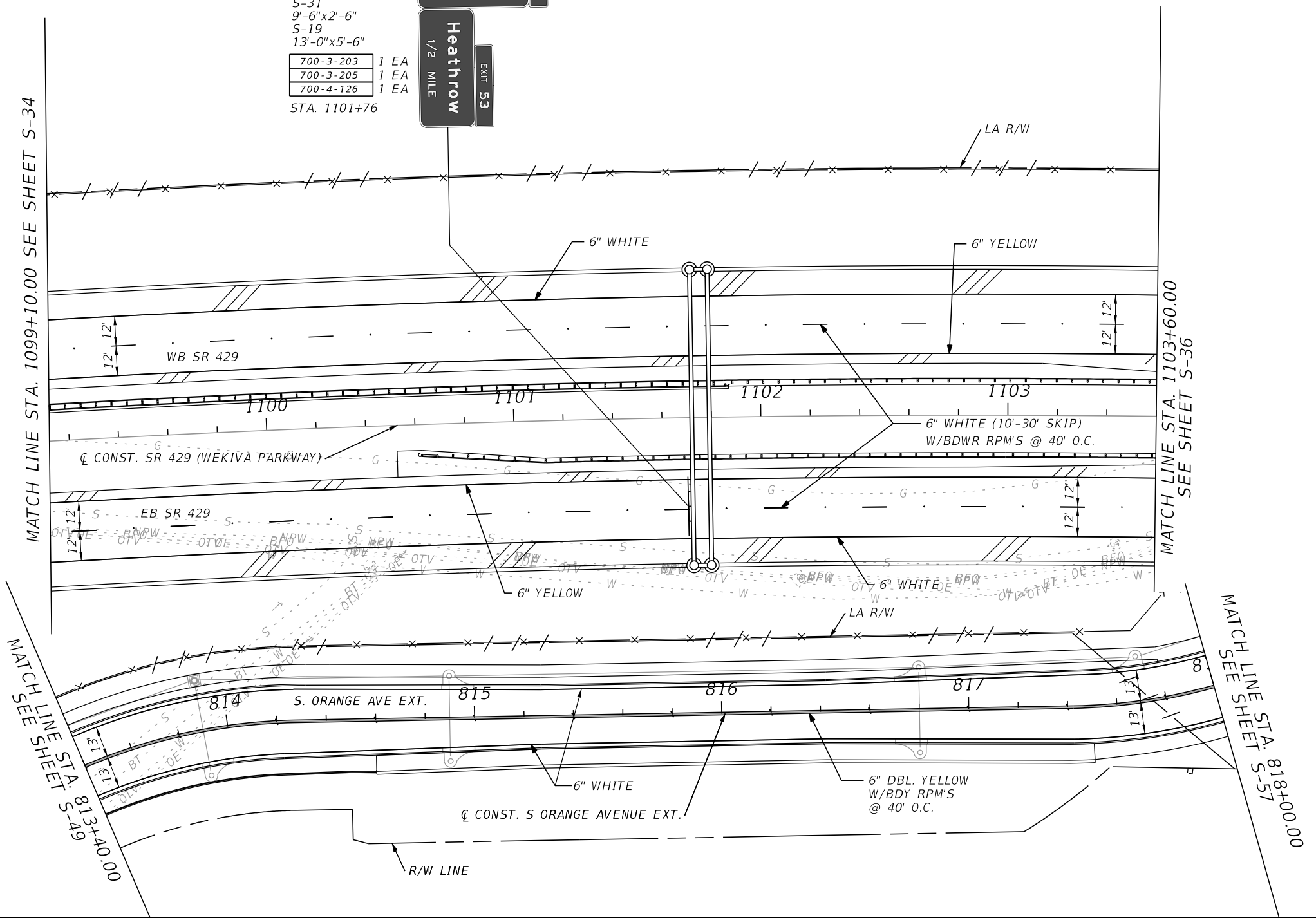
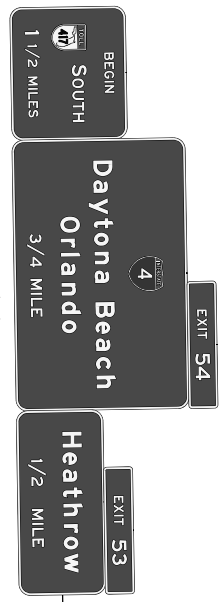
SHEET NO.
S-34



S-20
11'-6" x 10'-0"
700-3-206 1 EA

S-32
9'-6" x 2'-6"
S-21
19'-0" x 12'-0"
700-3-203 1 EA
700-3-207 1 EA

S-31
9'-6" x 2'-6"
S-19
13'-0" x 5'-6"
700-3-203 1 EA
700-3-205 1 EA
700-4-126 1 EA
STA. 1101+76



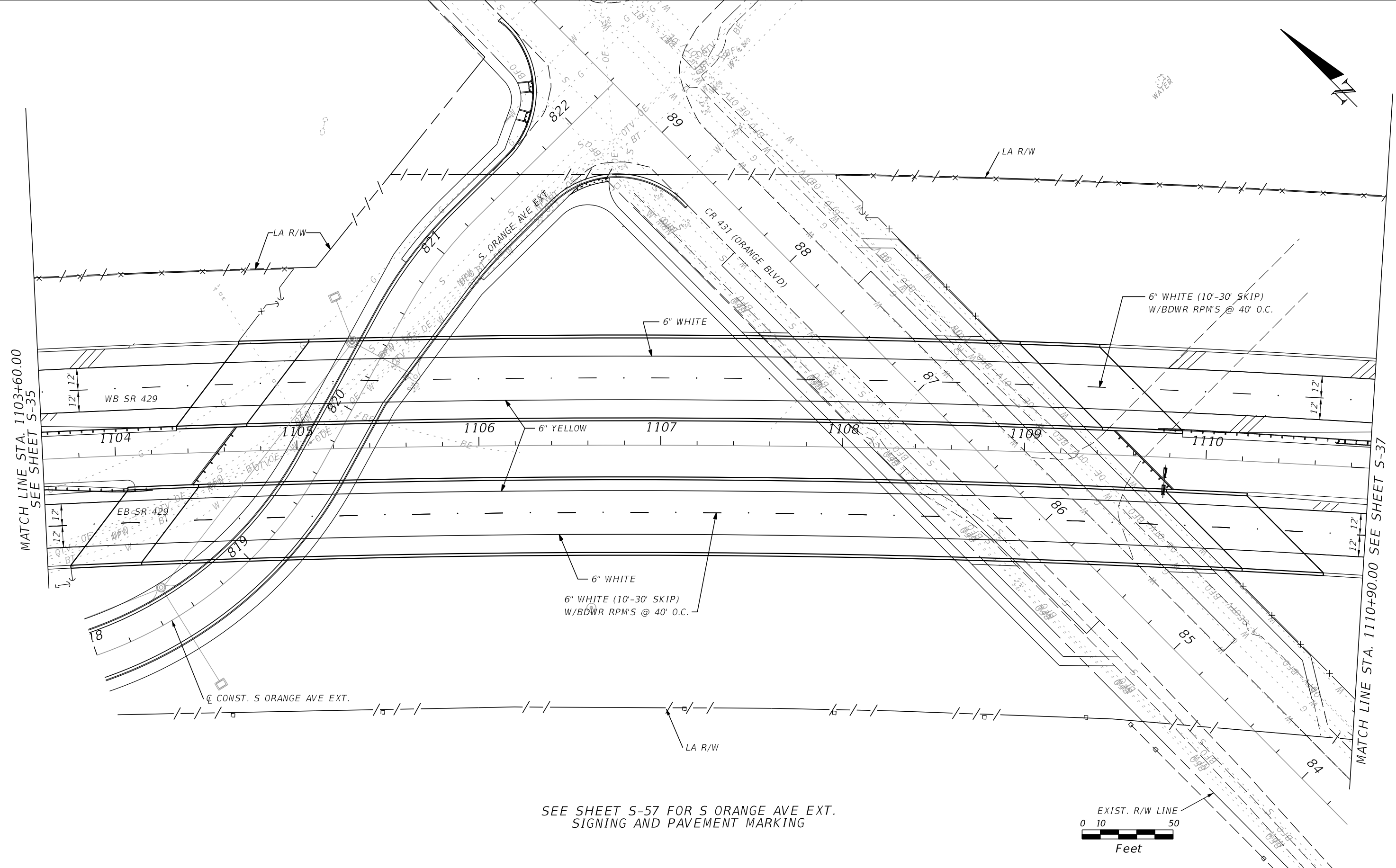
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
Traffic Engineering Data Solutions, Inc.
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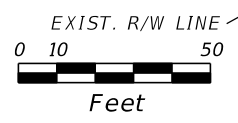
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-35



SEE SHEET S-57 FOR S ORANGE AVE EXT.
SIGNING AND PAVEMENT MARKING



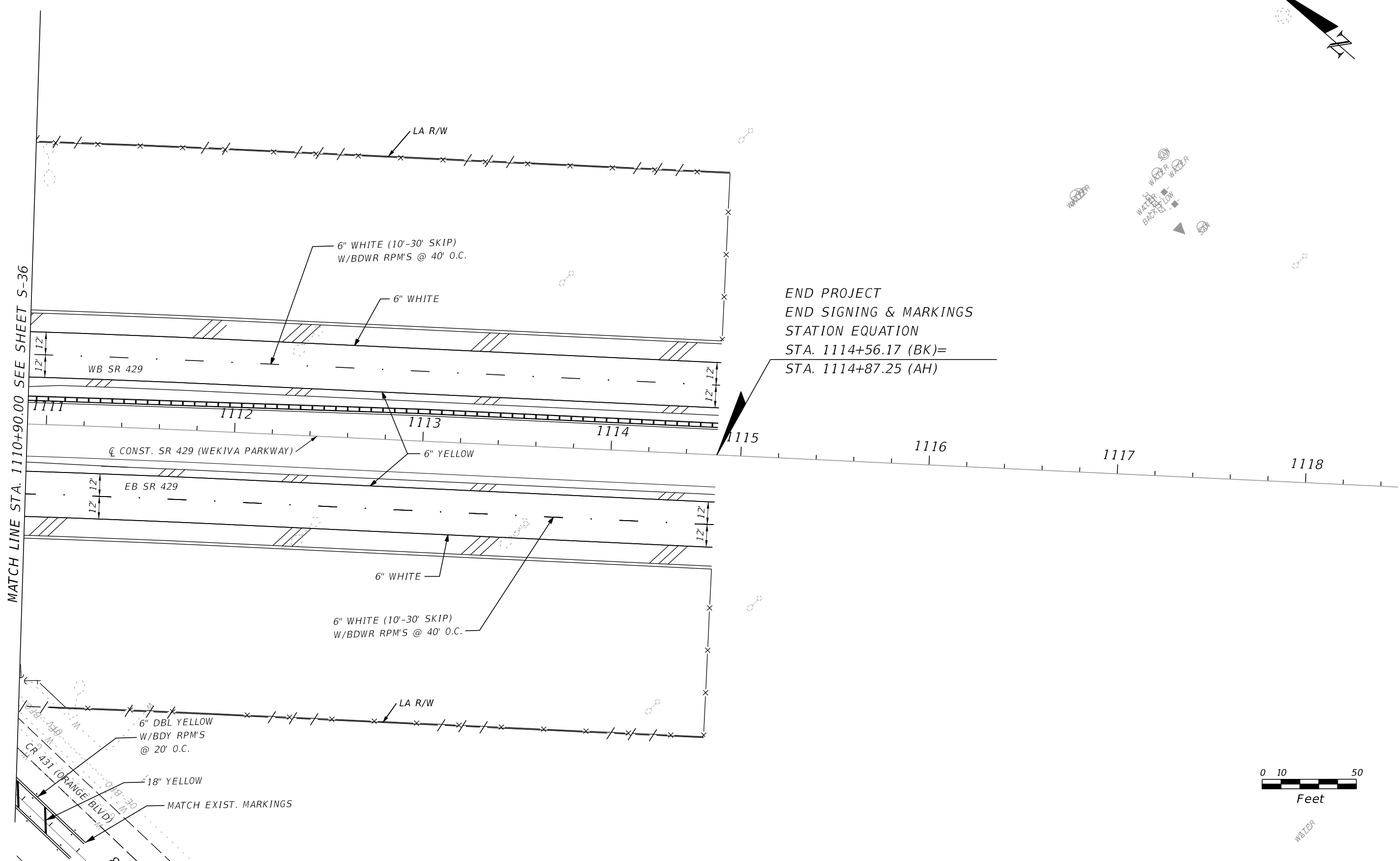
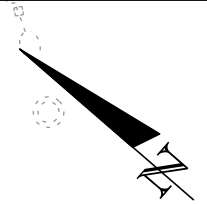
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-36



END PROJECT
 END SIGNING & MARKINGS
 STATION EQUATION
 STA. 1114+56.17 (BK)=
 STA. 1114+87.25 (AH)

MATCH LINE STA. 1110+90.00 SEE SHEET S-36

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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 80 Spring Vista Drive Phone: 386.753.0558
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

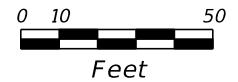
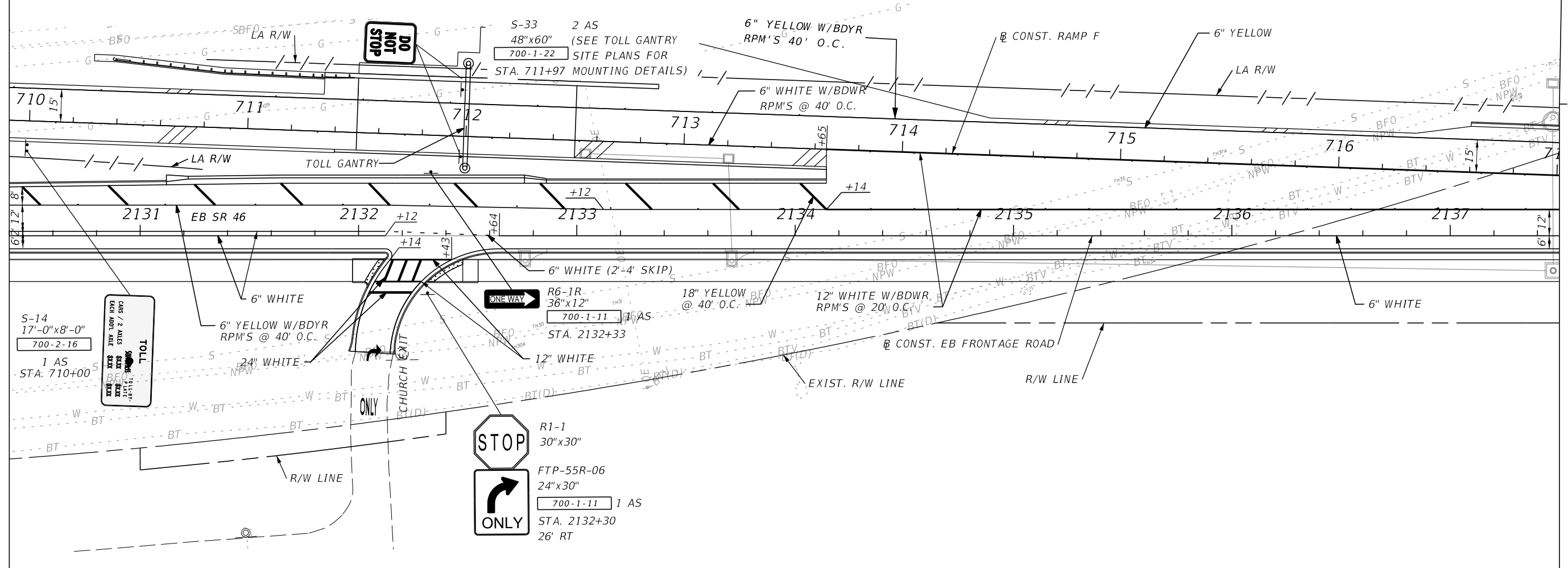
SIGNING AND MARKING PLAN

SHEET NO.
 S-37

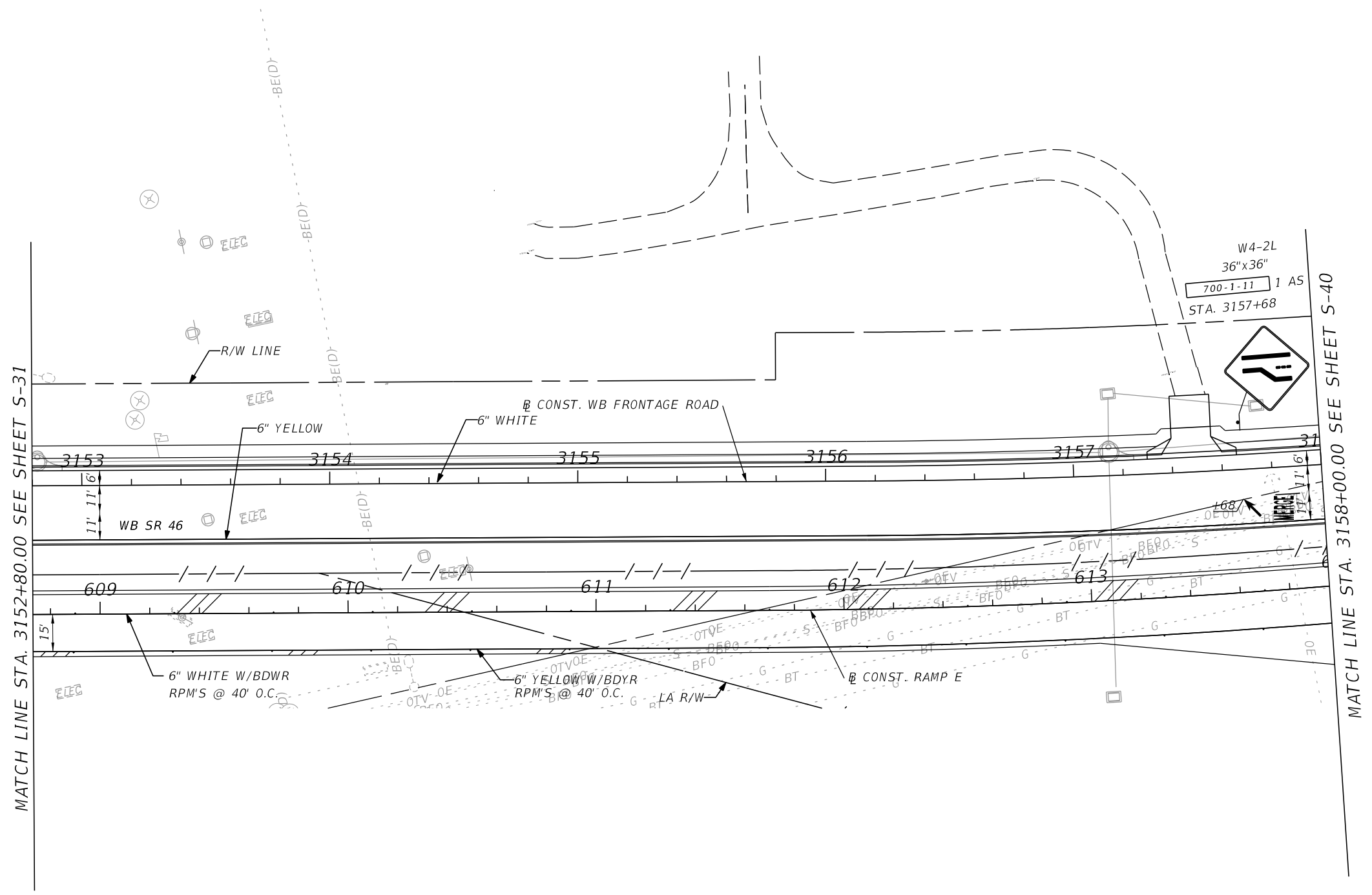


MATCH LINE STA. 2130+40.00
SEE SHEET S-30

MATCH LINE STA. 2137+50.00
SEE SHEET S-56

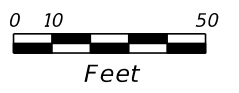


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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-38
					429	SEMINOLE	240200-2-52-01		

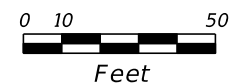
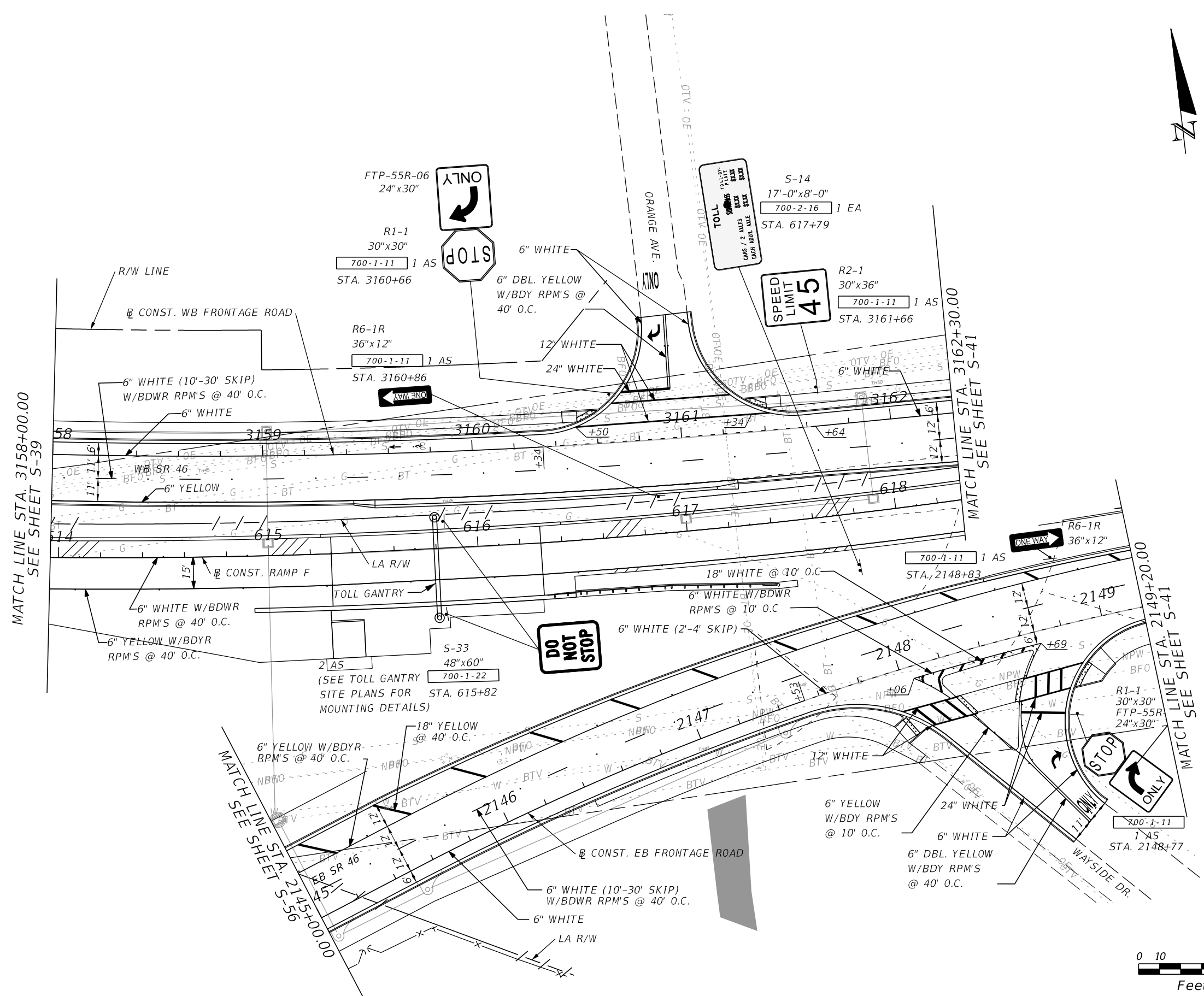


MATCH LINE STA. 3152+80.00 SEE SHEET S-31

MATCH LINE STA. 3158+00.00 SEE SHEET S-40



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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		S-39
					429	SEMINOLE	240200-2-52-01		



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

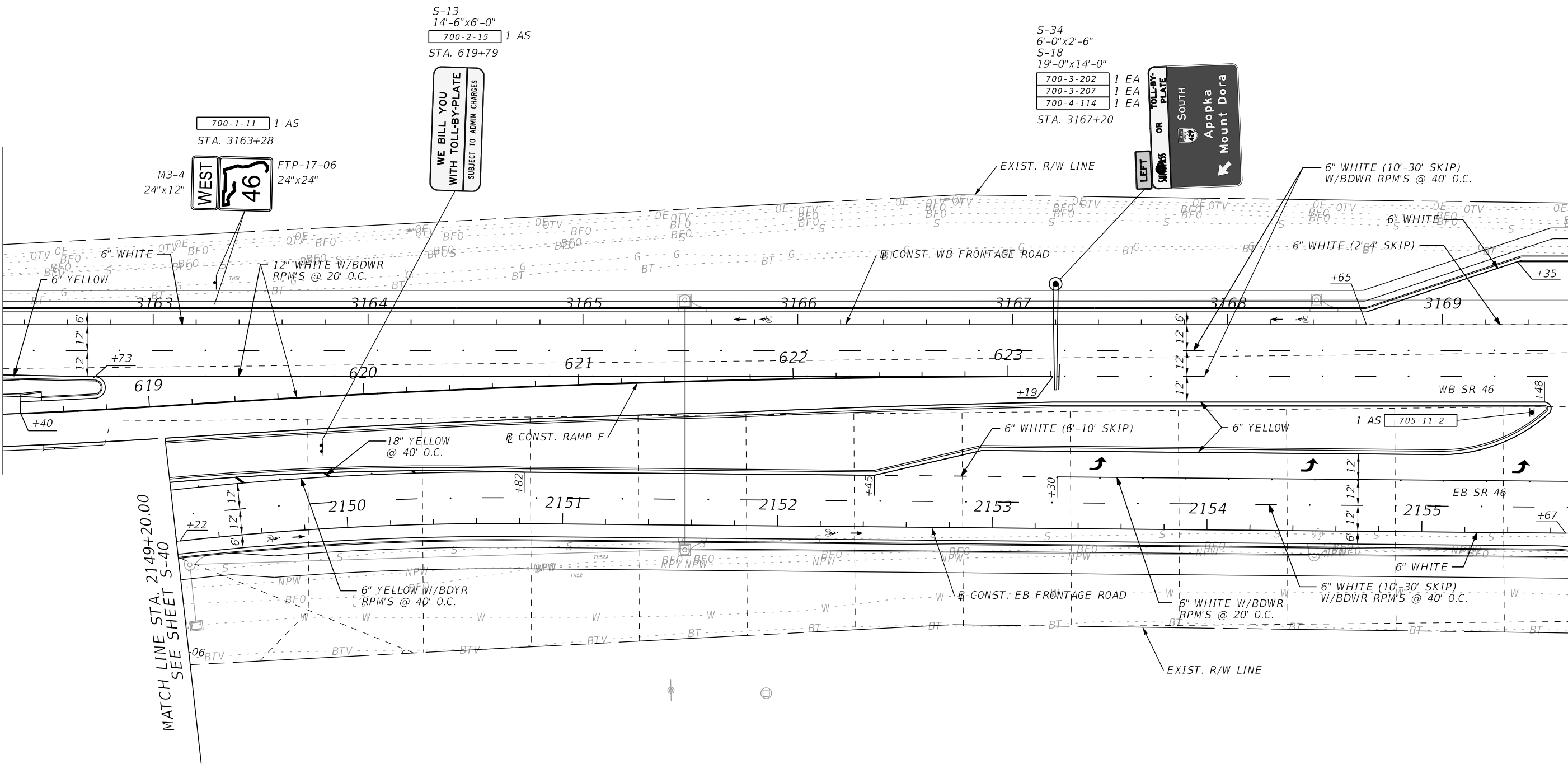
SIGNING AND MARKING PLAN

SHEET NO.
S-40

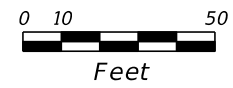


MATCH LINE STA. 3162+30.00
SEE SHEET S-40

MATCH LINE STA. 3169+60.00
SEE SHEET S-42



MATCH LINE STA. 2149+20.00
SEE SHEET S-40



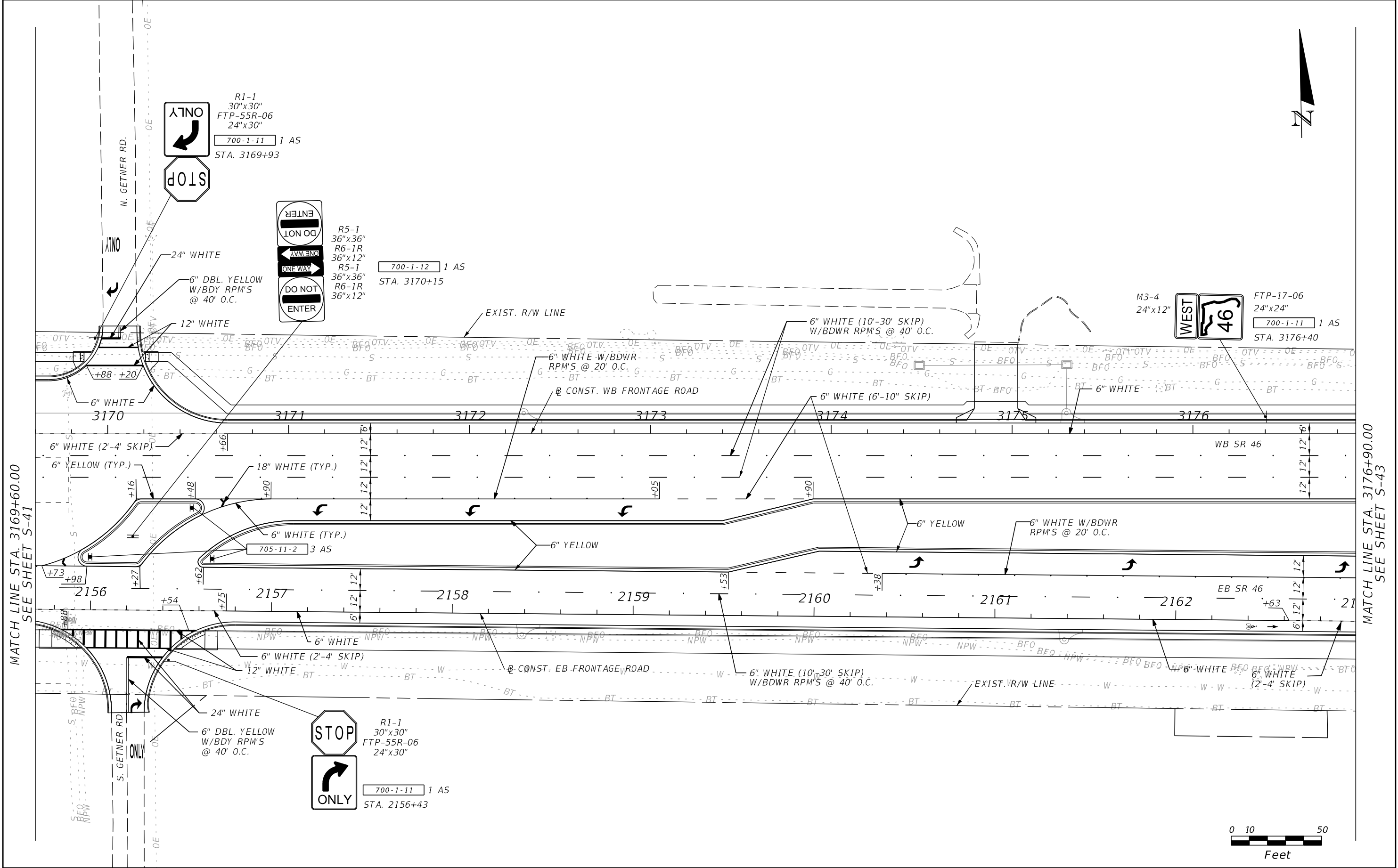
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
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 DeBary, FL 32713 Fax: 386.753.0778
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-41



MATCH LINE STA. 3169+60.00
SEE SHEET S-41

MATCH LINE STA. 3176+90.00
SEE SHEET S-43



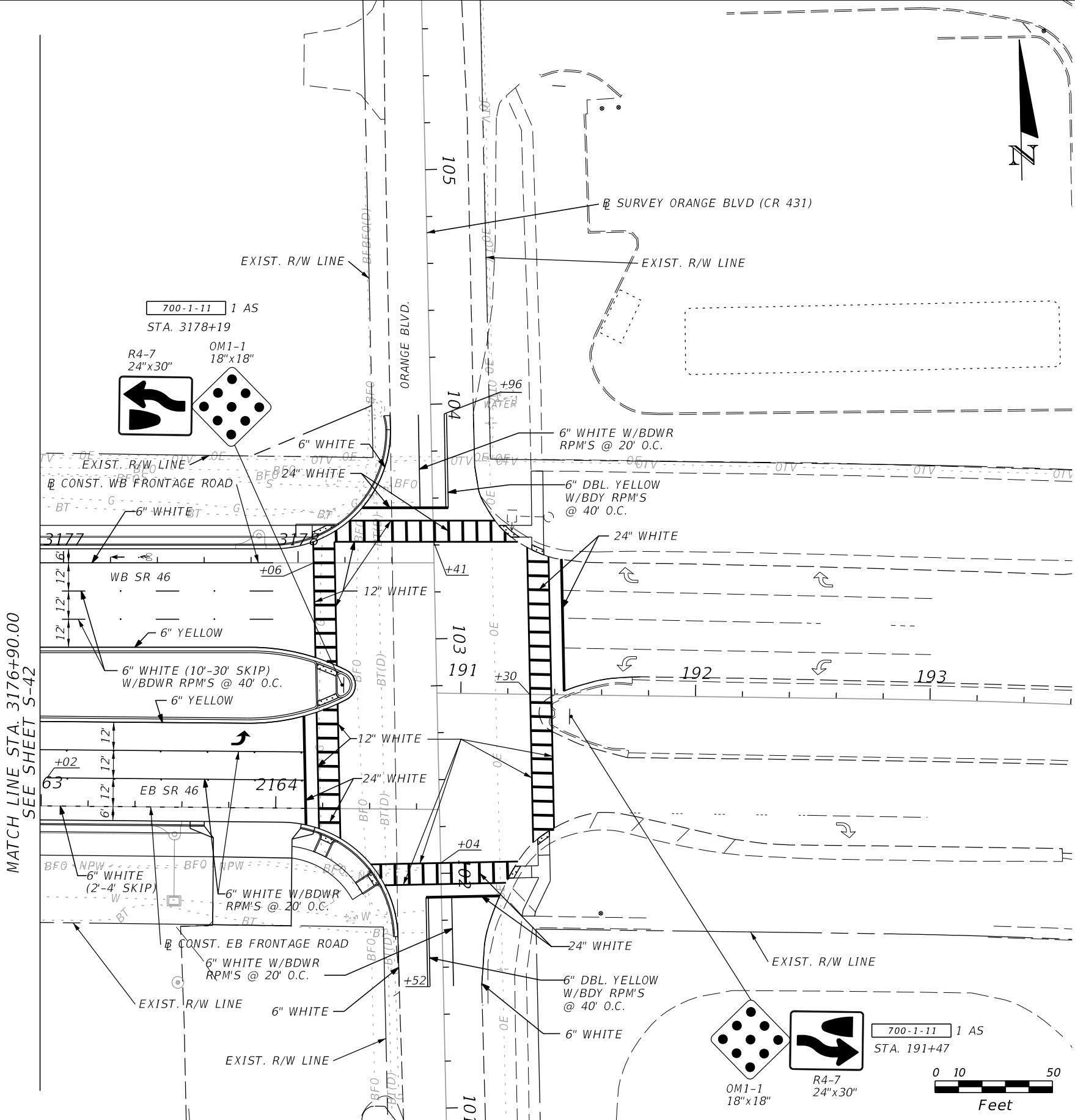
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
 Traffic Engineering Data Solutions, Inc.
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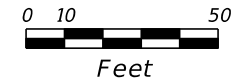
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-42



MATCH LINE STA. 3176+90.00
SEE SHEET S-42



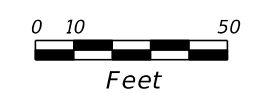
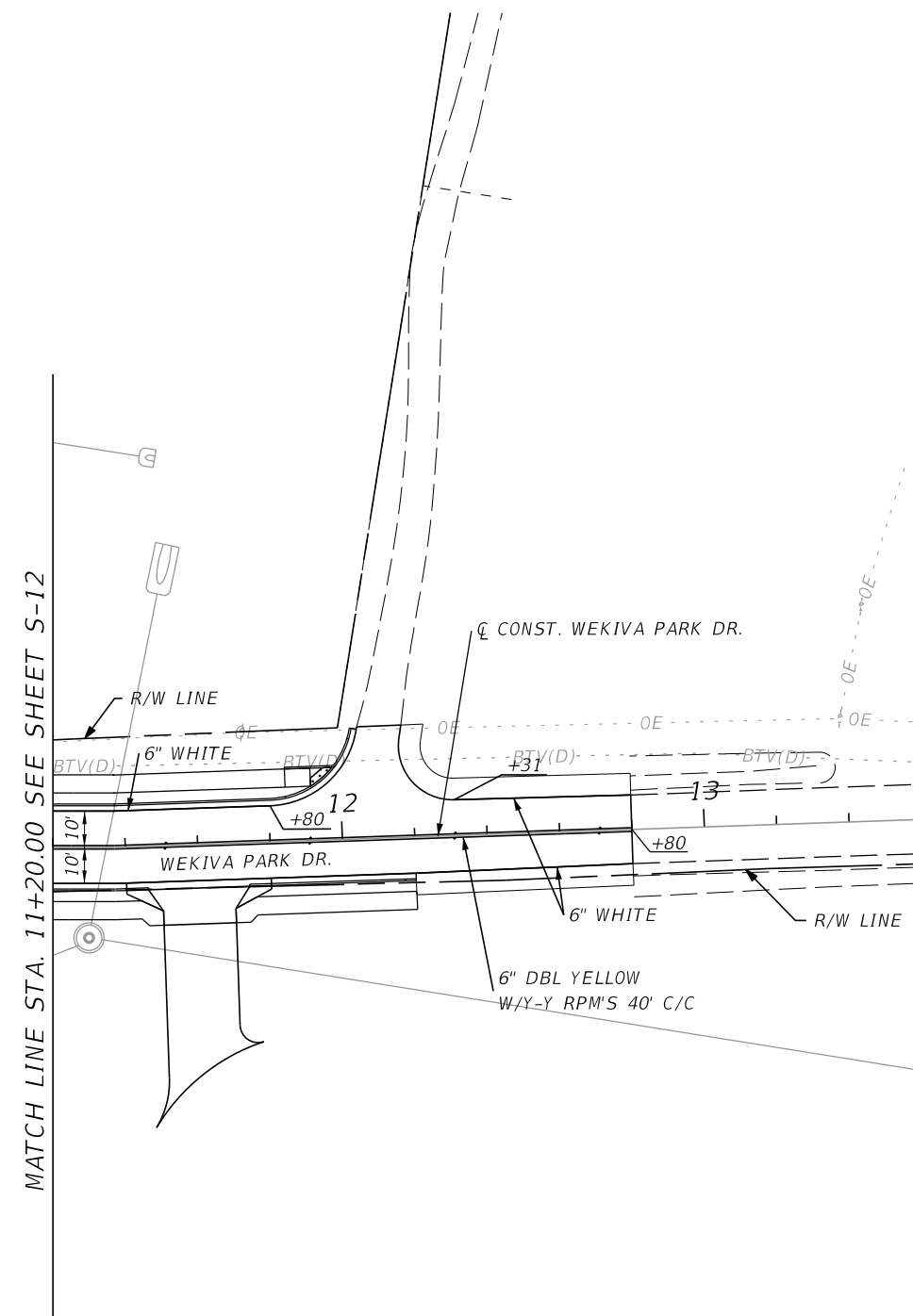
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-43



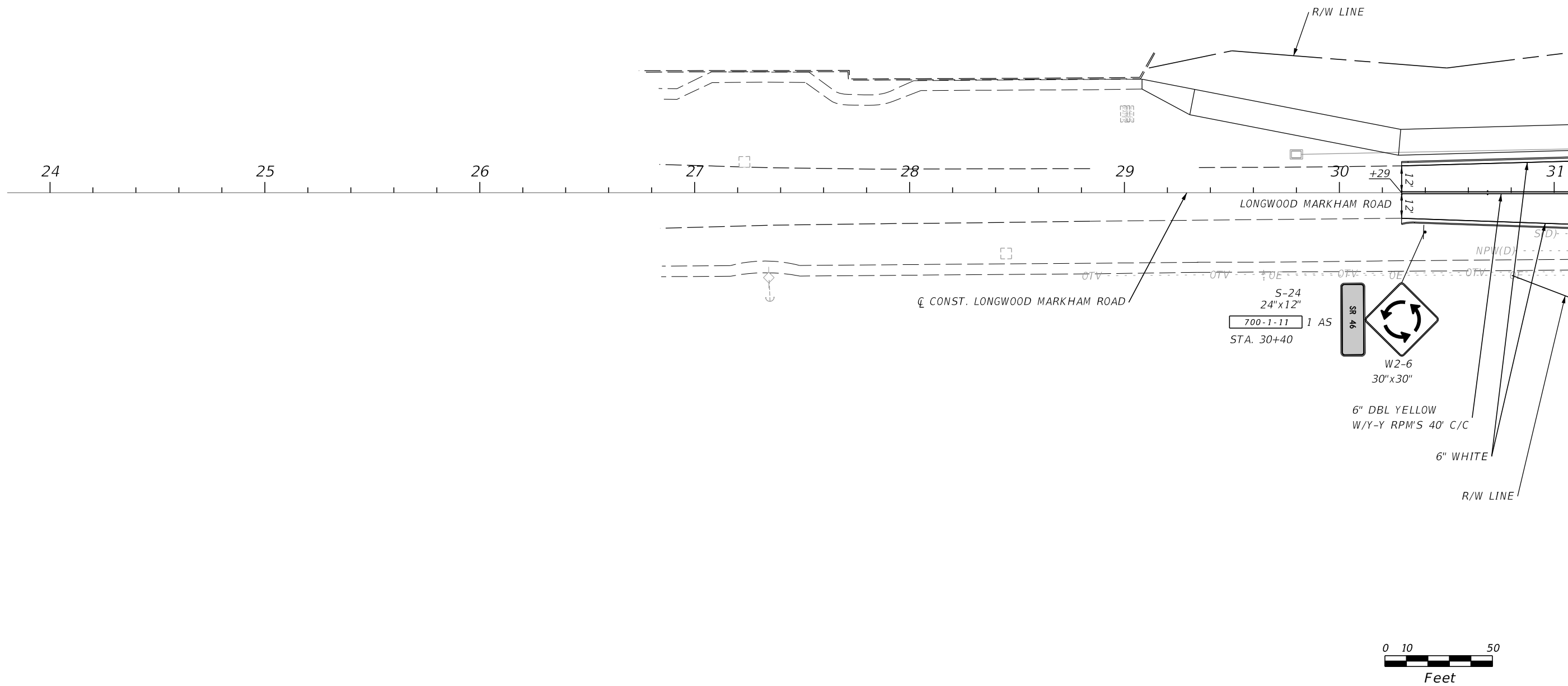
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-44



MATCH LINE STA. 31+10.00 SEE SHEET S-52

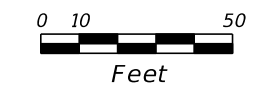
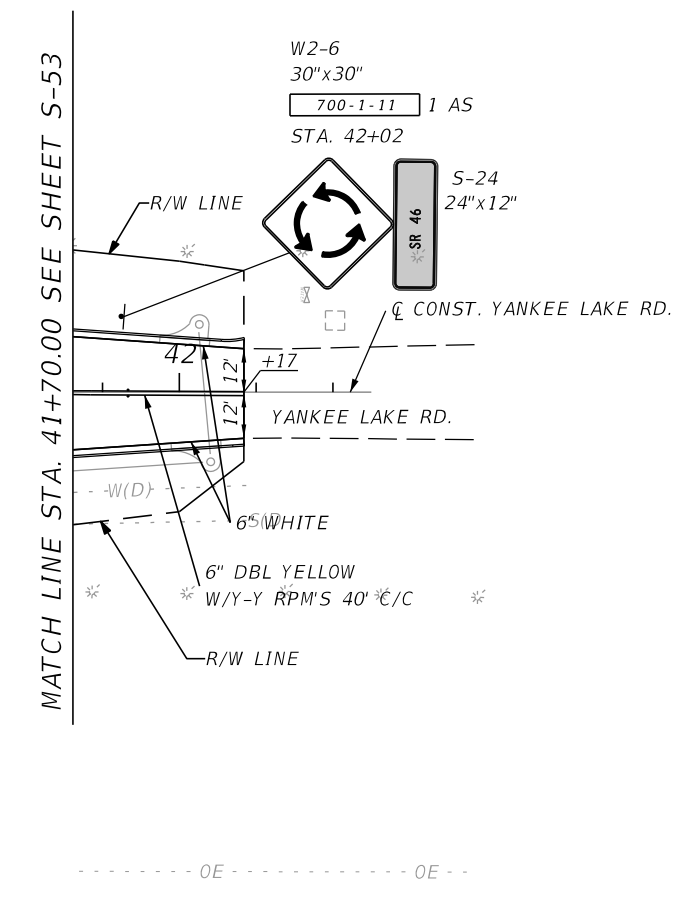
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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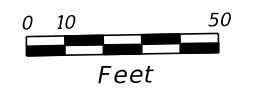
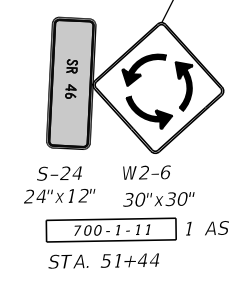
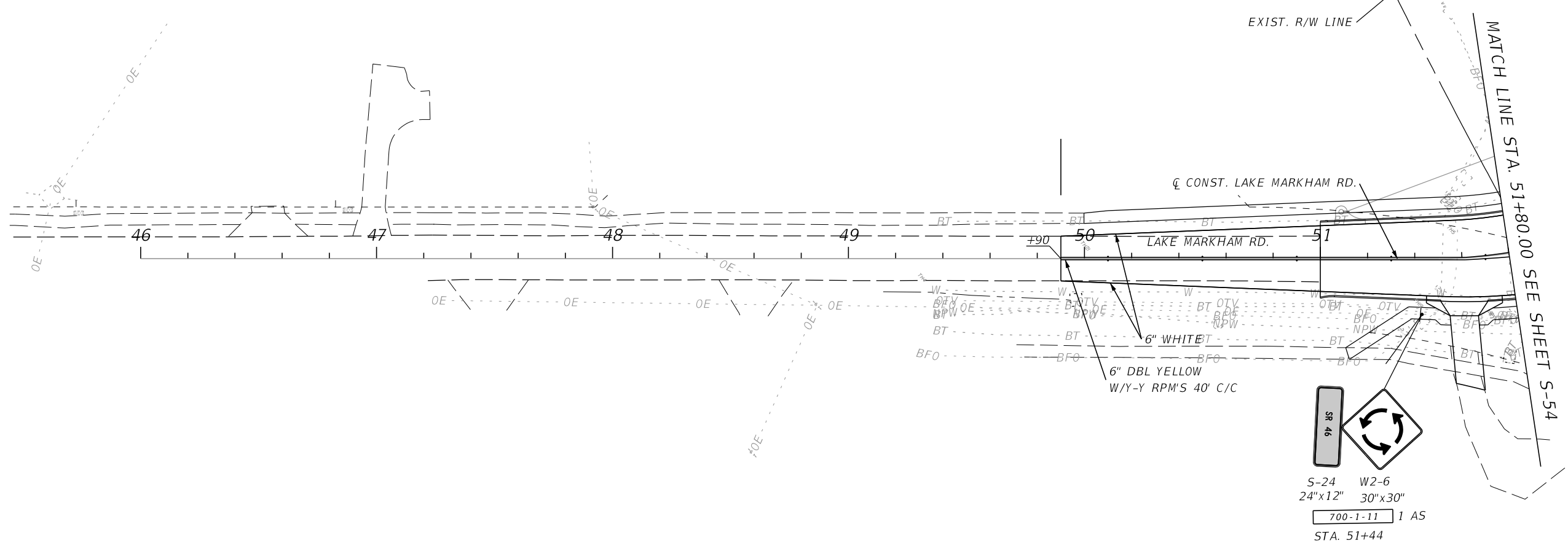
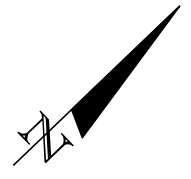
<i>STATE OF FLORIDA</i> <i>DEPARTMENT OF TRANSPORTATION</i>		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

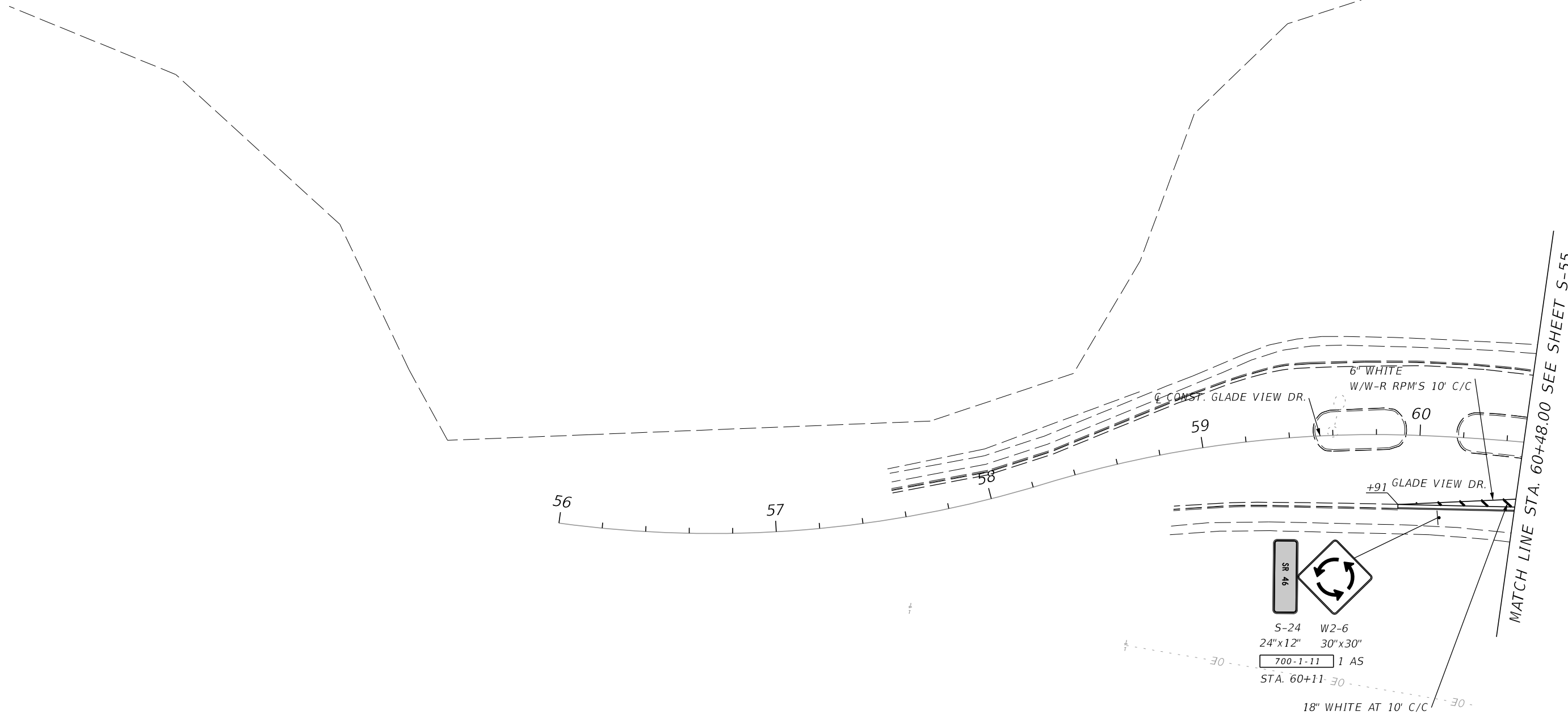
SHEET
NO.
S-45



REVISIONS				CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING AND MARKING PLAN	SHEET NO. S-46
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				429	SEMINOLE	240200-2-52-01			



REVISIONS				CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING AND MARKING PLAN	SHEET NO. S-47
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		



56 57 58 59 60

CONST. GLADE VIEW DR.

6" WHITE
W/W-R RPM'S 10' C/C

+91 GLADE VIEW DR.

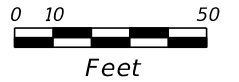
SR 46

S-24 24"x12"
W2-6 30"x30"
700-1-11 1 AS

STA. 60+11.30

18" WHITE AT 10' C/C

MATCH LINE STA. 60+48.00 SEE SHEET S-55



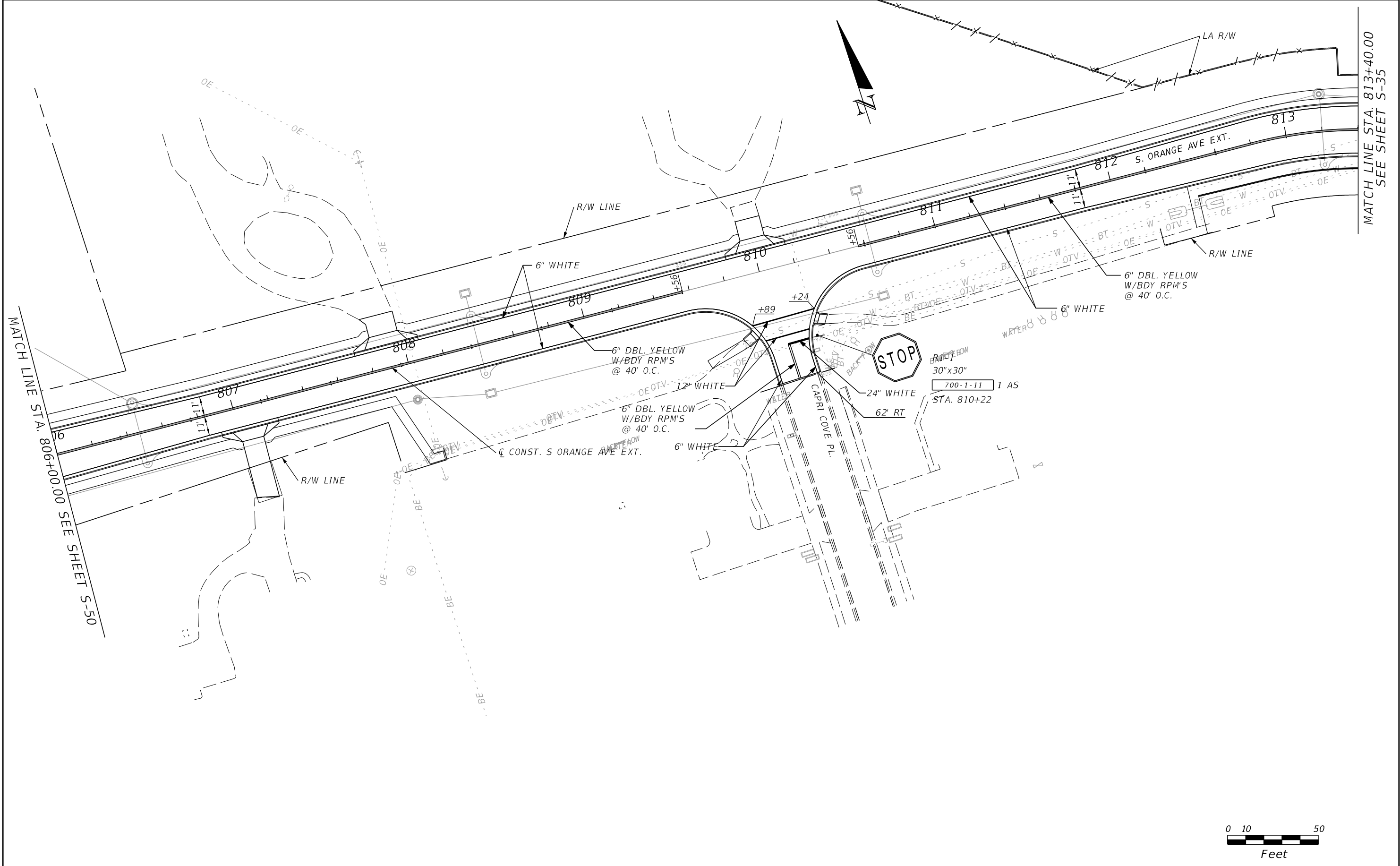
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-48



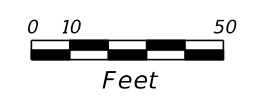
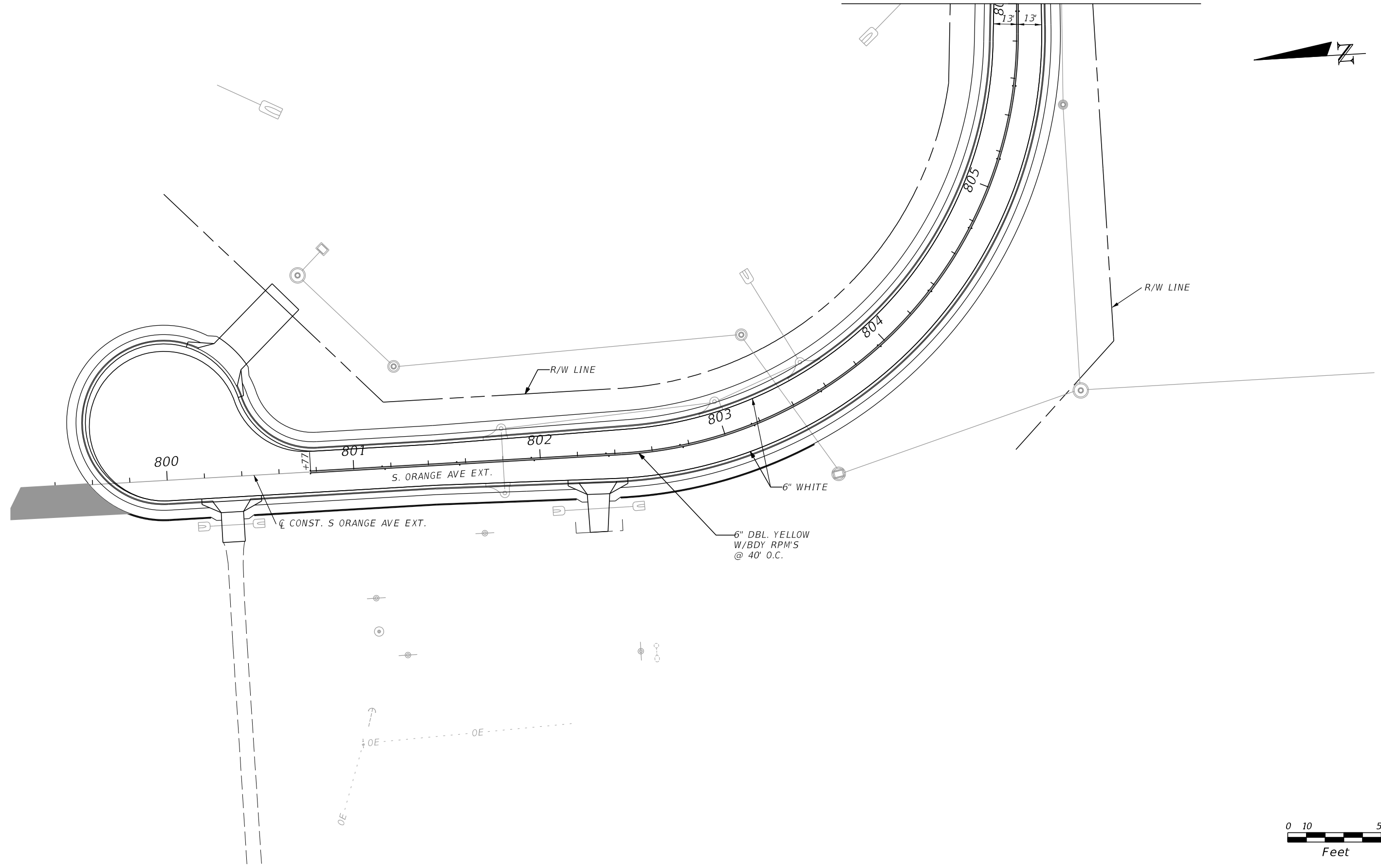
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
 Traffic Engineering Data Solutions, Inc.
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

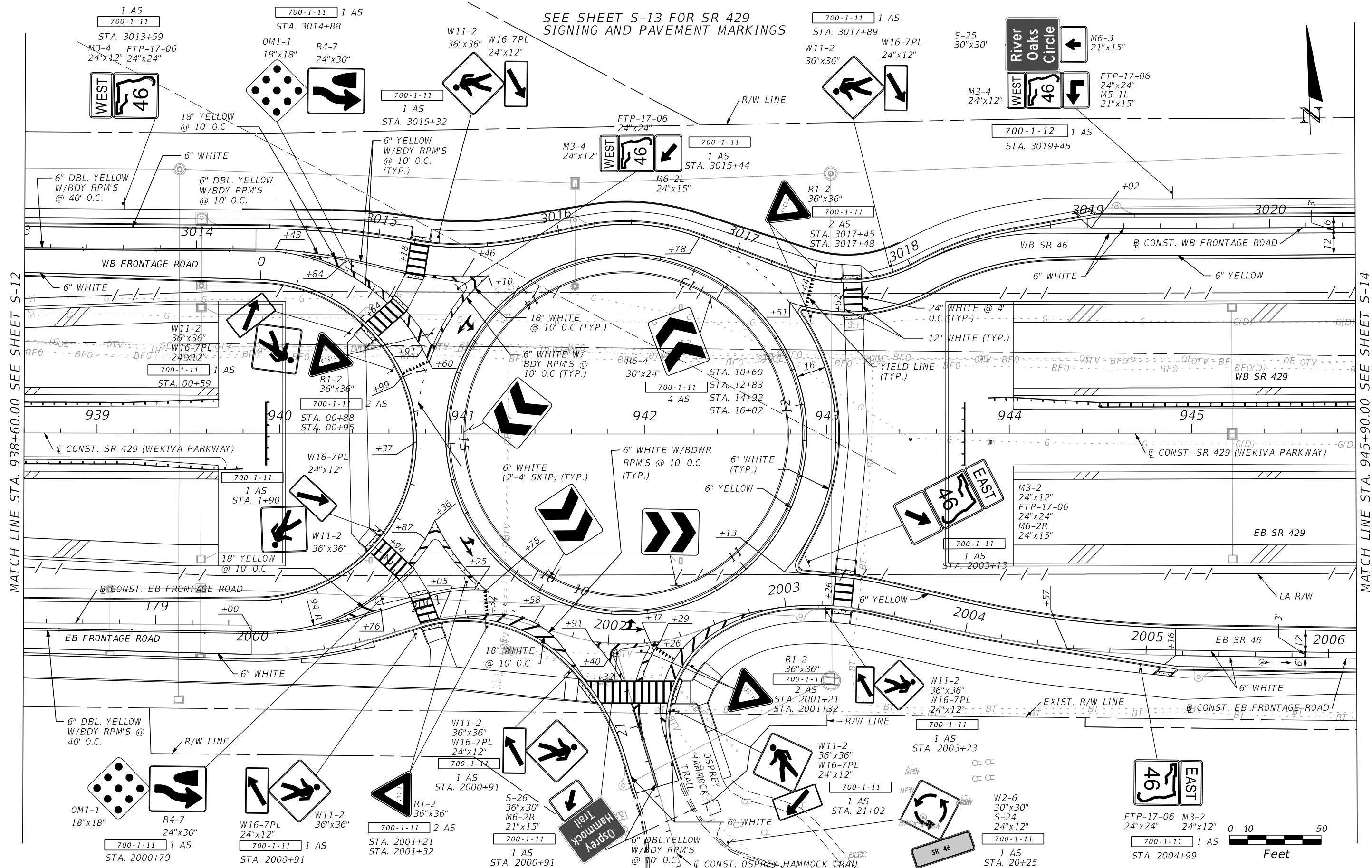
SHEET NO.
S-49



REVISIONS				CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. S-50
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					429	SEMINOLE	240200-2-52-01	

SIGNING AND MARKING PLAN

SEE SHEET S-13 FOR SR 429
SIGNING AND PAVEMENT MARKINGS



MATCH LINE STA. 938+60.00 SEE SHEET S-12

MATCH LINE STA. 945+90.00 SEE SHEET S-14

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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Traffic Engineering Data Solutions, Inc.
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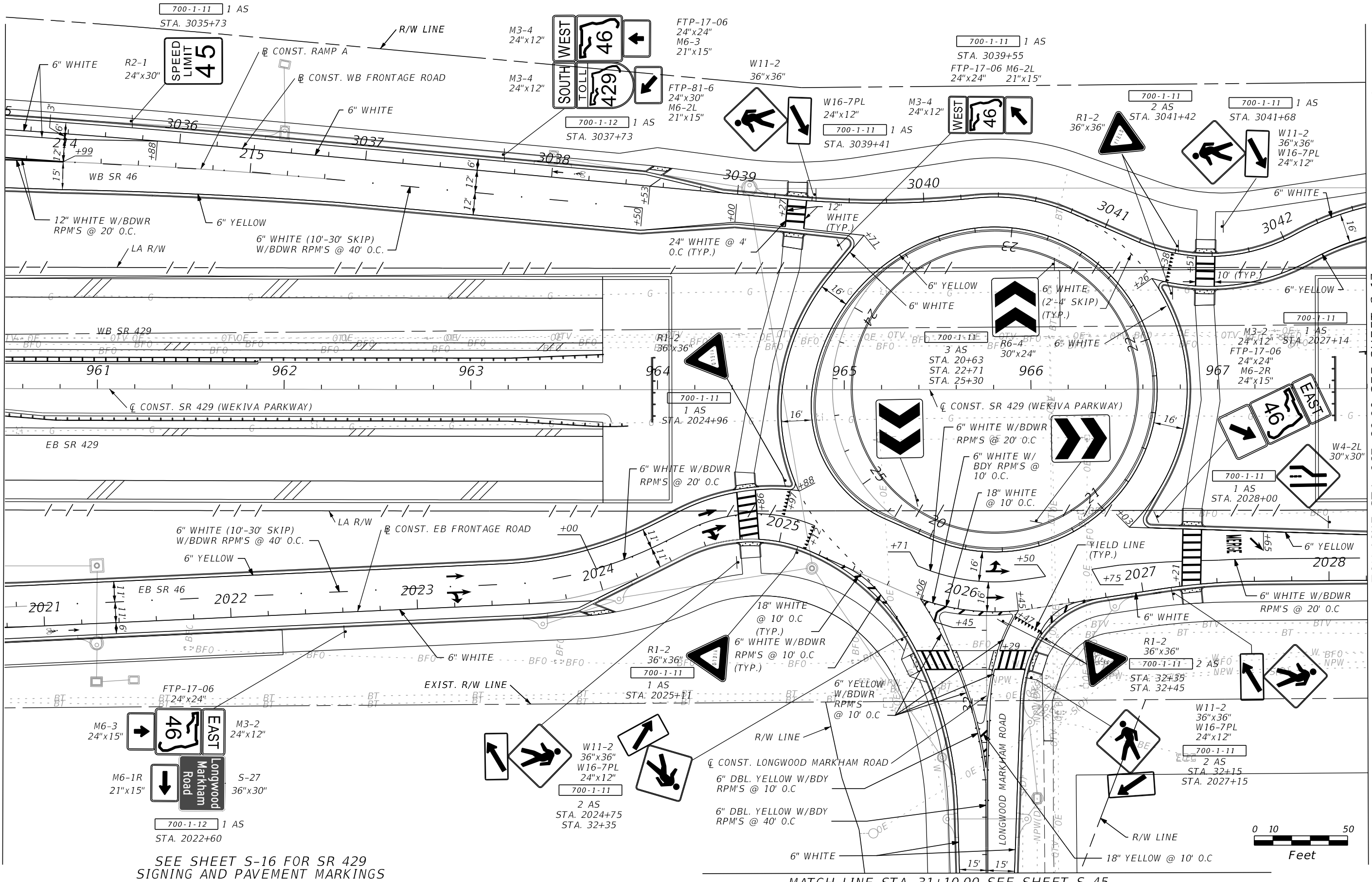
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-51

MATCH LINE STA. 960+50.00 SEE SHEET S-15

MATCH LINE STA. 967+80.00 SEE SHEET S-17



SEE SHEET S-16 FOR SR 429
SIGNING AND PAVEMENT MARKINGS

MATCH LINE STA. 31+10.00 SEE SHEET S-45

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

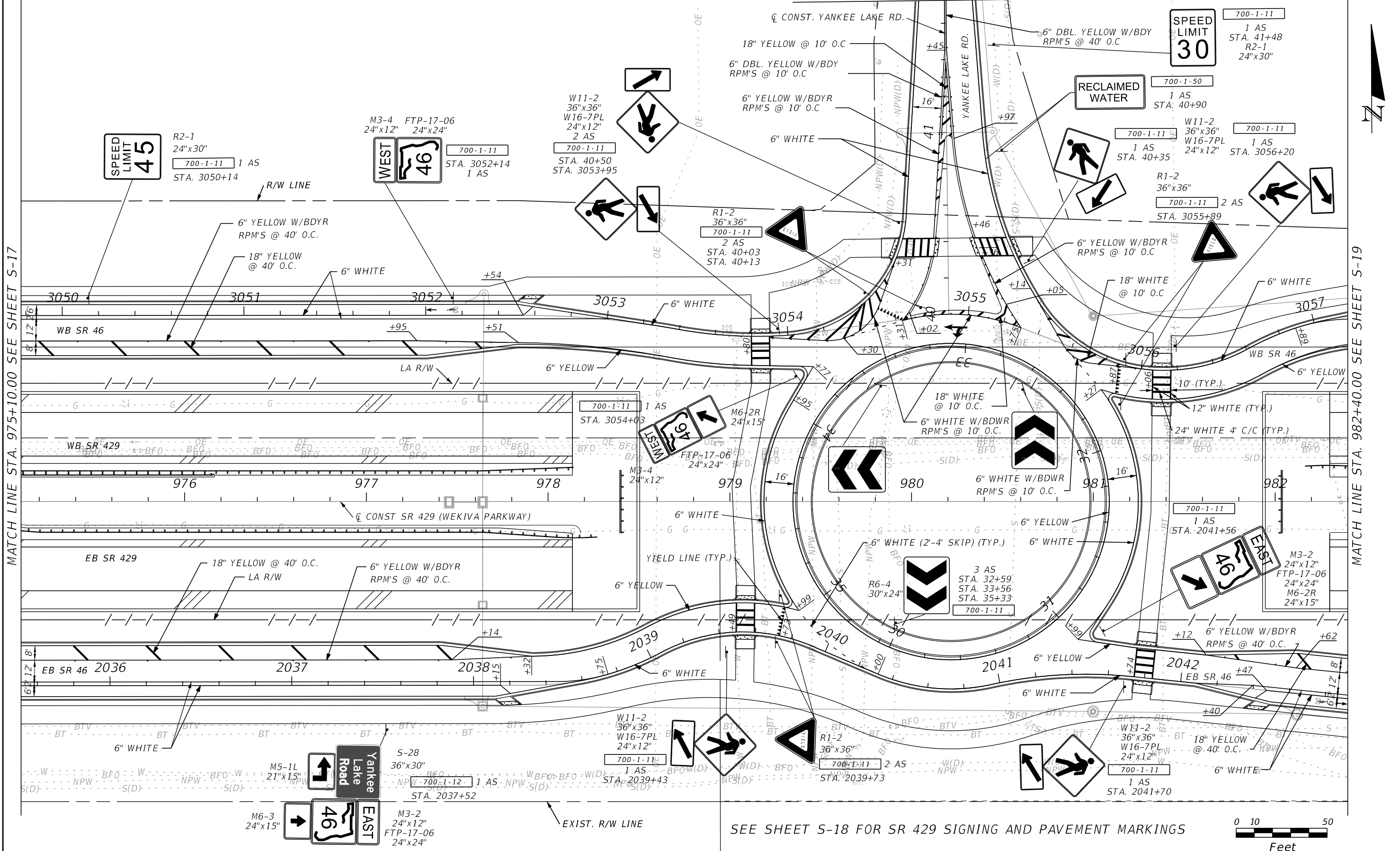
SIGNING AND MARKING PLAN

SHEET NO.
S-52

MATCH LINE STA. 41+70.00 SEE SHEET S-46

MATCH LINE STA. 975+10.00 SEE SHEET S-17

MATCH LINE STA. 982+40.00 SEE SHEET S-19



SPEED LIMIT 30

SPEED LIMIT 45

WEST 46

EAST 46

SEE SHEET S-18 FOR SR 429 SIGNING AND PAVEMENT MARKINGS



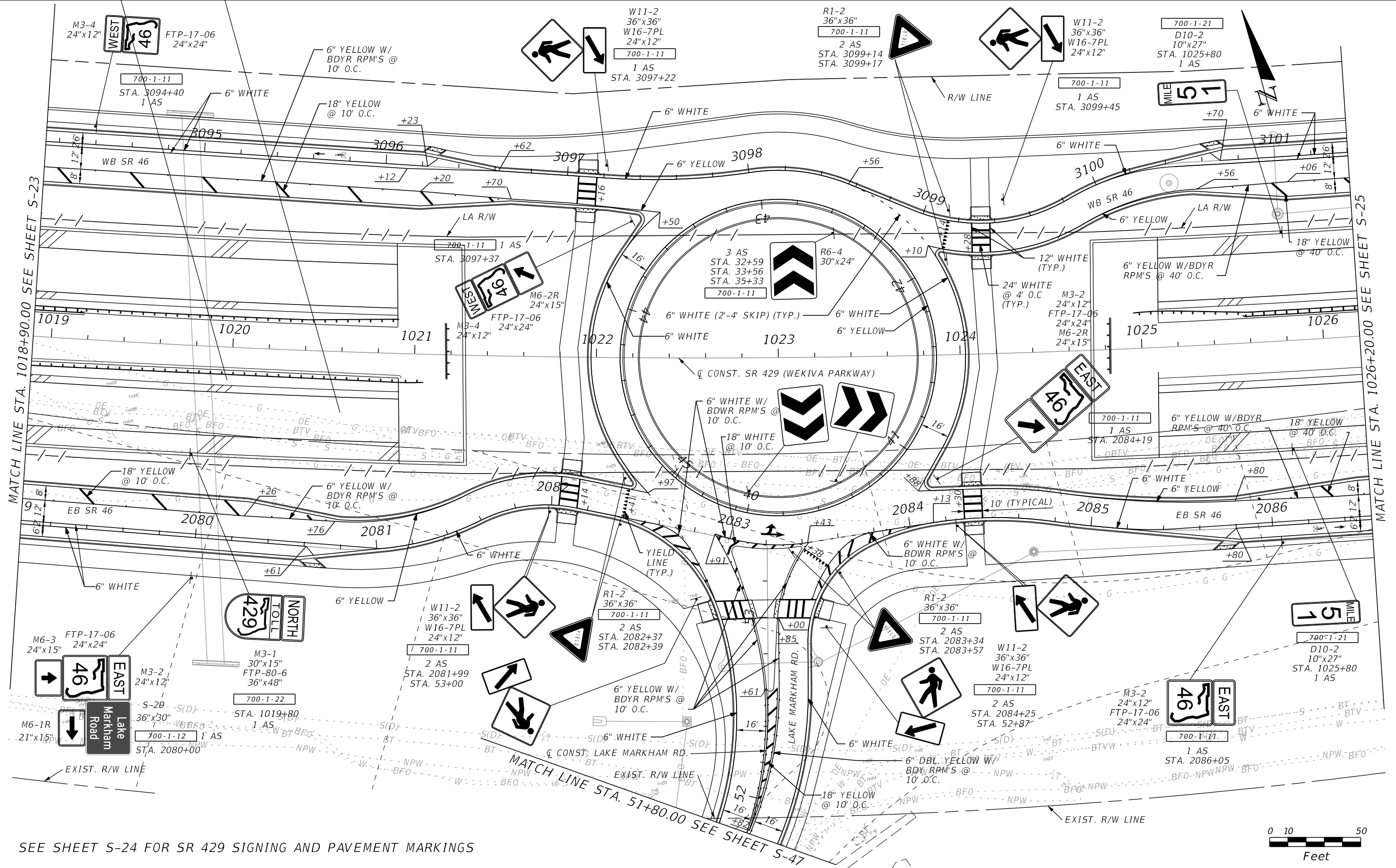
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
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 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

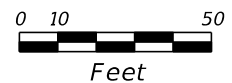
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-53



SEE SHEET S-24 FOR SR 429 SIGNING AND PAVEMENT MARKINGS



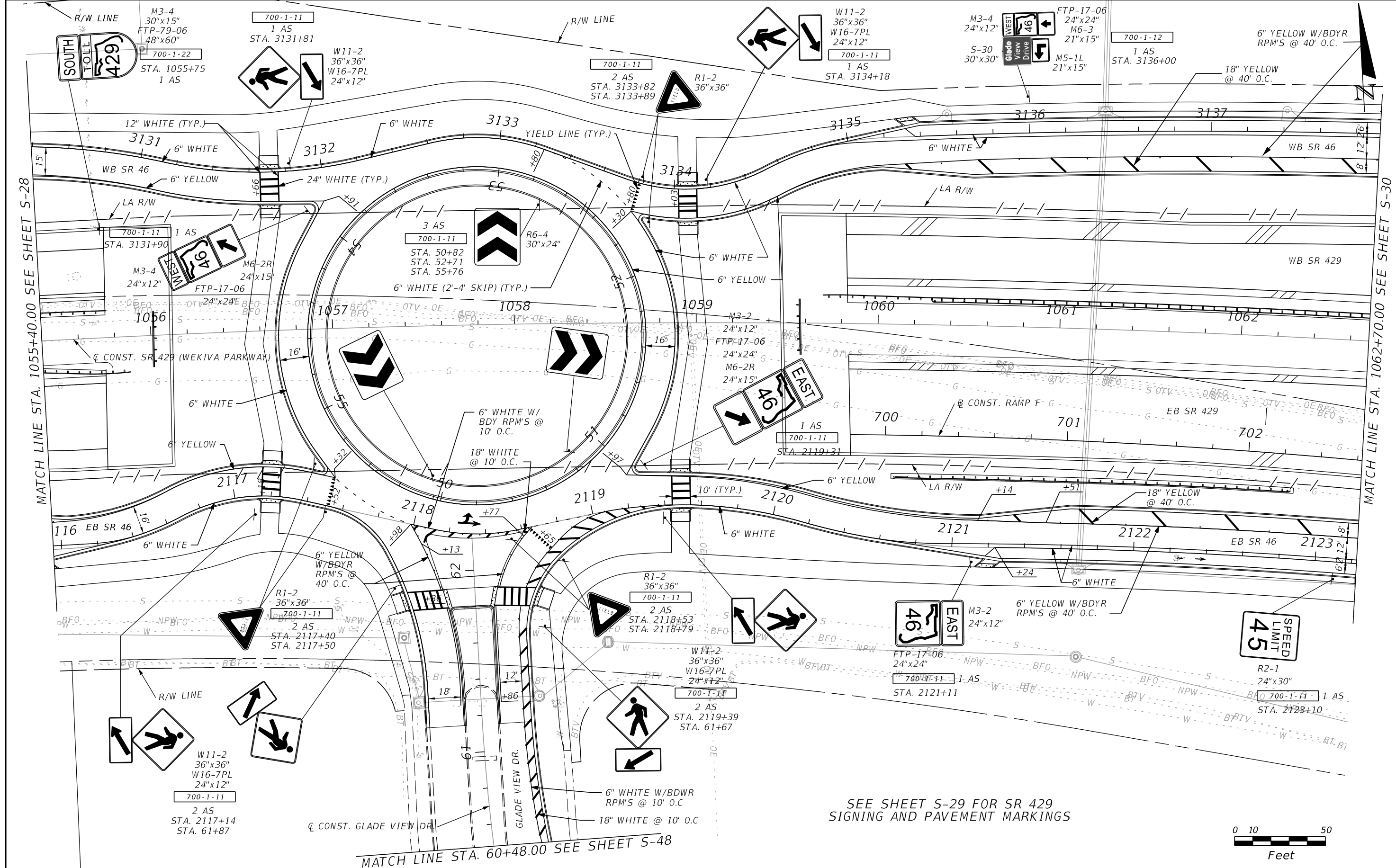
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

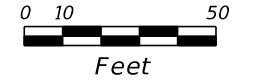
SHEET NO. S-54



MATCH LINE STA. 1055+40.00 SEE SHEET S-28

MATCH LINE STA. 1062+70.00 SEE SHEET S-30

SEE SHEET S-29 FOR SR 429
SIGNING AND PAVEMENT MARKINGS



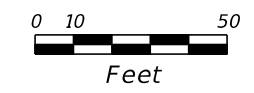
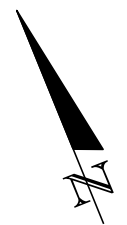
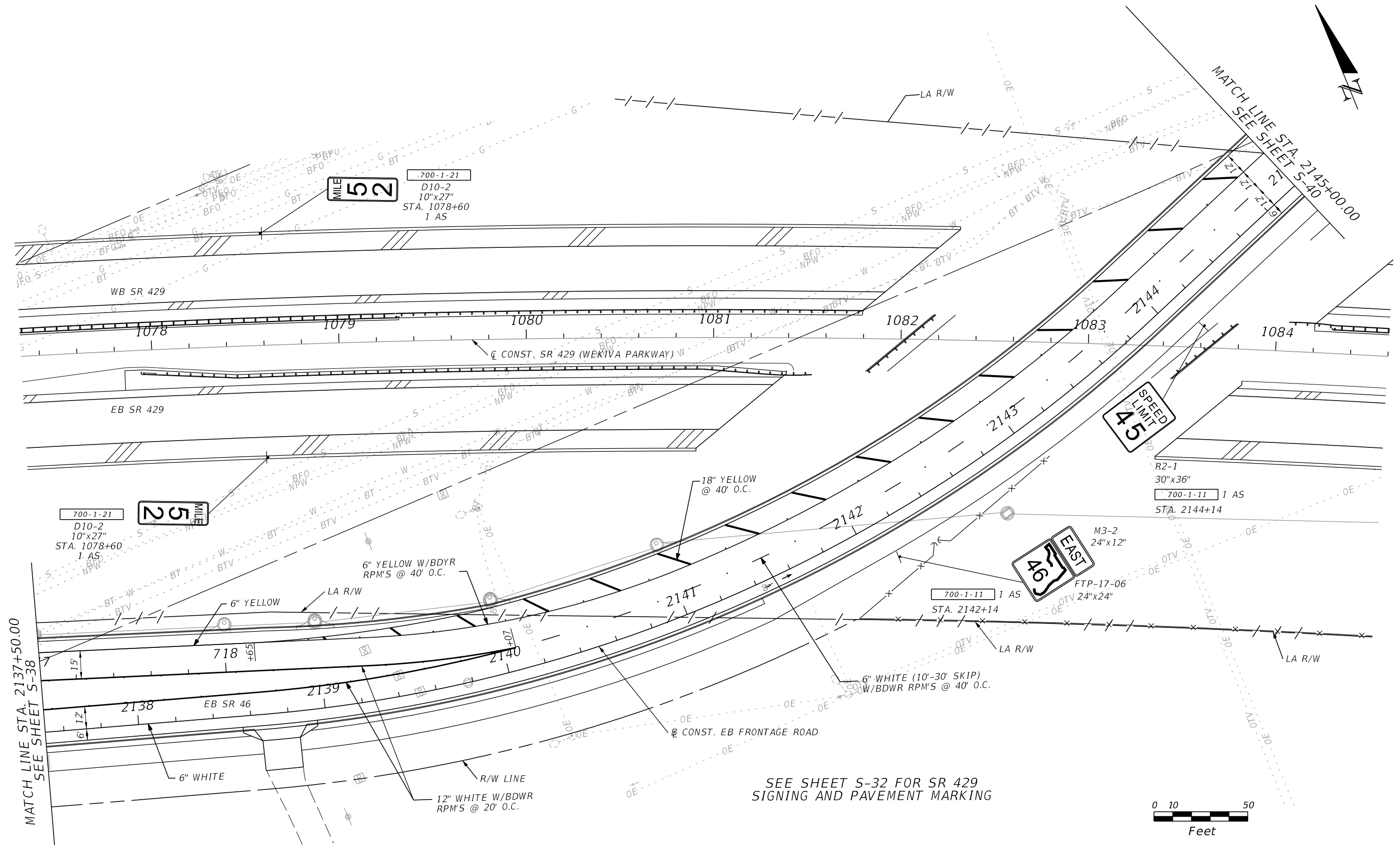
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
Traffic Engineering Data Solutions, Inc.
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CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-55



SEE SHEET S-32 FOR SR 429
SIGNING AND PAVEMENT MARKING

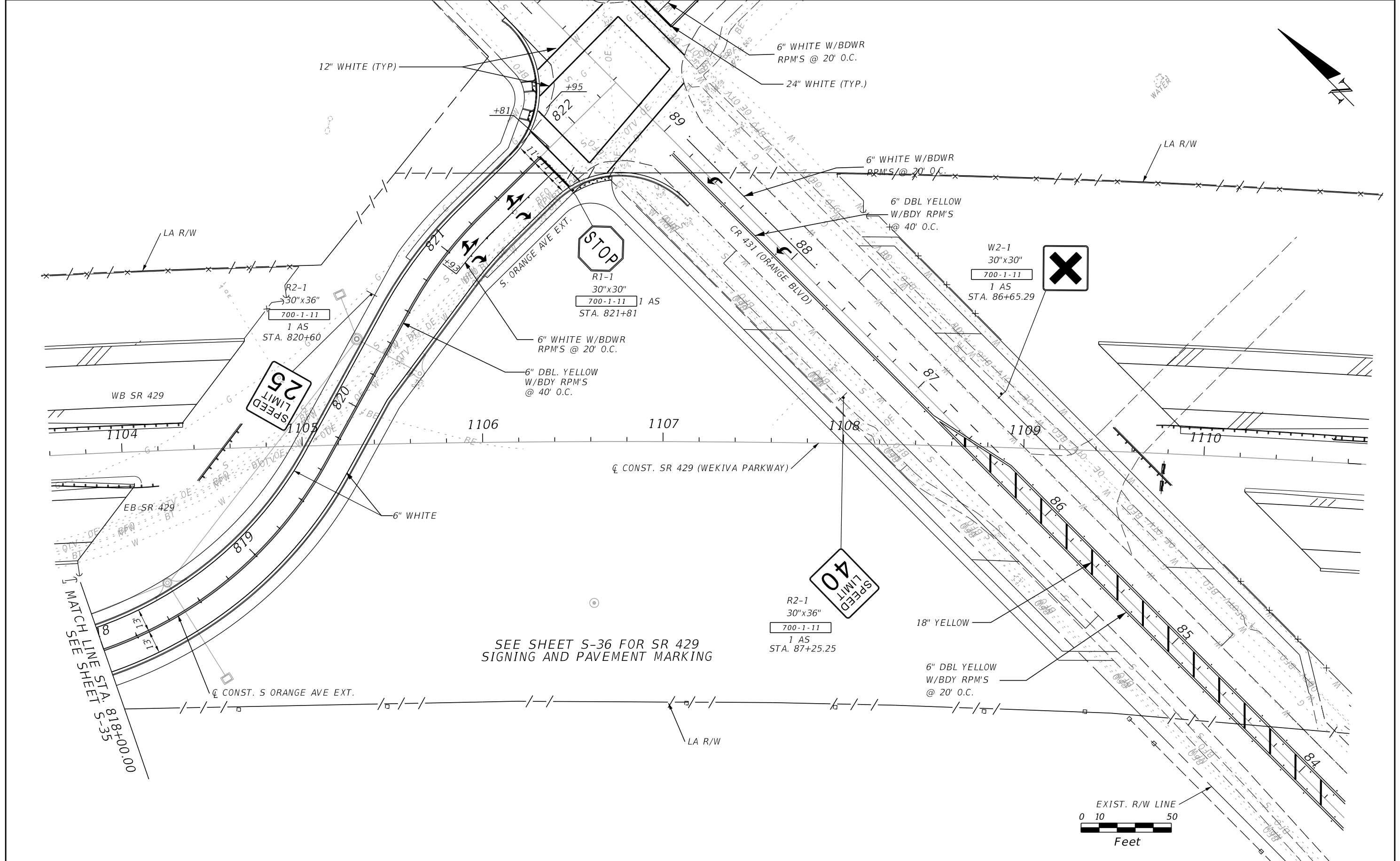
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
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 80 Spring Vista Drive Phone: 386.753.0558
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 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-56



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

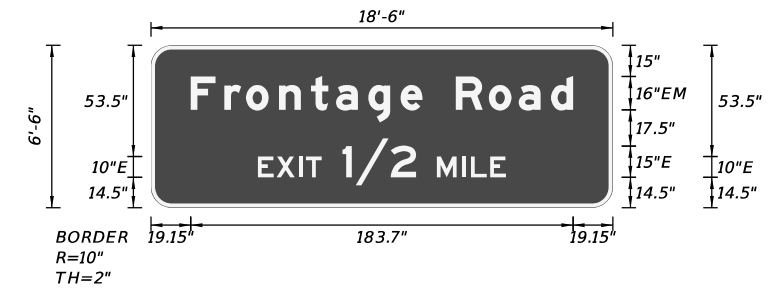
CHRIS J. WALSH, P.E. PE No. 57626
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SIGNING AND MARKING PLAN

SHEET NO.
S-57

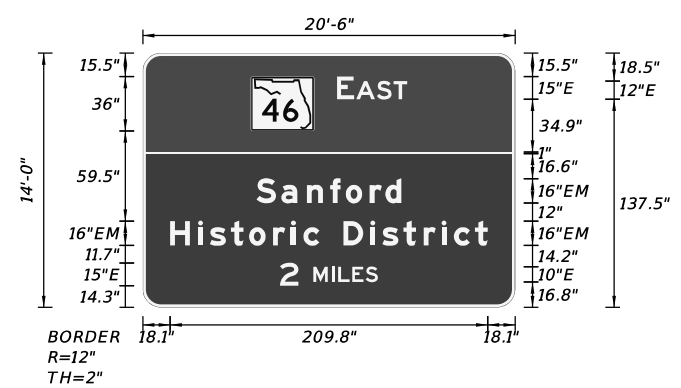
SIGN NAME	S-10	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				1029+35
WIDTH	18'-6"	WIDTH	2"		
HEIGHT	6'-6"	RADII	10"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

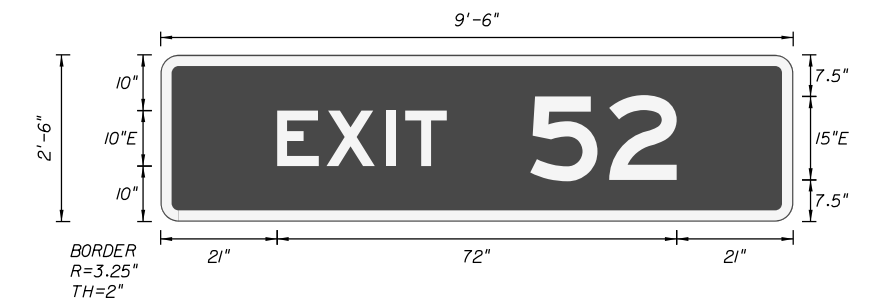
COPY		F	r	o	n	t	a	g	e	R	o	a	d	L						
SPACE	19.2	16.2	10.4	15.8	15.4	12	15.5	15.5	10.6	16	15.8	14.4	15.5	10.6	19.2	183.7				
COPY		E	X	I	T		1	/	2	M	I	L	E	L						
SPACE	51.5	8.9	10.7	3.5	7.5	10	6.4	16.8	12.2	10	12	4.4	9.2	7.5	51.4	119.1				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

SIGN NAME	S-11	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				956+56
WIDTH	20'-6"	WIDTH	2"		
HEIGHT	14'-0"	RADII	12"		
LEGEND	White	COLOR	White		
COLOR	Brown / Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
F28_2C	0	71.3	116.5	42	36
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

SIGN NAME	S-12	QTY	4	SIGN NUMBER	STATION(S)
PANEL	BORDER				956+56
WIDTH	9'-6"	WIDTH	2"		1009+36
HEIGHT	2'-6"	RADII	3.25"		1035+76
LEGEND	White	COLOR	White		1062+16
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH		



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY		E	A	S	T																
SPACE	128.3	11.3	1.5	13.6	11	9	71.3	46.4													
COPY		S	a	n	f	o	r	d	L												
SPACE	75.1	16.5	17	15.4	10.2	15.8	10.4	10.6	75.1	95.8											
COPY		H	i	s	t	o	r	i	c	D	i	s	t	r	i	c	t	L			
SPACE	18.1	18.4	7.8	13.9	12	15.8	11.8	8.2	10.6	16	17.8	7.8	13.9	13.4	11.8	8.2	13.9	8.3	18.1	209.8	
COPY		2		M	I	L	E	S	L												
SPACE	90.6	12.2	10	12	4.4	9.2	8.9	8.1	90.6	64.8											
COPY																					
SPACE																					
COPY																					
SPACE																					

COPY		E	X	I	T		5	2	L											
SPACE	21	8.9	10.7	3.5	7.5	15	14.3	12.1	21	72										
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

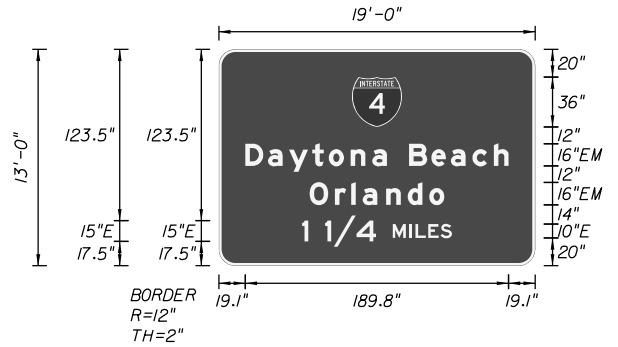
CHRIS J. WALSH, P.E. PE No. 57626
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 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

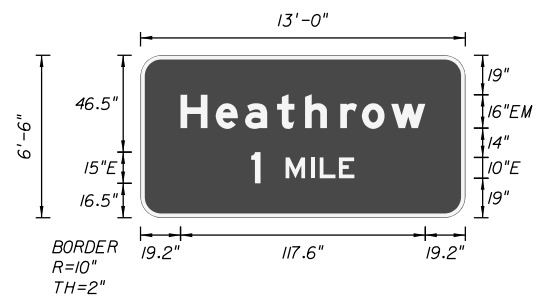
GUIDE SIGN WORK SHEET

SHEET NO.
S-60

SIGN NAME	S-16	QTY	SIGN NUMBER		STATION(S)
PANEL	BORDER	1075+36			
WIDTH	19'-0"	WIDTH	2"		
HEIGHT	13'-0"	RADII	12"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
MLJ	0	96	100	36	36
SIGN NUMBER	CLEARANCE	COLUMN SIZE		AVERAGE LENGTH	
	Edge Of Lane				



SIGN NAME	S-17	QTY	SIGN NUMBER		STATION(S)
PANEL	BORDER	1075+36			
WIDTH	13'-0"	WIDTH	2"		
HEIGHT	6'-6"	RADII	10"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE	COLUMN SIZE		AVERAGE LENGTH	
	Edge Of Lane				



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY		D	a	y	t	o	n	a		B	e	a	c	h	L	
SPACE	19.1	16.3	15.2	16.6	12	15.8	15.5	10.6	16	16	14.1	15.5	15.5	10.6	19.1	189.8
COPY		O	r	I	a	n	d	o		L						
SPACE	65.4	18.2	11.8	8.2	17	15.5	15.5	10.9	65.4	97.1						
COPY		i		/	4	M	I	L	E	S	L					
SPACE	60	4.5	12	6.5	16.3	14.1	12	12	4.4	9.2	8.9	8.1	60	108		
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																

COPY		H	e	a	t	h	r	o	w	L	
SPACE	19.2	17	14.1	15.4	13.4	17	10.4	14.1	16.3	19.2	117.6
COPY		1		M	I	L	E	L			
SPACE	53.2	4.5	12	12	4.4	9.2	7.5	53.2	49.6		
COPY											
SPACE											
COPY											
SPACE											
COPY											
SPACE											

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

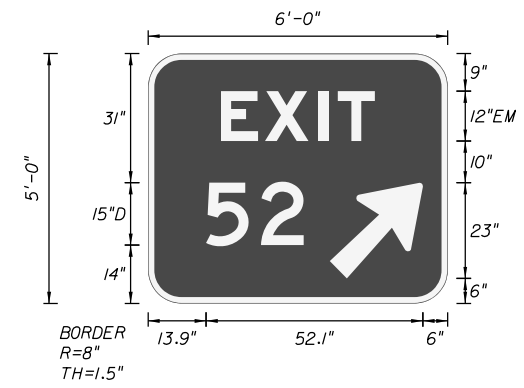
CHRIS J. WALSH, P.E. PE No. 57626
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

GUIDE SIGN WORK SHEET

SHEET NO.
S-62

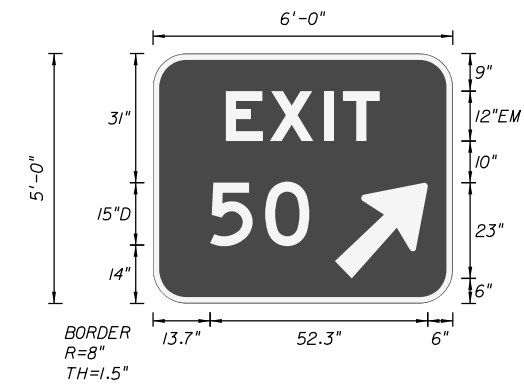
SIGN NAME	S-22	QTY	1	SIGN NUMBER	1066+88	STATION(S)	
PANEL	BORDER						
WIDTH	6'-0"	WIDTH	1.5"				
HEIGHT	5'-0"	RADII	8"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
AR_Type A	314.2	43.7	6	18.3	28.8		
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH				



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	E	X	I	T	L		
SPACE	17.5	10.6	13	4.6	8.9	17.5	37
COPY	5	2		L			
SPACE	13.9	13.2	10.2	34.7	23.4		

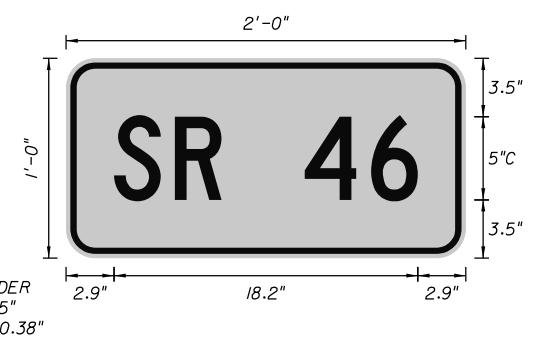
SIGN NAME	S-23	QTY	1	SIGN NUMBER		STATION(S)	
PANEL	BORDER						
WIDTH	6'-0"	WIDTH	1.5"				1000+28
HEIGHT	5'-0"	RADII	8"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
AR_Type A	318.2	43.7	6	18.9	28.8		
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH				



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	E	X	I	T	L		
SPACE	17.5	10.6	13	4.6	8.9	17.5	37
COPY	5	0		L			
SPACE	13.7	13.2	10.6	34.4	23.8		

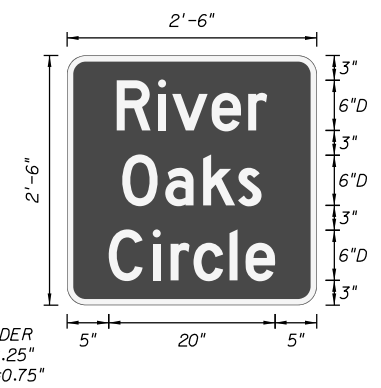
SIGN NAME	S-24	QTY	5	SIGN NUMBER		STATION(S)	
PANEL	BORDER						
WIDTH	2'-0"	WIDTH	0.38"				20+25
HEIGHT	1'-0"	RADII	1.5"				30+40
LEGEND	Black	COLOR	Black				42+02
COLOR	Yellow						51+44
SYMBOL(S)	ANGLE	X	Y	WID	HT		60+11
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH				



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	S	R		4	6	L		
SPACE	2.9	3.7	2.8	5	4	2.8	2.9	18.2

SIGN NAME	S-25	QTY	1	SIGN NUMBER		STATION(S)	
PANEL	BORDER						
WIDTH	2'-6"	WIDTH	0.75"				3019+45
HEIGHT	2'-6"	RADII	2.25"				
LEGEND	White	COLOR	White				
COLOR	Green						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
SIGN NUMBER	CLEARANCE Edge Of Lane	COLUMN SIZE	AVERAGE LENGTH				



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE
-----------------------	-----------------	-------------------	------	---------

COPY	R	I	v	e	r	L			
SPACE	6	5	1.7	4.7	4.4	2.3	6	18.1	
COPY	O	a	k	s	L				
SPACE	6.6	5.2	4.6	4.2	2.8	6.6	16.7		
COPY	C	i	r	c	l	e	L		
SPACE	5	5.3	2.2	2.8	4.3	1.9	3.5	5	20

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

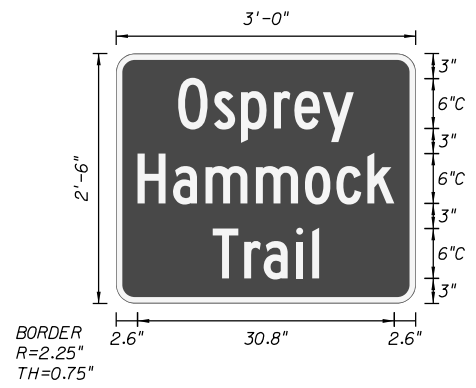
CHRIS J. WALSH, P.E. PE No. 57626
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 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

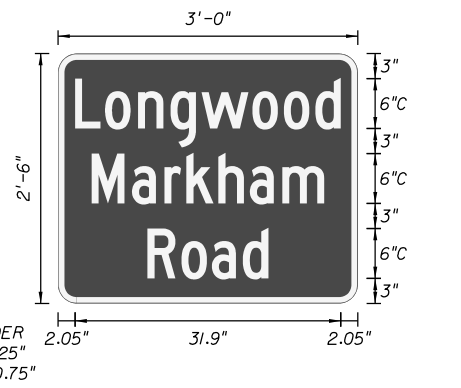
GUIDE SIGN WORK SHEET

SHEET NO.
S-64

SIGN NAME		S-26	QTY	1	SIGN NUMBER		STATION(S)	
PANEL		BORDER			2000+91			
WIDTH	3'-0"	WIDTH	0.75"					
HEIGHT	2'-6"	RADII	2.25"					
LEGEND		White	COLOR	White				
COLOR		Green						
SYMBOL(S)		ANGLE	X	Y	WID	HT		
SIGN NUMBER		CLEARANCE	COLUMN SIZE		AVERAGE LENGTH			
		Edge Of Lane						
NO. OF LIGHT FIXTURES		FIXTURE SPACING	PHOTOMETRIC CURVE		WATT	VOLTAGE		



SIGN NAME		S-27	QTY	2	SIGN NUMBER		STATION(S)	
PANEL		BORDER			2022+60			
WIDTH	3'-0"	WIDTH	0.75"		3043+80			
HEIGHT	2'-6"	RADII	2.25"					
LEGEND		White	COLOR	White				
COLOR		Green						
SYMBOL(S)		ANGLE	X	Y	WID	HT		
SIGN NUMBER		CLEARANCE	COLUMN SIZE		AVERAGE LENGTH			
		Edge Of Lane						
NO. OF LIGHT FIXTURES		FIXTURE SPACING	PHOTOMETRIC CURVE		WATT	VOLTAGE		

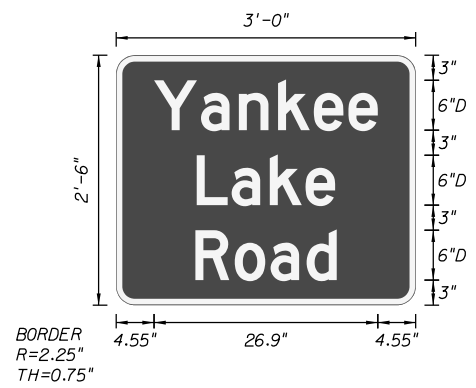


COPY		O	s	p	r	e	y	L										
SPACE	7.4	4.3	3.2	4	2.5	3.4	3.7	7.4	21.1									
COPY		H	a	m	m	o	c	k	L									
SPACE	2.6	4.3	3.9	6.1	5.9	3.8	3.7	3.2	2.6	30.8								
COPY		T	r	a	i	L												
SPACE	11.6	3.8	2.3	3.9	1.9	0.8	11.6	12.8										

COPY		L	o	n	g	w	o	o	d	L								
SPACE	2	3.6	4	3.9	3.7	6.1	3.8	3.8	3.1	2	31.9							
COPY		M	a	r	k	h	a	m	L									
SPACE	4	4.9	3.9	2.6	3.8	3.8	3.9	5	4	28								
COPY		R	o	a	d	L												
SPACE	10.7	4.1	3.7	3.7	3.1	10.7	14.5											

NO. OF LIGHT FIXTURES		FIXTURE SPACING	PHOTOMETRIC CURVE		WATT	VOLTAGE		

SIGN NAME		S-28	QTY	2	SIGN NUMBER		STATION(S)	
PANEL		BORDER			2037+52			
WIDTH	3'-0"	WIDTH	0.75"		3059+00			
HEIGHT	2'-6"	RADII	2.25"					
LEGEND		White	COLOR	White				
COLOR		Green						
SYMBOL(S)		ANGLE	X	Y	WID	HT		
SIGN NUMBER		CLEARANCE	COLUMN SIZE		AVERAGE LENGTH			
		Edge Of Lane						
NO. OF LIGHT FIXTURES		FIXTURE SPACING	PHOTOMETRIC CURVE		WATT	VOLTAGE		



SIGN NAME		S-29	QTY	2	SIGN NUMBER		STATION(S)	
PANEL		BORDER			2080+00			
WIDTH	3'-0"	WIDTH	0.75"		3101+80			
HEIGHT	2'-6"	RADII	2.25"					
LEGEND		White	COLOR	White				
COLOR		Green						
SYMBOL(S)		ANGLE	X	Y	WID	HT		
SIGN NUMBER		CLEARANCE	COLUMN SIZE		AVERAGE LENGTH			
		Edge Of Lane						
NO. OF LIGHT FIXTURES		FIXTURE SPACING	PHOTOMETRIC CURVE		WATT	VOLTAGE		



NO. OF LIGHT FIXTURES		FIXTURE SPACING	PHOTOMETRIC CURVE		WATT	VOLTAGE		

COPY		Y	a	n	k	e	e	L										
SPACE	4.6	5.6	4.6	4.7	4.3	4.1	3.5	4.6	26.9									
COPY		L	a	k	e	L												
SPACE	9.7	4.2	4.6	4.3	3.5	9.7	16.6											
COPY		R	o	a	d	L												
SPACE	9.5	4.7	4.3	4.3	3.6	9.5	17											

COPY		L	a	k	e	L												
SPACE	11	3.5	3.9	3.7	3.1	11	14.1											
COPY		M	a	r	k	h	a	m	L									
SPACE	4	4.9	3.9	2.6	3.8	3.8	3.9	5	4	28								
COPY		R	o	a	d	L												
SPACE	10.7	4.1	3.7	3.7	3.1	10.7	14.5											

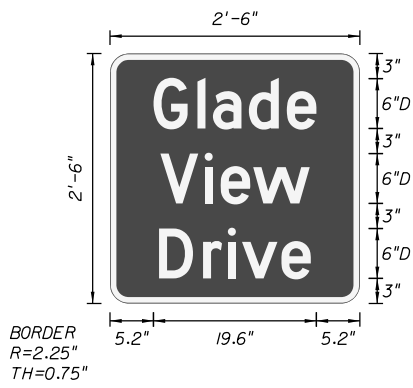
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
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 80 Spring Vista Drive Phone: 386.753.0558
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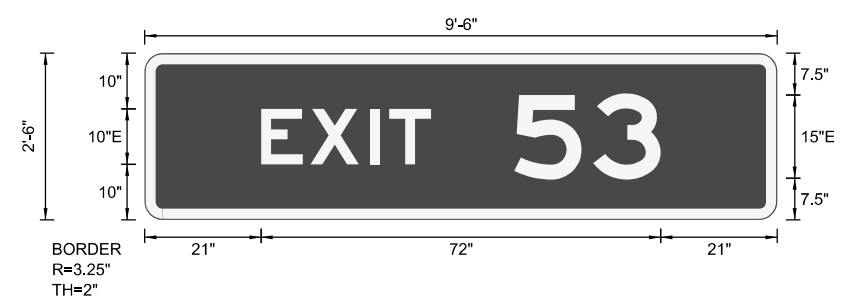
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

<i>GUIDE SIGN WORK SHEET</i>	
SHEET NO.	S-65

SIGN NAME	S-30	QTY	2	SIGN NUMBER	STATION(S)
PANEL	BORDER				2115+00
WIDTH	2'-6"	WIDTH	0.75"		3136+00
HEIGHT	2'-6"	RADII	2.25"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE	COLUMN SIZE		AVERAGE LENGTH	
	Edge Of Lane				



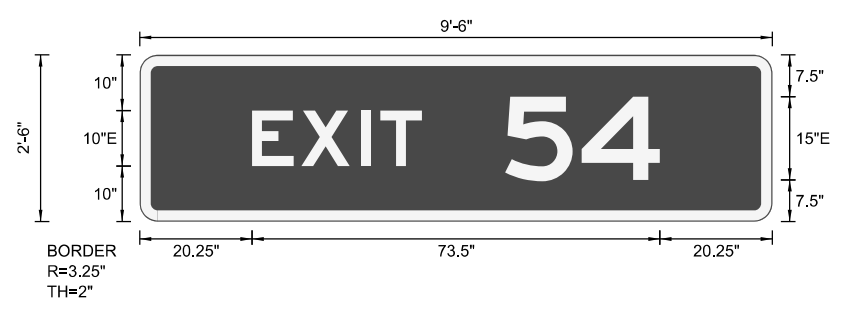
SIGN NAME	S-31	QTY	2	SIGN NUMBER	STATION(S)
PANEL	BORDER				1075+36
WIDTH	9'-6"	WIDTH	2"		1101+76
HEIGHT	2'-6"	RADII	3.25"		
LEGEND	White	COLOR	Black/White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE	COLUMN SIZE		AVERAGE LENGTH	
	Edge Of Lane				



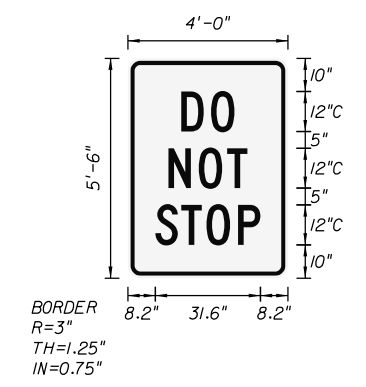
COPY		G	I	a	d	e		L
SPACE	5.2	5.3	1.9	4.3	4.6	3.5	5.2	19.6
COPY		V	i	e	w		L	
SPACE	6	5.3	1.9	3.9	6.8	6	17.9	
COPY		D	r	i	v	e	L	
SPACE	5.9	5.3	3	1.7	4.7	3.5	5.9	18.2
COPY								
SPACE								
COPY								
SPACE								
COPY								
SPACE								

COPY		E	X	I	T		5	3	L	
SPACE	21	8.9	10.7	3.5	7.5	15	14.2	12.2	21	72
COPY										
SPACE										
COPY										
SPACE										
COPY										
SPACE										
COPY										
SPACE										

SIGN NAME	S-32	QTY	3	SIGN NUMBER	STATION(S)
PANEL	BORDER				1035+76
WIDTH	9'-6"	WIDTH	2"		1075+36
HEIGHT	2'-6"	RADII	3.25"		1101+76
LEGEND	White	COLOR	Black/White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE	COLUMN SIZE		AVERAGE LENGTH	
	Edge Of Lane				



SIGN NAME	S-33	QTY	4	SIGN NUMBER	STATION(S)
PANEL	BORDER				615+82
WIDTH	4'-0"	WIDTH	1.25"		711+97
HEIGHT	5'-6"	RADII	3"		
LEGEND	Black	COLOR	Black		
COLOR	White				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	CLEARANCE	COLUMN SIZE		AVERAGE LENGTH	
	Edge Of Lane				



COPY		E	X	I	T		5	4	L	
SPACE	20.3	8.9	10.7	3.5	7.5	15	13.8	14.1	20.3	73.5
COPY		D	O		L					
SPACE	16	8.9	7.1	16	16					
COPY		N	O	T	L					
SPACE	12.1	9.1	8.5	6.1	12.1	23.8				
COPY		S	T	O	P	L				
SPACE	8.2	7.8	7.6	9.5	6.7	8.2	31.6			
COPY										
SPACE										
COPY										
SPACE										

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

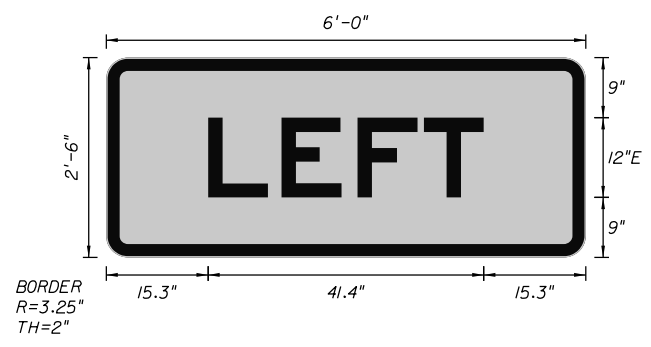
CHRIS J. WALSH, P.E. PE No. 57626
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

GUIDE SIGN WORK SHEET

SHEET NO.
S-66

SIGN NAME	S-34	QTY		SIGN NUMBER		STATION(S)	
PANEL	BORDER					3167+20	
WIDTH	6'-0"	WIDTH	2"				
HEIGHT	2'-6"	RADII	3.25"				
LEGEND	Black	COLOR	Black				
COLOR	Yellow						
SYMBOL(S)	ANGLE	X	Y	WID	HT		
SIGN NUMBER		CLEARANCE Edge Of Lane		COLUMN SIZE		AVERAGE LENGTH	



NO. OF LIGHT FIXTURES		FIXTURE SPACING		PHOTOMETRIC CURVE		WATT		VOLTAGE	
-----------------------	--	-----------------	--	-------------------	--	------	--	---------	--

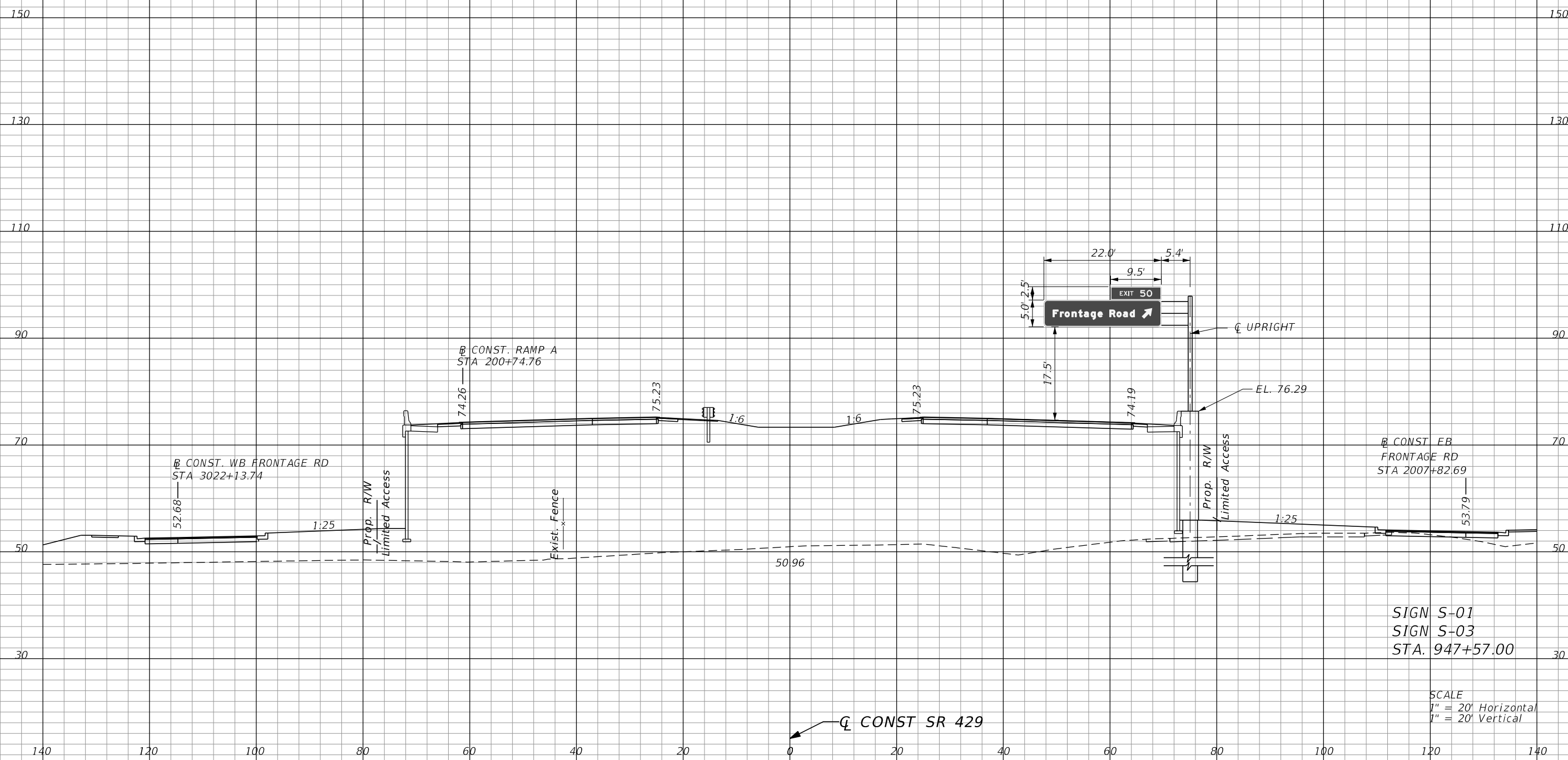
COPY		L	E	F	T	L														
SPACE	15.3	11	11.4	10	9	15.3	41.4													
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
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 80 Spring Vista Drive Phone: 386.753.0558
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 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

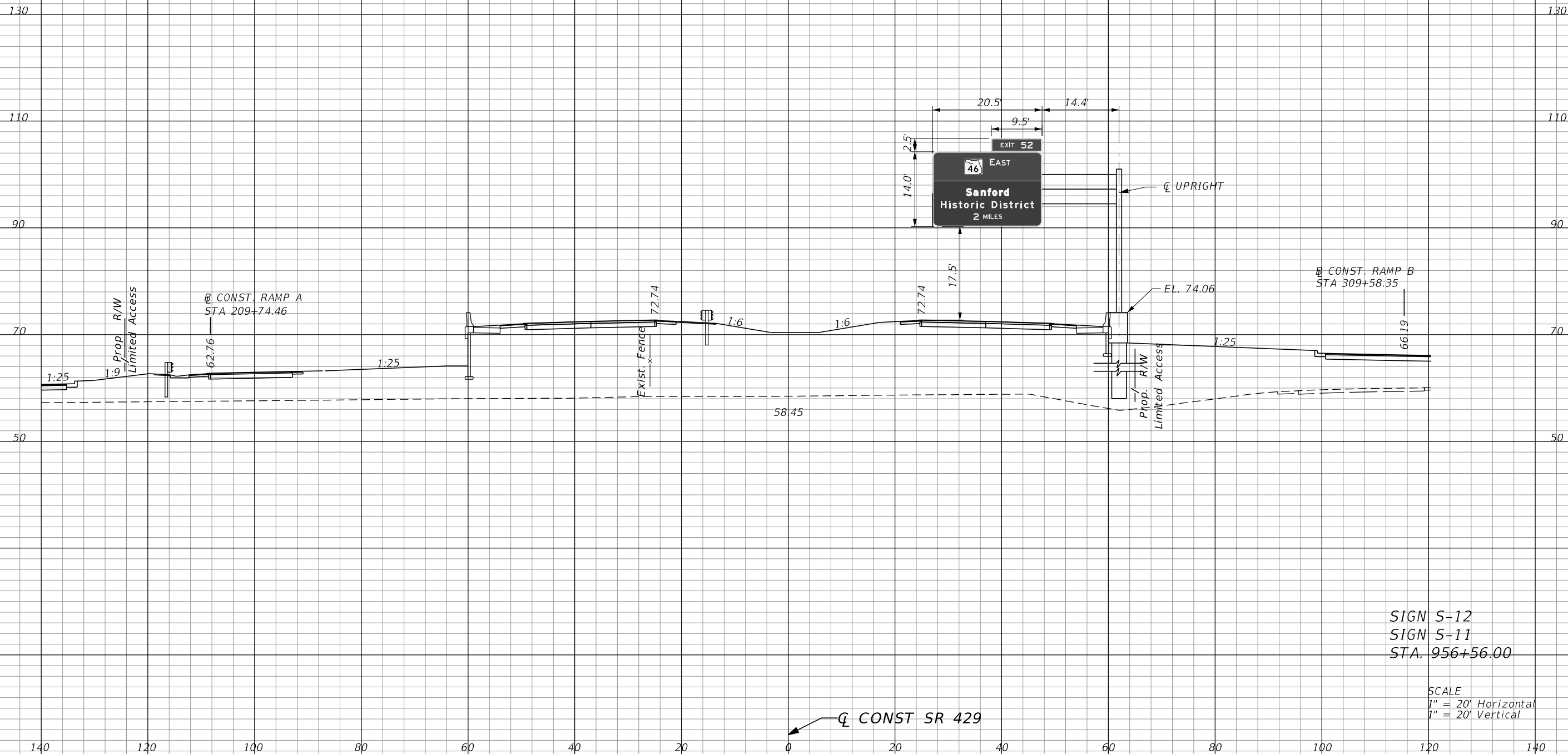
<p>GUIDE SIGN WORK SHEET</p>
<p>SHEET NO. S-67</p>



SIGN S-01
SIGN S-03
STA. 947+57.00

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

REVISIONS		DESCRIPTION		CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OVERHEAD SIGN CROSS SECTION SR 429	SHEET NO. S-68
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

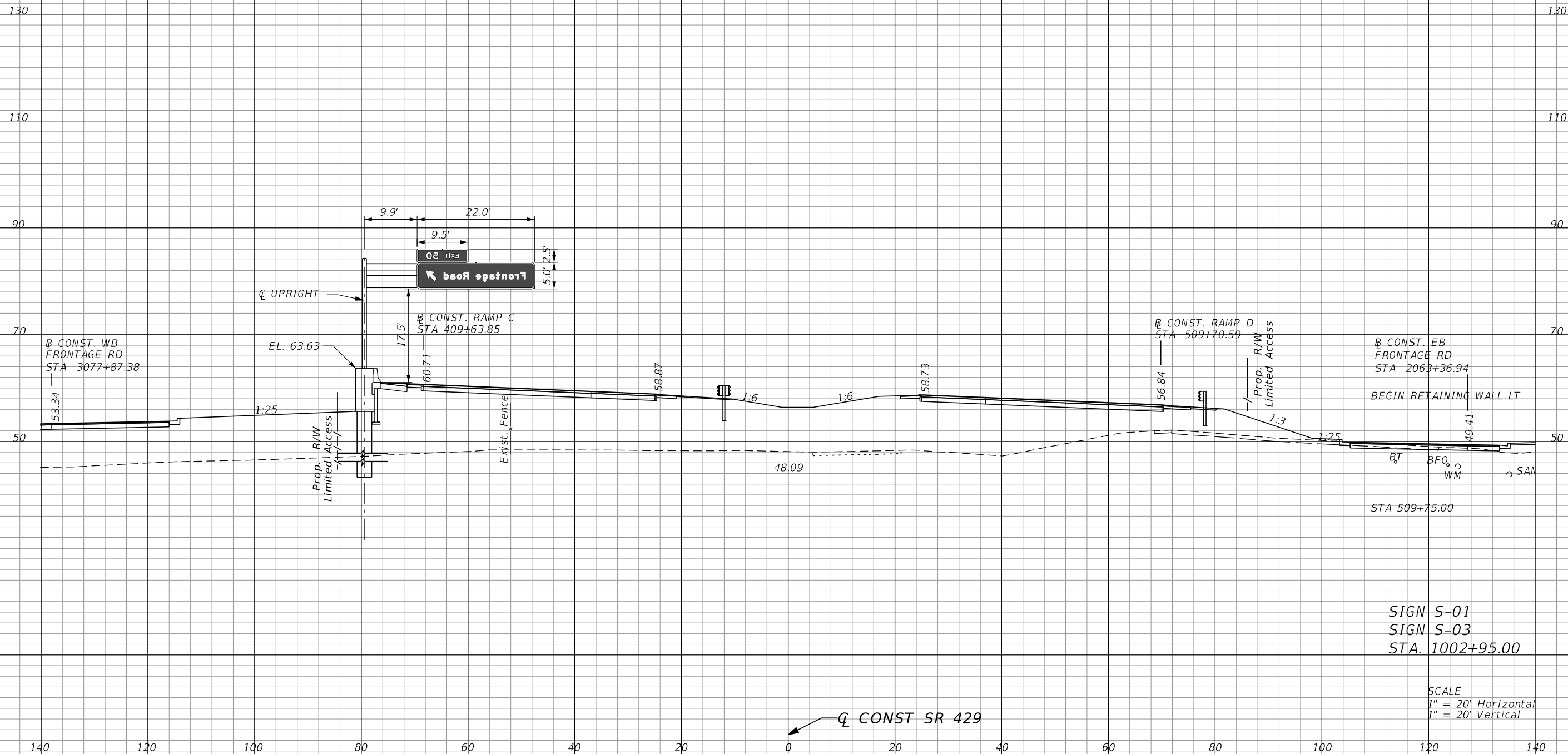


SIGN S-12
SIGN S-11
STA. 956+56.00

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

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OVERHEAD SIGN CROSS SECTION SR 429	SHEET NO. S-69
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				429	SEMINOLE	240200-2-52-01		

CHRIS J. WALSH, P.E. PE No. 57626
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80 Spring Vista Drive Phone: 386.753.0558
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CERTIFICATION OF AUTHORIZATION # 27392

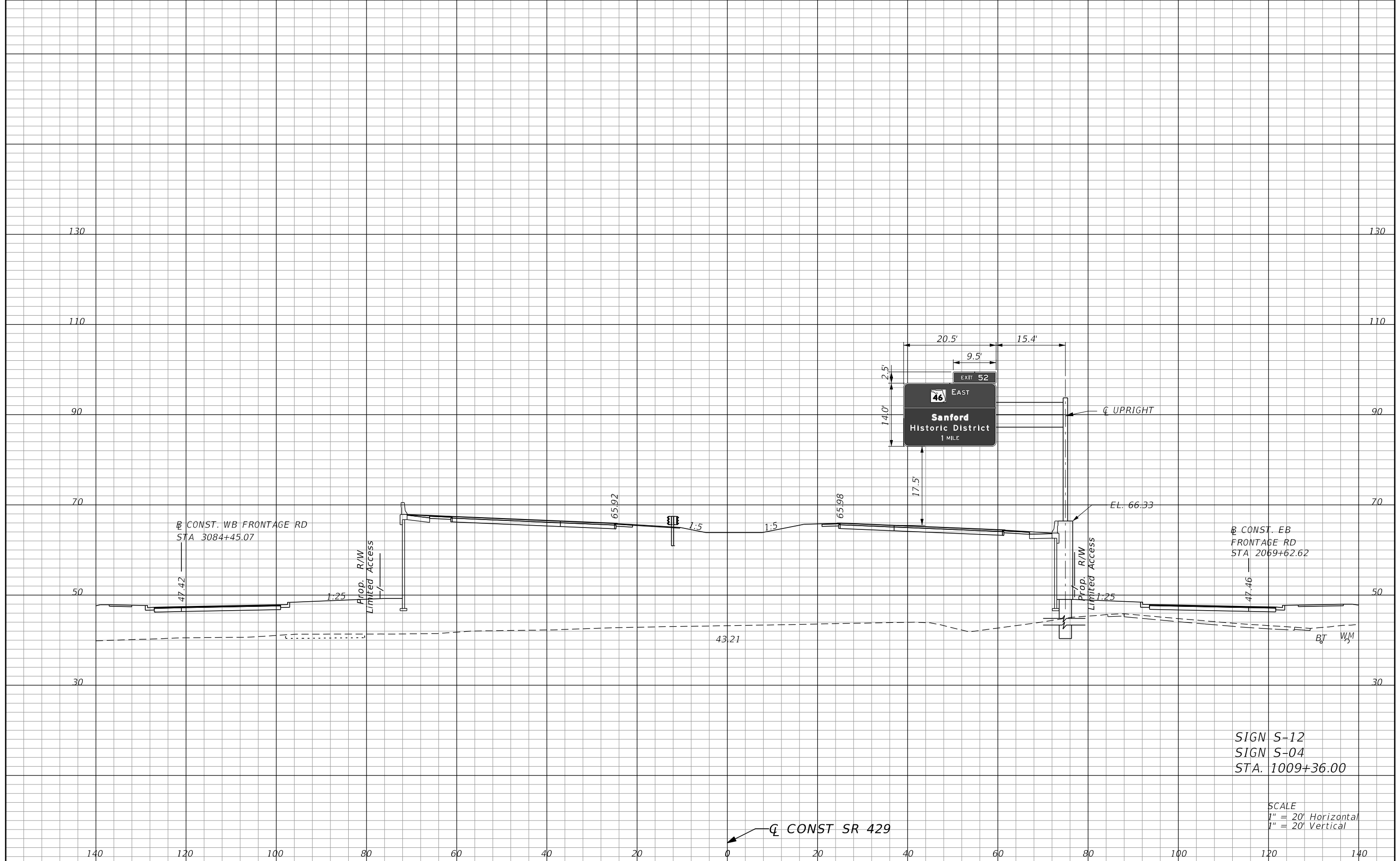


SIGN S-01
SIGN S-03
STA. 1002+95.00

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

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OVERHEAD SIGN CROSS SECTION SR 429	SHEET NO. S-70
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				429	SEMINOLE	240200-2-52-01		

CHRIS J. WALSH, P.E. PE No. 57626
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80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778
CERTIFICATION OF AUTHORIZATION # 27392



SIGN S-12
SIGN S-04
STA. 1009+36.00

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

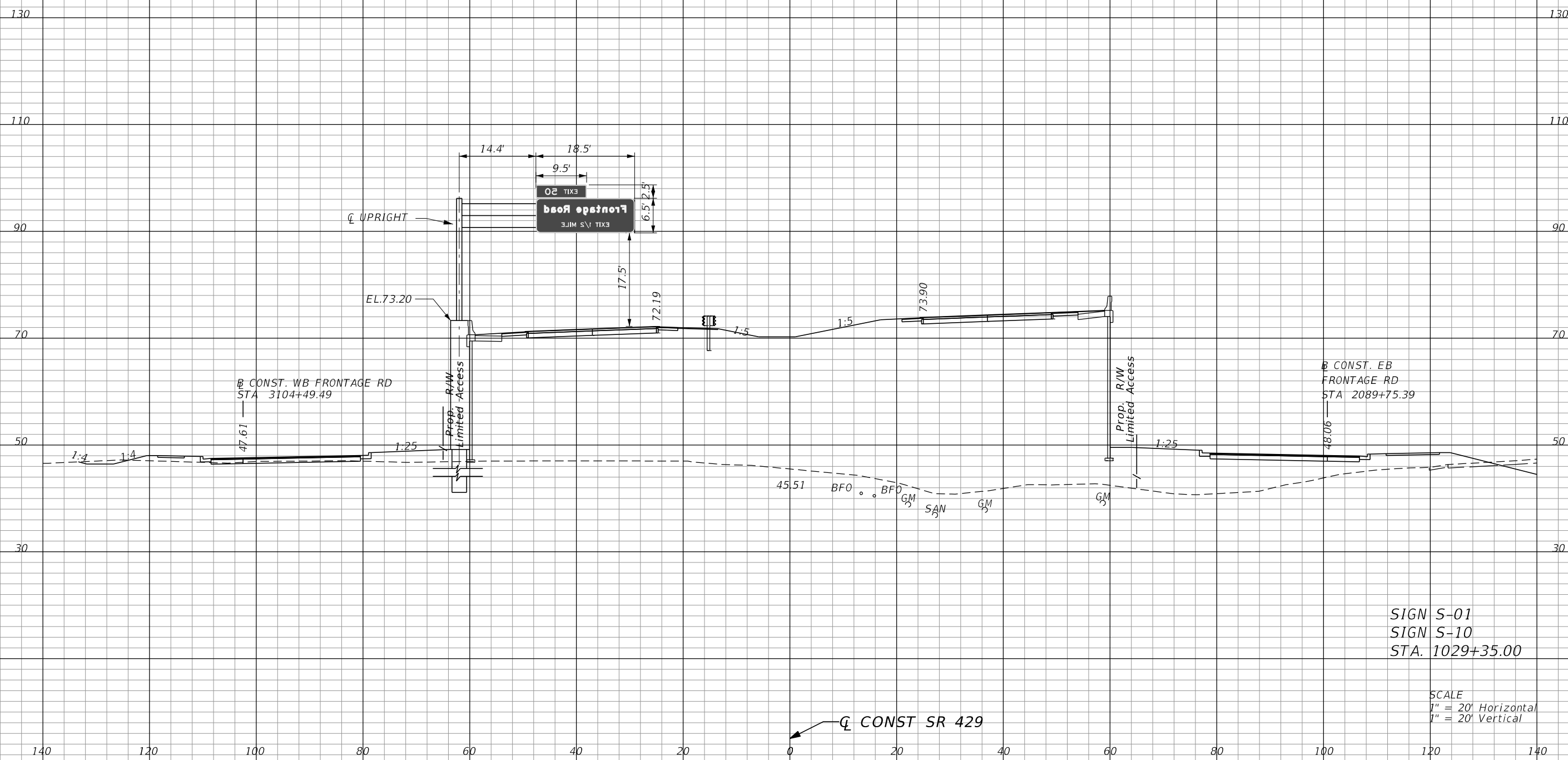
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
Traffic Engineering Data Solutions, Inc.
80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778
CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

OVERHEAD SIGN CROSS SECTION
SR 429

SHEET NO.
S-71

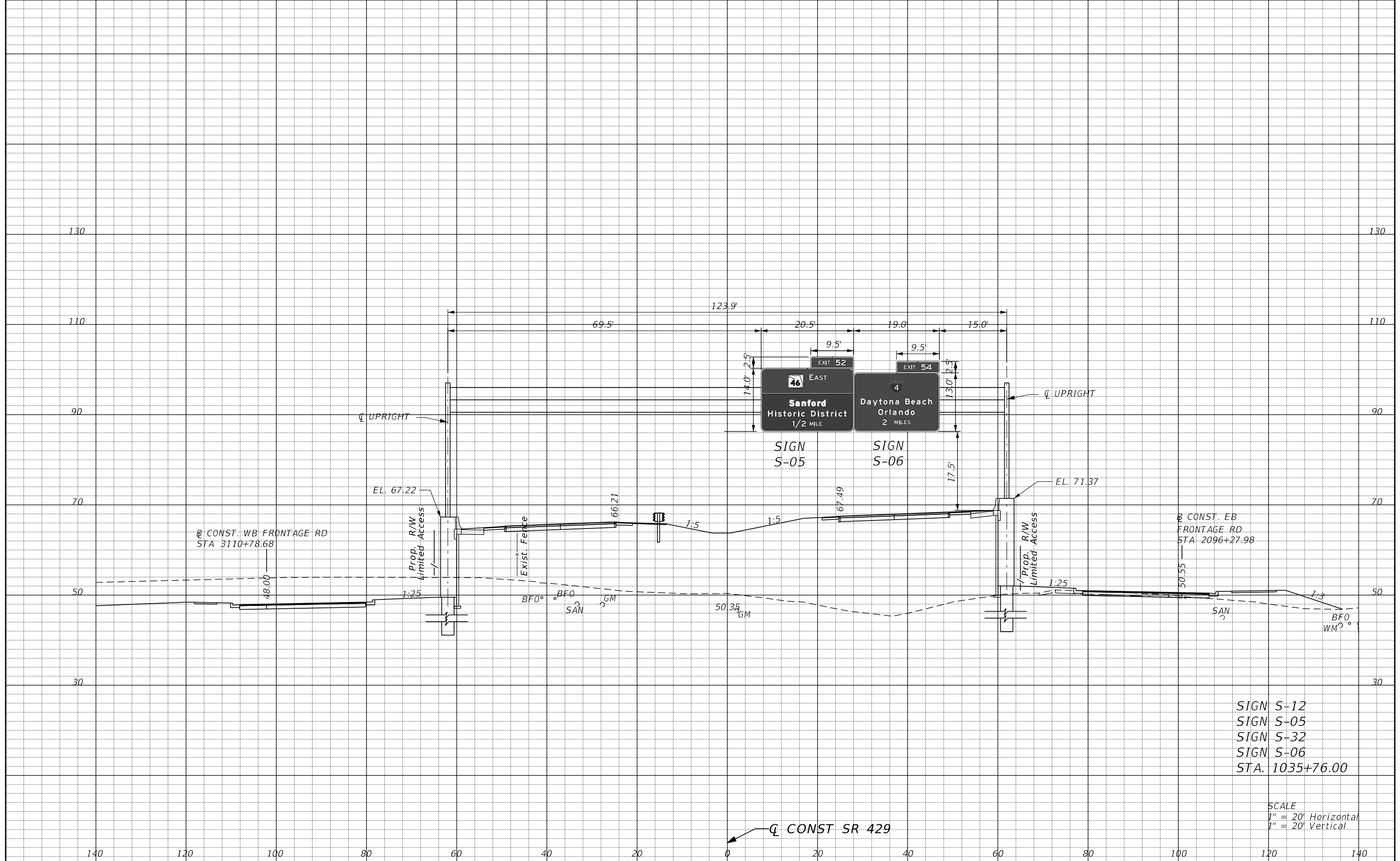


SIGN S-01
SIGN S-10
STA. 1029+35.00

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

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OVERHEAD SIGN CROSS SECTION SR 429	SHEET NO. S-72
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				429	SEMINOLE	240200-2-52-01		

CHRIS J. WALSH, P.E. PE No. 57626
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80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778
CERTIFICATION OF AUTHORIZATION # 27392



SIGN S-12
SIGN S-05
SIGN S-32
SIGN S-06
STA. 1035+76.00

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

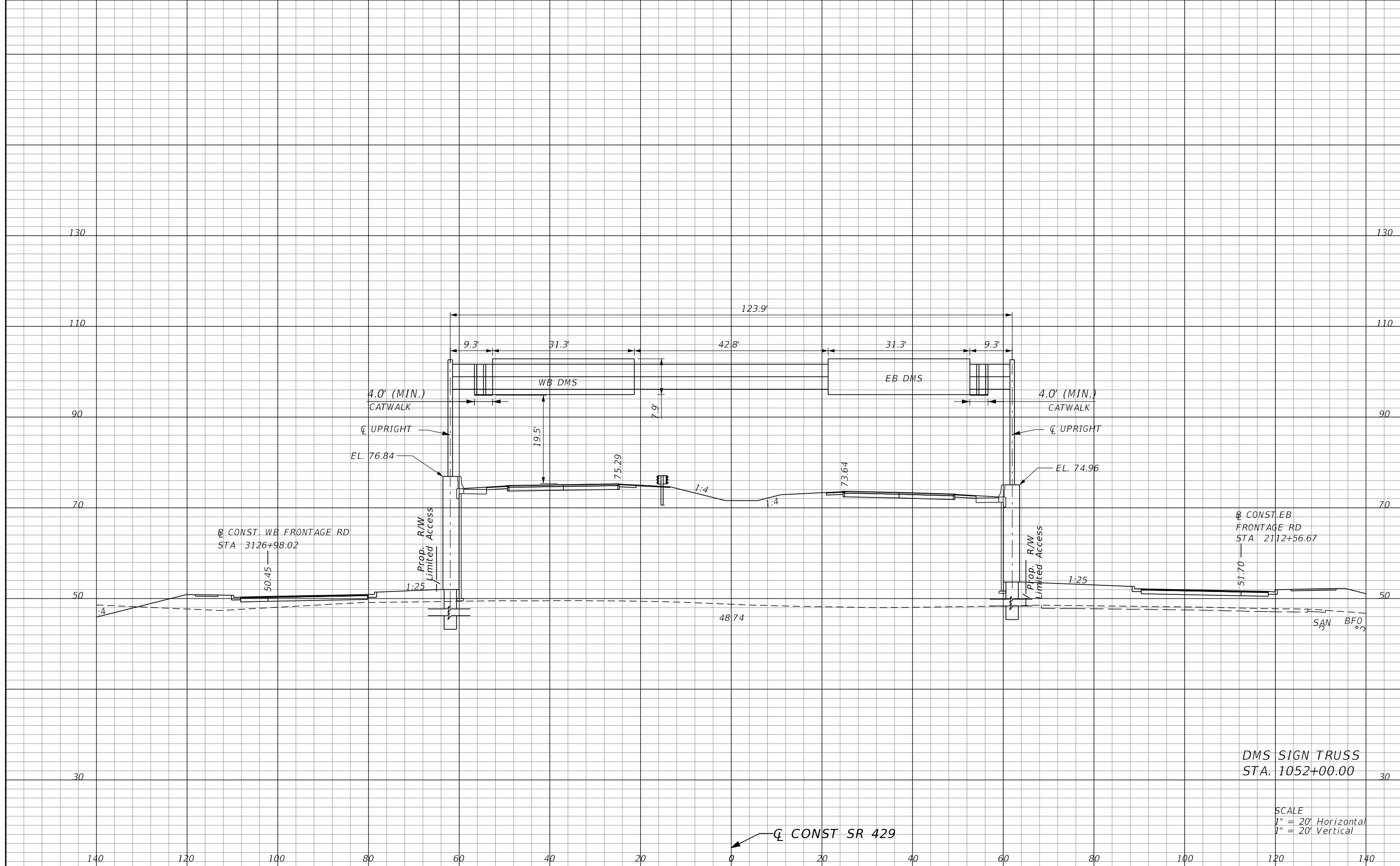
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
Traffic Engineering Data Solutions, Inc.
80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778
CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

OVERHEAD SIGN CROSS SECTION
SR 429

SHEET NO.
S-73



DMS SIGN TRUSS
STA. 1052+00.00

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

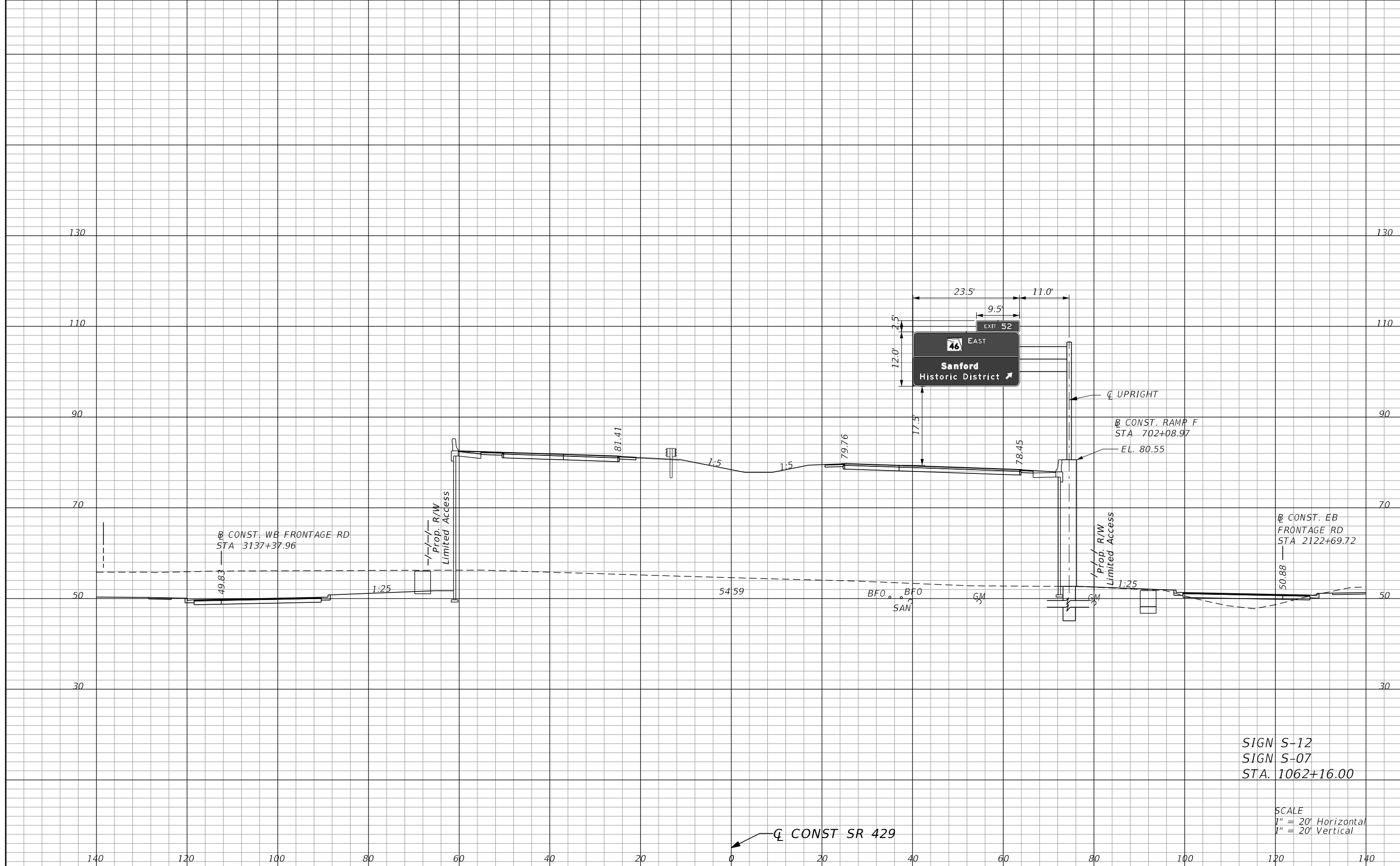
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
Traffic Engineering Data Solutions, Inc.
80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778
CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

OVERHEAD SIGN CROSS SECTION
SR 429

SHEET NO.
S-74

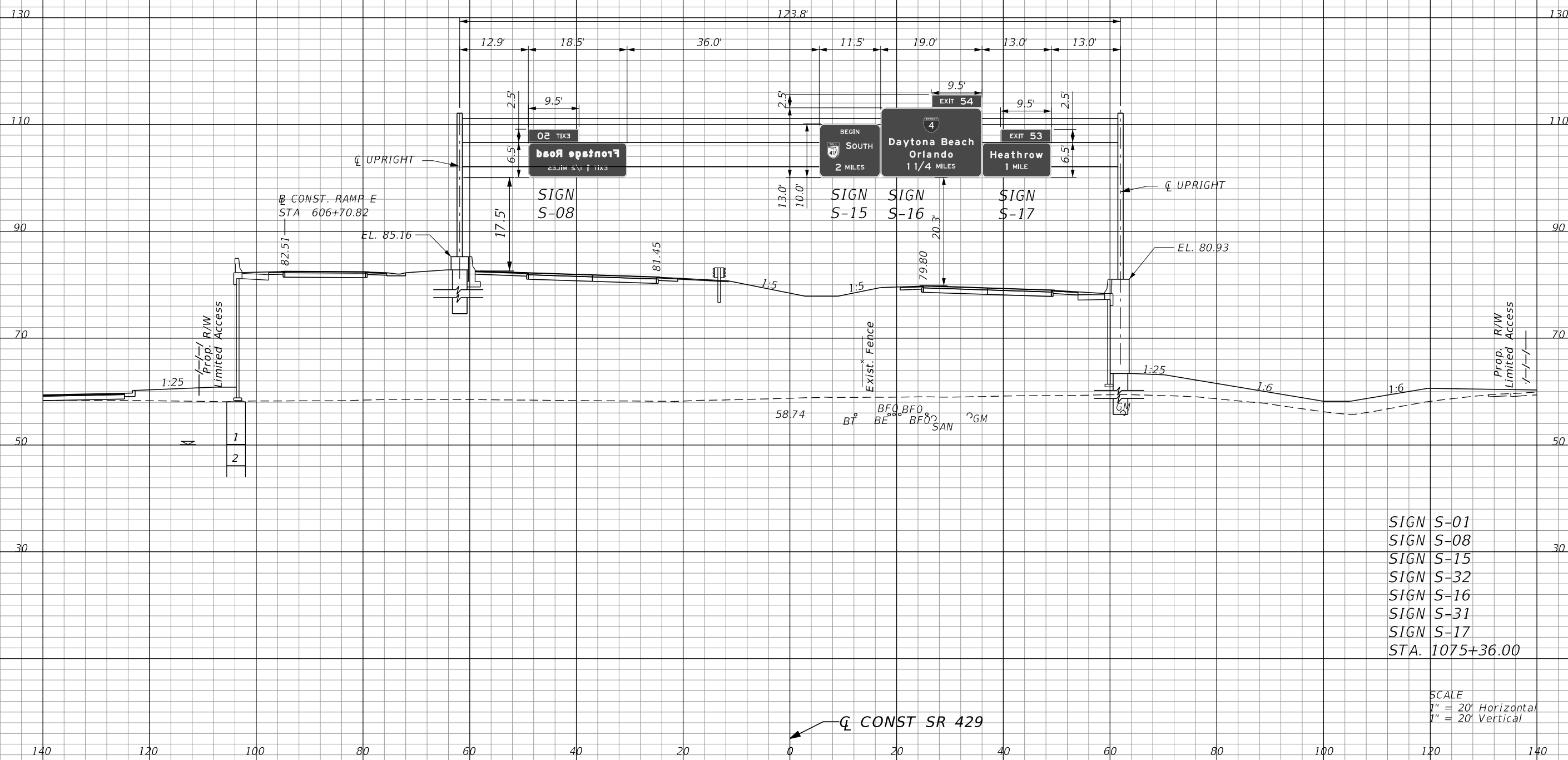


SIGN S-12
SIGN S-07
STA. 1062+16.00

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

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OVERHEAD SIGN CROSS SECTION SR 429	SHEET NO. S-75
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				429	SEMINOLE	240200-2-52-01		

CHRIS J. WALSH, P.E. PE No. 57626
Traffic Engineering Data Solutions, Inc.
80 Spring Vista Drive Phone: 386.753.0558
DeBary, FL 32713 Fax: 386.753.0778
CERTIFICATION OF AUTHORIZATION # 27392

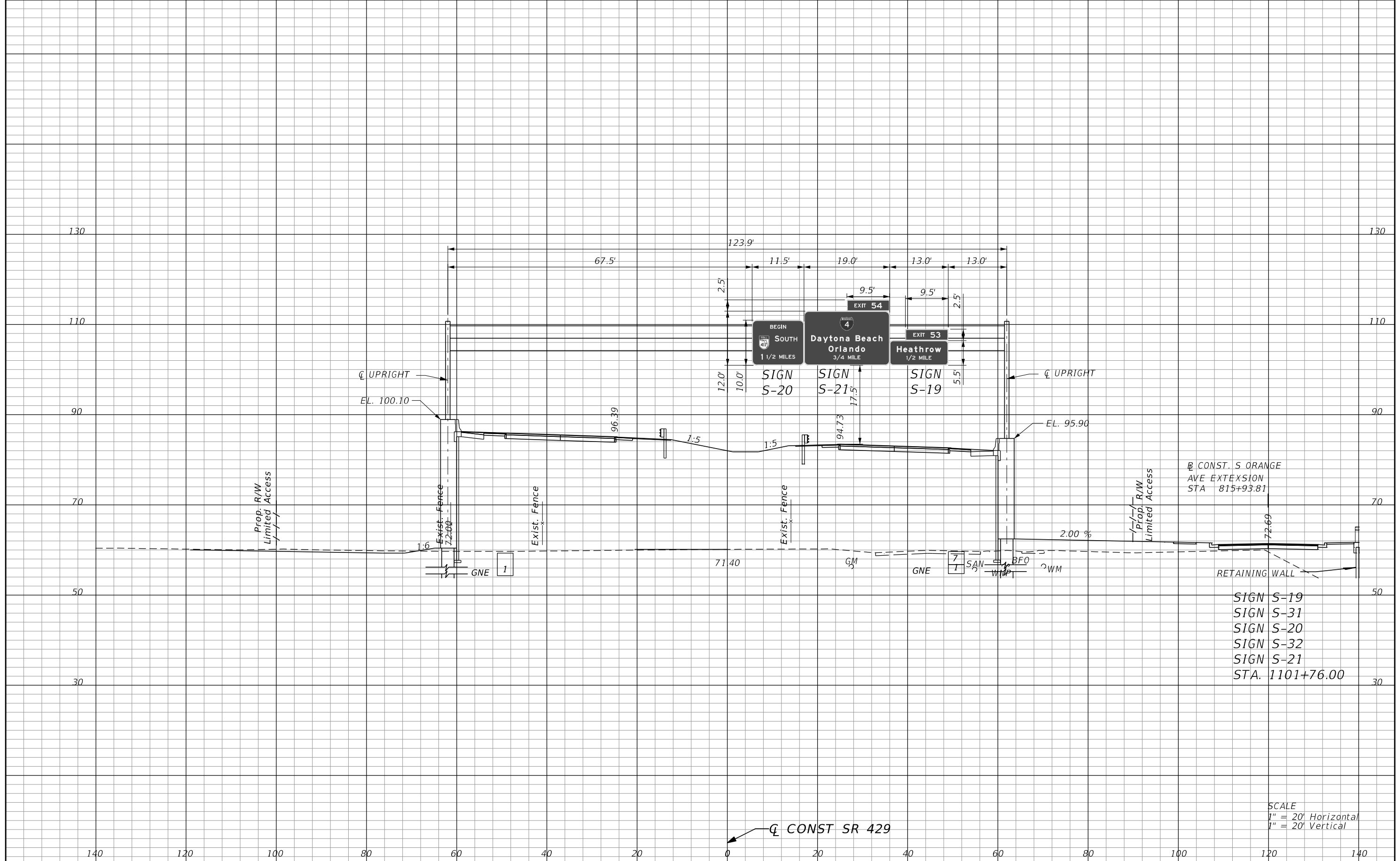


SIGN S-01
 SIGN S-08
 SIGN S-15
 SIGN S-32
 SIGN S-16
 SIGN S-31
 SIGN S-17
 STA. 1075+36.00

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

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			OVERHEAD SIGN CROSS SECTION SR 429	SHEET NO. S-76
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				429	SEMINOLE	240200-2-52-01		

CHRIS J. WALSH, P.E. PE No. 57626
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392



SIGN S-19
 SIGN S-31
 SIGN S-20
 SIGN S-32
 SIGN S-21
 STA. 1101+76.00

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

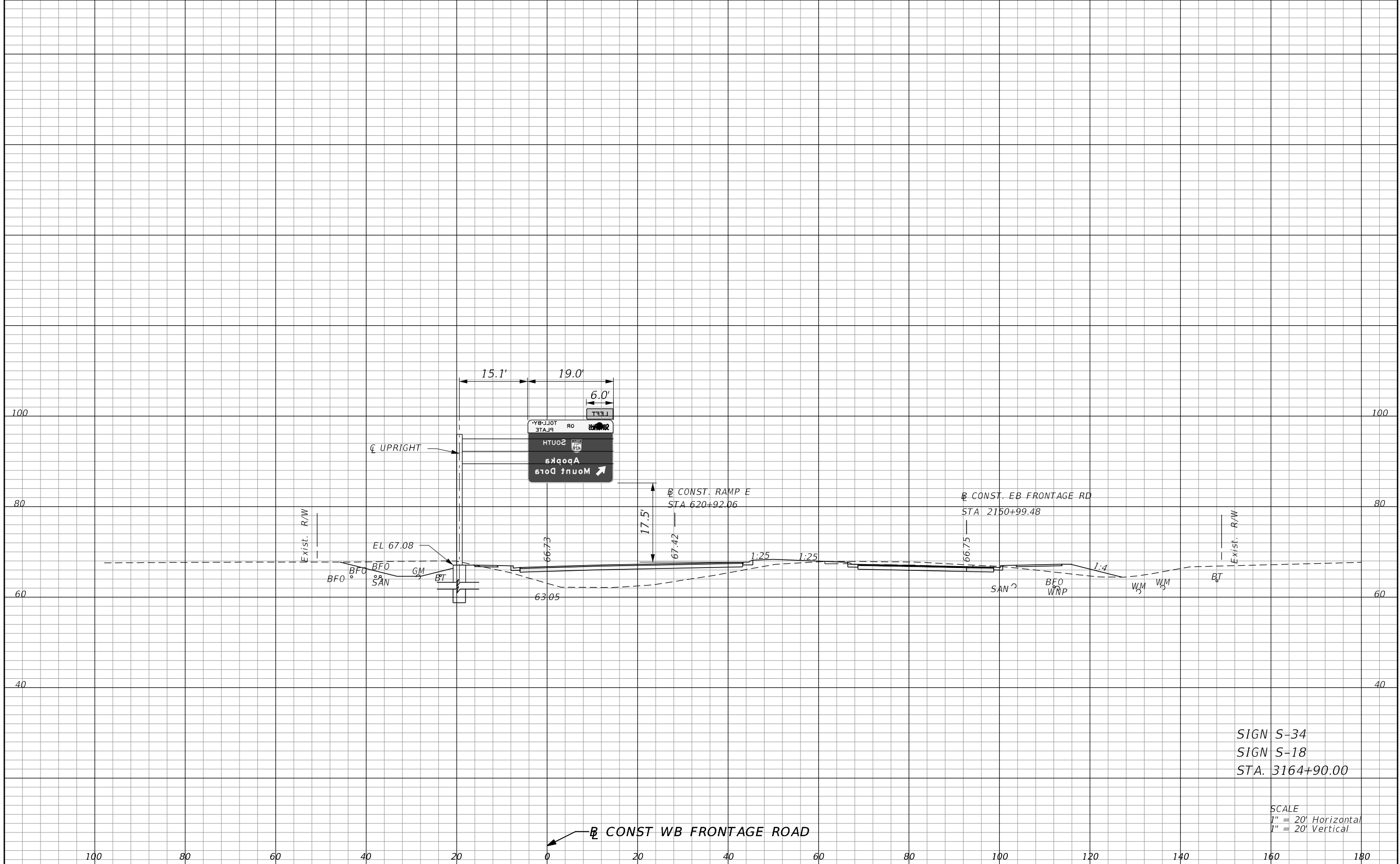
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CHRIS J. WALSH, P.E. PE No. 57626
 Traffic Engineering Data Solutions, Inc.
 80 Spring Vista Drive Phone: 386.753.0558
 DeBary, FL 32713 Fax: 386.753.0778
 CERTIFICATION OF AUTHORIZATION # 27392

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

OVERHEAD SIGN CROSS SECTION
SR 429

SHEET NO.
 S-77



SIGN S-34
 SIGN S-18
 STA. 3164+90.00

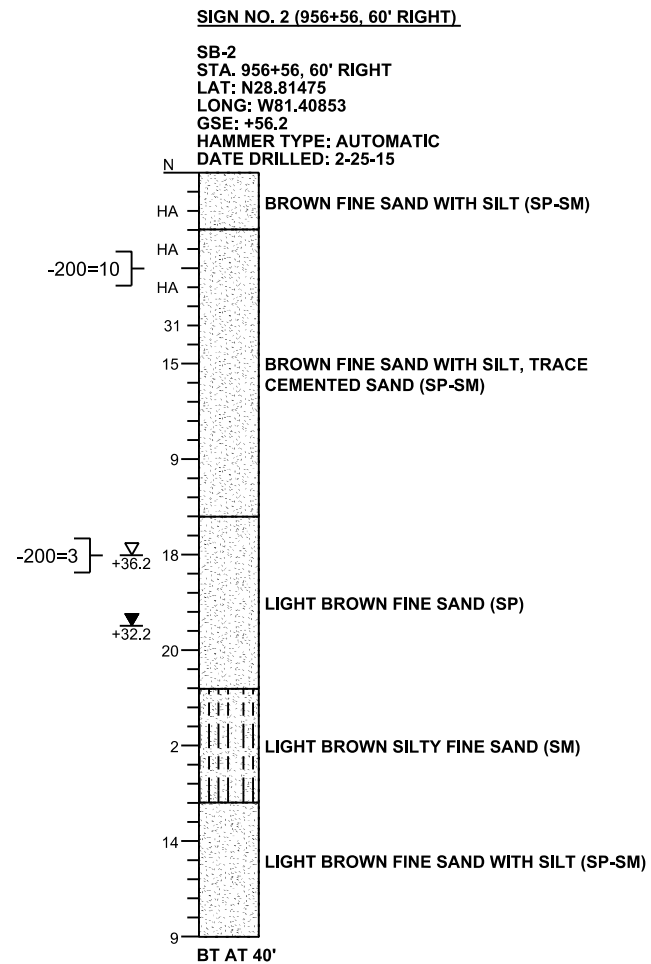
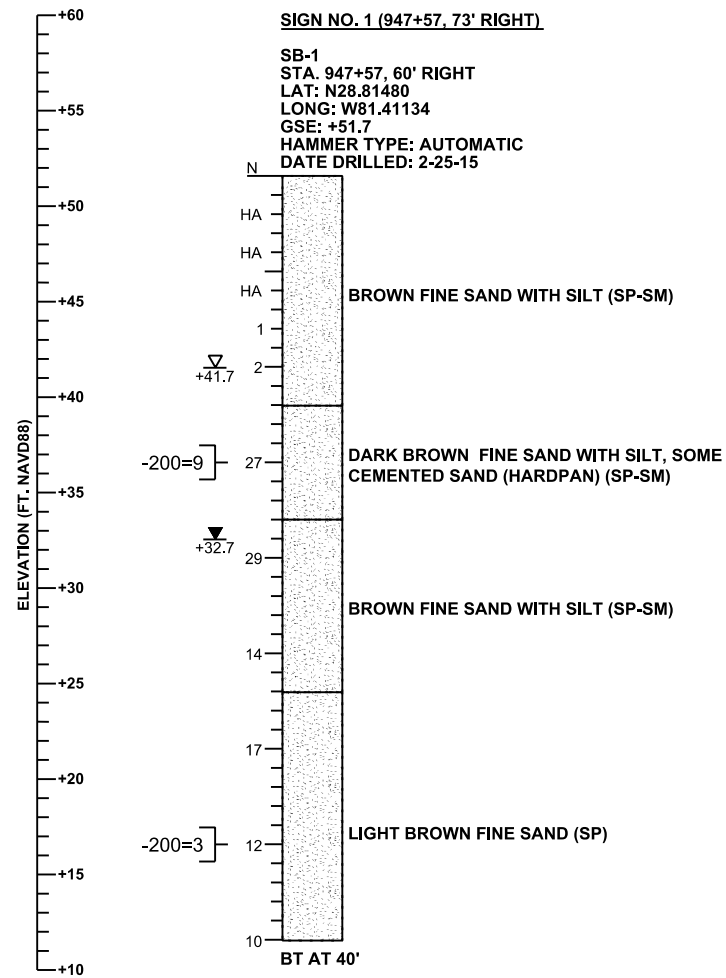
SCALE
 1" = 20' Horizontal
 1" = 20' Vertical

CONST WB FRONTAGE ROAD

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

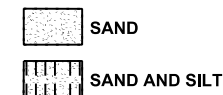
CHRIS J. WALSH, P.E. PE No. 57626 Traffic Engineering Data Solutions, Inc. 80 Spring Vista Drive Phone: 386.753.0558 DeBary, FL 32713 Fax: 386.753.0778 CERTIFICATION OF AUTHORIZATION # 27392		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
429	SEMINOLE	240200-2-52-01	

OVERHEAD SIGN CROSS SECTION WB FRONTAGE RD		SHEET NO. S-78
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LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- ▽+36.2 ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▽+32.2 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE



GENERAL NOTES

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

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 IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

THE BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO 7X). GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING LOCATIONS REFERENCE THE SR 429 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 +20 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +20 FT. NAVD88.

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

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

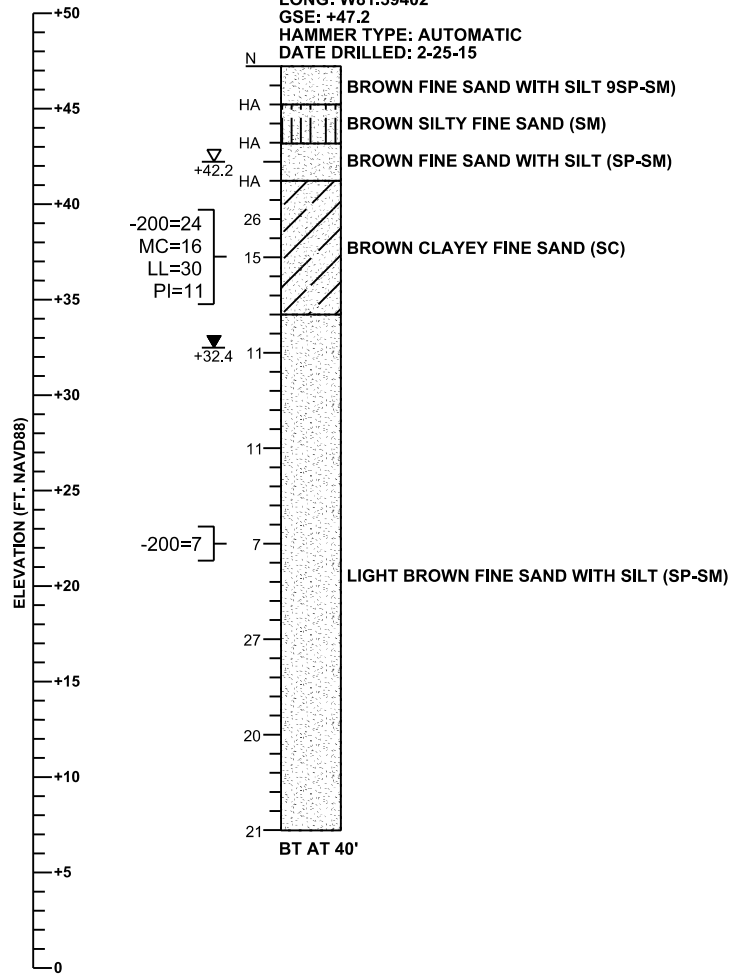
AUTOMATIC HAMMER		
GRANULAR SOILS	N VALUE (blows per foot)	RELATIVE DENSITY
SANDS	0-3	VERY LOOSE
	3-8	LOOSE
	8-24	MEDIUM DENSE
	24-40	DENSE
	OVER 40	VERY DENSE
AUTOMATIC HAMMER		
NON-GRANULAR SOILS	N VALUE (blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
	1-3	SOFT
	3-6	FIRM
	6-12	STIFF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

SECTION: 39
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST

REVISIONS						GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	DRAWN BY: SKR CHECKED BY: DCS 42763 DESIGNED BY: CGB 71571 CHECKED BY: CGB 71571	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: REPORT OF SPT BORINGS PROJECT NAME: WEKIVA PARKWAY SECTION 7A	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SHEET NO.
								429	SEMINOLE	240200-2-52-01		
										5-79		

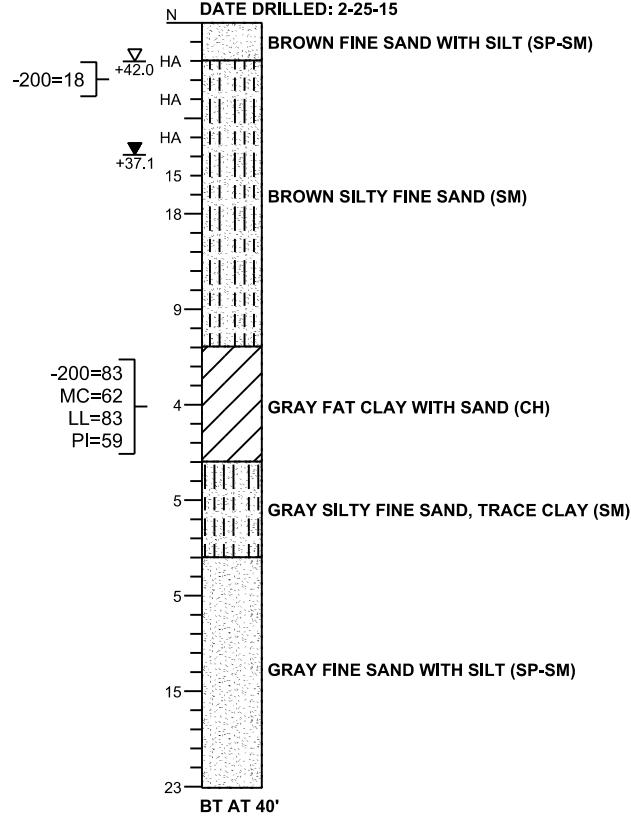
SIGN NO. 3 (1002+95, 78' LEFT)

SB-3
 STA. 1002+95, 77' LEFT
 LAT: N28.81502
 LONG: W81.39402
 GSE: +47.2
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 2-25-15



SIGN NO. 4 (1009+36, 73' RIGHT)

SB-4
 STA. 1009+36, 73' RIGHT
 LAT: N28.81434
 LONG: W81.39212
 GSE: +44.0
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 2-25-15



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- ▽ ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▽ ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC= PERCENT NATURAL MOISTURE CONTENT
- LL= LIQUID LIMIT
- PI= PLASTICITY INDEX



GENERAL NOTES

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

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 IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

THE BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO 7X). GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING LOCATIONS REFERENCE THE SR 429 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 +22 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +22 FT. NAVD88.

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

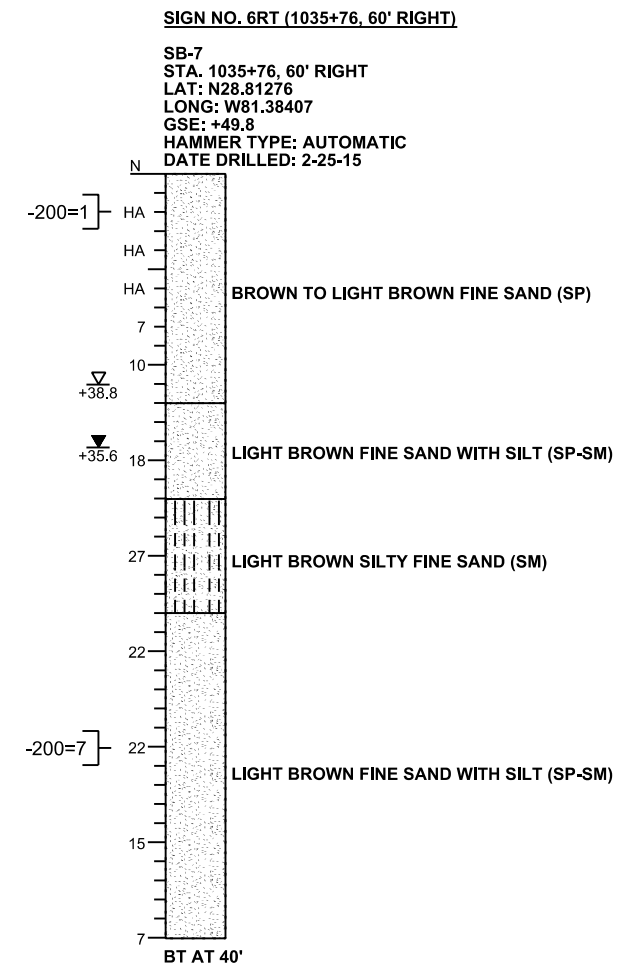
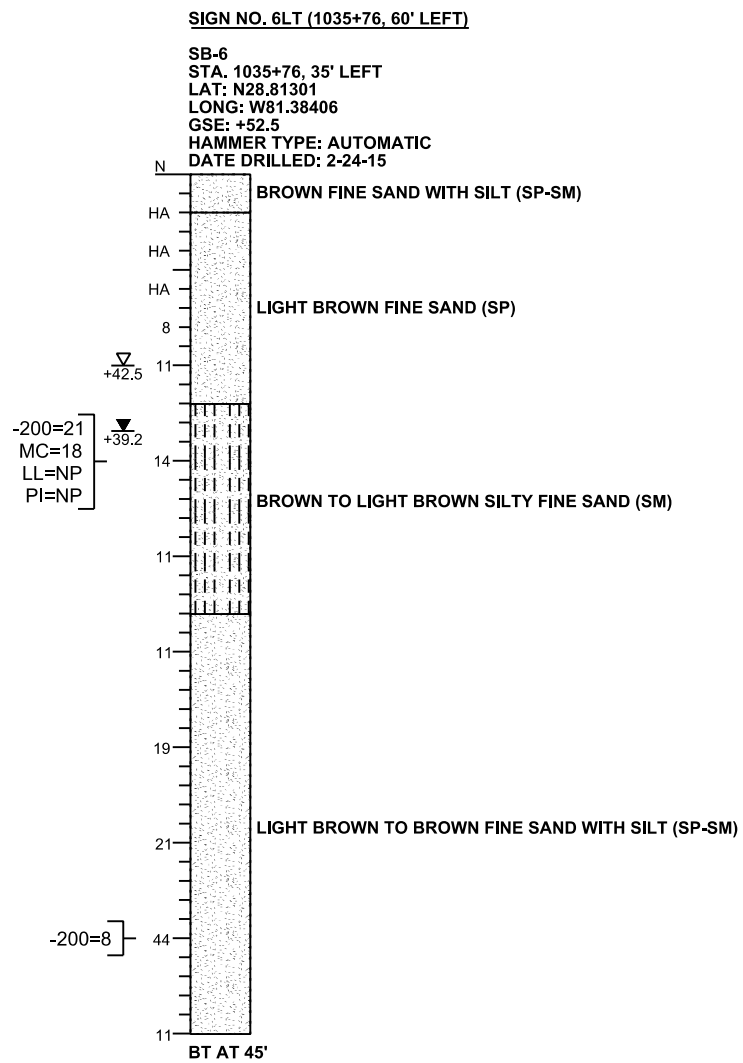
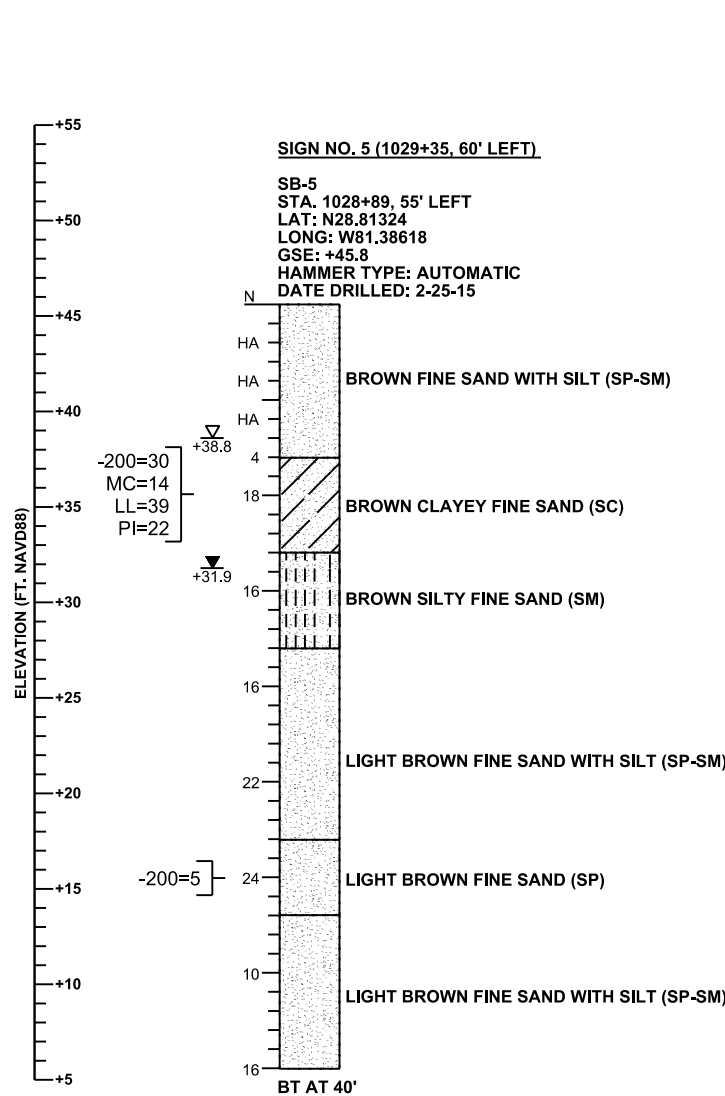
CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR SOILS	AUTOMATIC HAMMER 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	AUTOMATIC HAMMER N VALUE (blows per foot)	
	CONSISTENCY	
	0-1	VERY SOFT
	1-3	SOFT
	3-6	FIRM
	6-12	STIFF
12-24	VERY STIFF	
OVER 24	HARD	

BORING SB-3:
 SECTION: 22
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST

BORING SB-4:
 SECTION: 26
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST

REVISIONS						GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	DRAWN BY: SKR CHECKED BY: DCS 42763 DESIGNED BY: CGB 71571 CHECKED BY: CGB 71571	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: REPORT OF SPT BORINGS PROJECT NAME: WEKIVA PARKWAY SECTION 7A	REF. DWG. NO. SHEET NO. S-80
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
								429	SEMINOLE	240200-2-52-01		



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- ▽ +38.8 ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▼ +31.9 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC= PERCENT NATURAL MOISTURE CONTENT
- LL= LIQUID LIMIT
- PI= PLASTICITY INDEX
- NP= NON-PLASTIC



GENERAL NOTES

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

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 IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

THE BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO 7X). GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING LOCATIONS REFERENCE THE SR 429 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 +23 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +23 FT. NAVD88.

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

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

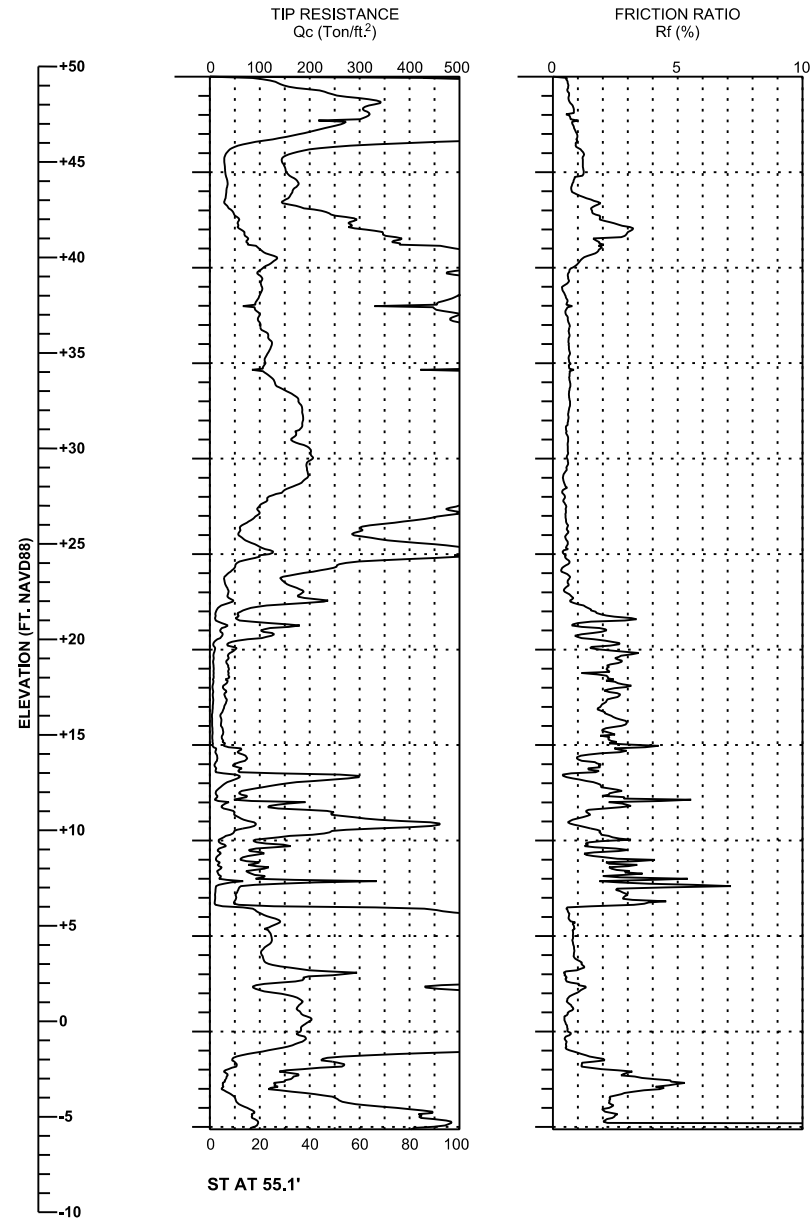
GRANULAR SOILS	AUTOMATIC HAMMER N VALUE (blows per foot)		
	RELATIVE DENSITY		
SANDS	0-3	VERY LOOSE	
	3-8	LOOSE	
	8-24	MEDIUM DENSE	
	24-40	DENSE	
	OVER 40	VERY DENSE	
NON-GRANULAR SOILS	AUTOMATIC HAMMER N VALUE (blows per foot)		
	CONSISTENCY		
	SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
		1-3	SOFT
		3-6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

SECTION: 26
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST

REVISIONS						GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	DRAWN BY: SKR CHECKED BY: DCS 42763 DESIGNED BY: CGB 71571 CHECKED BY: CGB 71571	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: REPORT OF SPT BORINGS	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							429	SEMINOLE	240200-2-52-01	WEKIVA PARKWAY SECTION 7A	5-81	

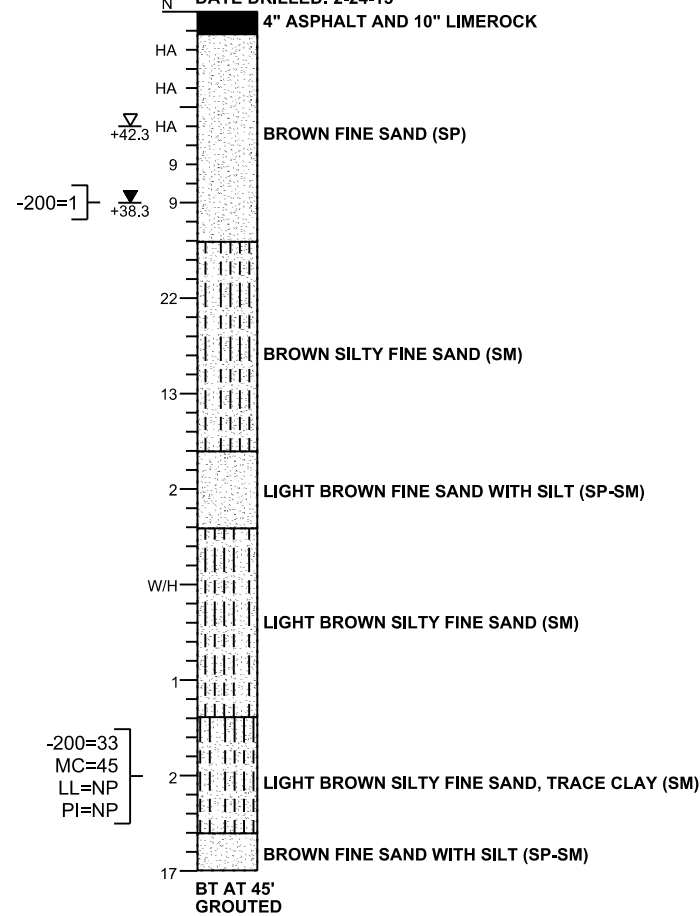
SIGN NO. 7LT (1052+00, 60' LEFT)

WB-74
 STA. 1052+00, 60' LEFT
 LAT: N28.81313
 LONG: W81.37900
 GSE: +49.4
 DATE DRILLED: 7-14-14



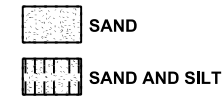
SIGN NO. 7RT (1052+00, 60' RIGHT)

SB-8
 STA. 1052+00, 60' RIGHT
 LAT: N28.81280
 LONG: W81.37899
 GSE: +48.3
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 2-24-15



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- W/H WEIGHT OF HAMMER
- ▽ +42.3 ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▼ +38.3 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC= PERCENT NATURAL MOISTURE CONTENT
- LL= LIQUID LIMIT
- PI= PLASTICITY INDEX
- NP= NON-PLASTIC



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

ELECTRONIC CONE PENETRATION TEST SOUNDINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-3441-79.

THE BORING AND SOUNDING LOCATIONS WERE ESTABLISHED IN THE FIELD USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO 7X). GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING AND SOUNDING LOCATIONS REFERENCE THE SR 429 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 +25 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +25 FT. NAVD88.

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

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

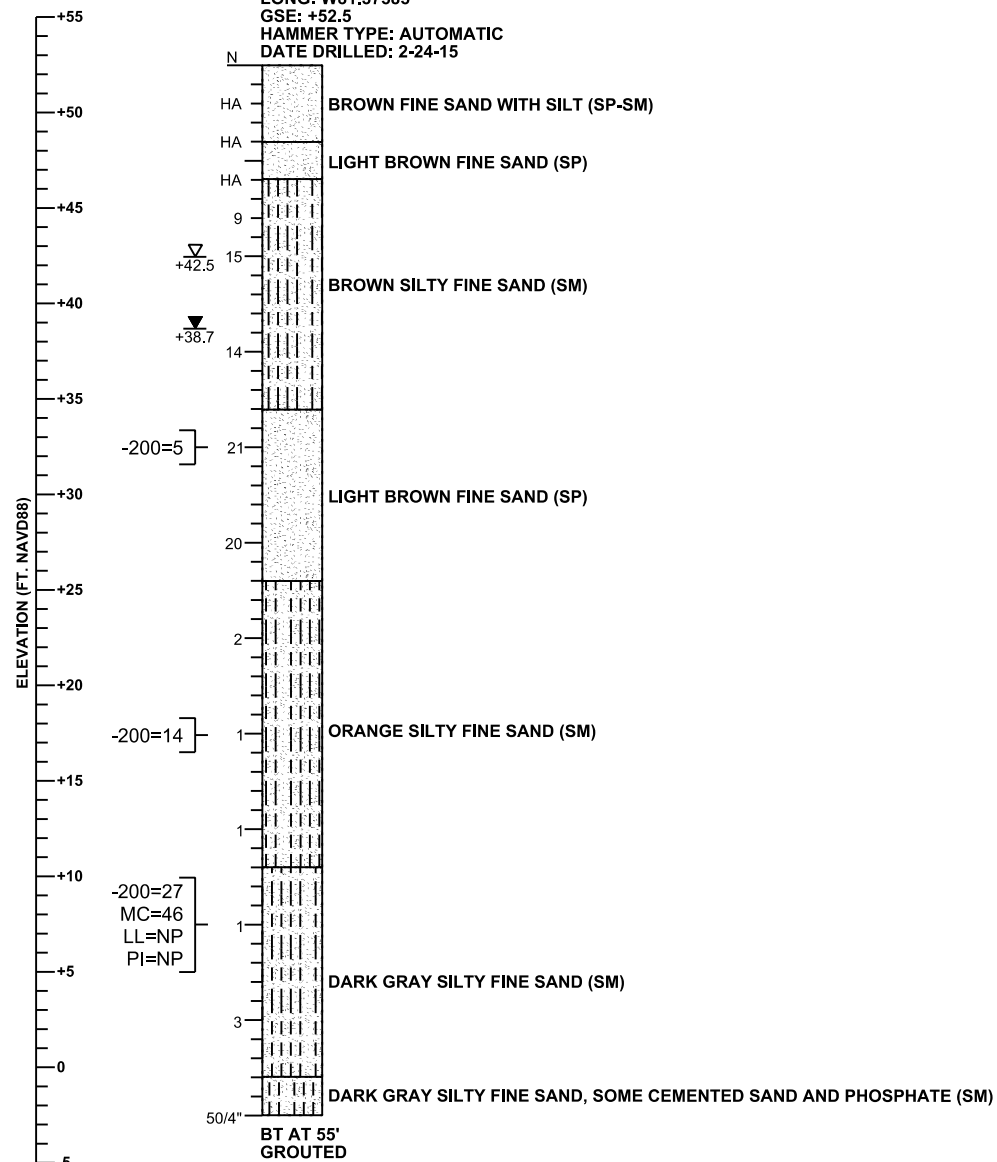
AUTOMATIC HAMMER		
GRANULAR SOILS	N VALUE (blows per foot)	RELATIVE DENSITY
SANDS	0-3	VERY LOOSE
	3-8	LOOSE
	8-24	MEDIUM DENSE
	24-40	DENSE
	OVER 40	VERY DENSE
AUTOMATIC HAMMER		
NON-GRANULAR SOILS	N VALUE (blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
	1-3	SOFT
	3-6	FIRM
	6-12	STIFF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

SECTION: 26
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST

REVISIONS						GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763			ROAD NO. COUNTY FINANCIAL PROJECT ID			REPORT OF SPT BORING AND CPT SOUNDING		
						429	SEMINOLE	240200-2-52-01	PROJECT NAME:		WEKIVA PARKWAY SECTION 7A		SHEET NO.	
													5-82	

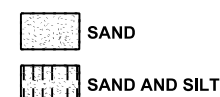
SIGN NO. 8 (1062+16, 73' RIGHT)

SB-9
 STA. 1062+16, 73' RIGHT
 LAT: N28.81268
 LONG: W81.37585
 GSE: +52.5
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 2-24-15



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- 50/4" NUMBER OF BLOWS FOR 4 INCHES OF PENETRATION
- ▽+42.5 ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▼+38.7 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC= PERCENT NATURAL MOISTURE CONTENT
- LL= LIQUID LIMIT
- PI= PLASTICITY INDEX
- NP= NON-PLASTIC



GENERAL NOTES

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

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.

THE BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO 7X). GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING LOCATIONS REFERENCE THE SR 429 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 +26 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +26 FT. NAVD88.

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

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

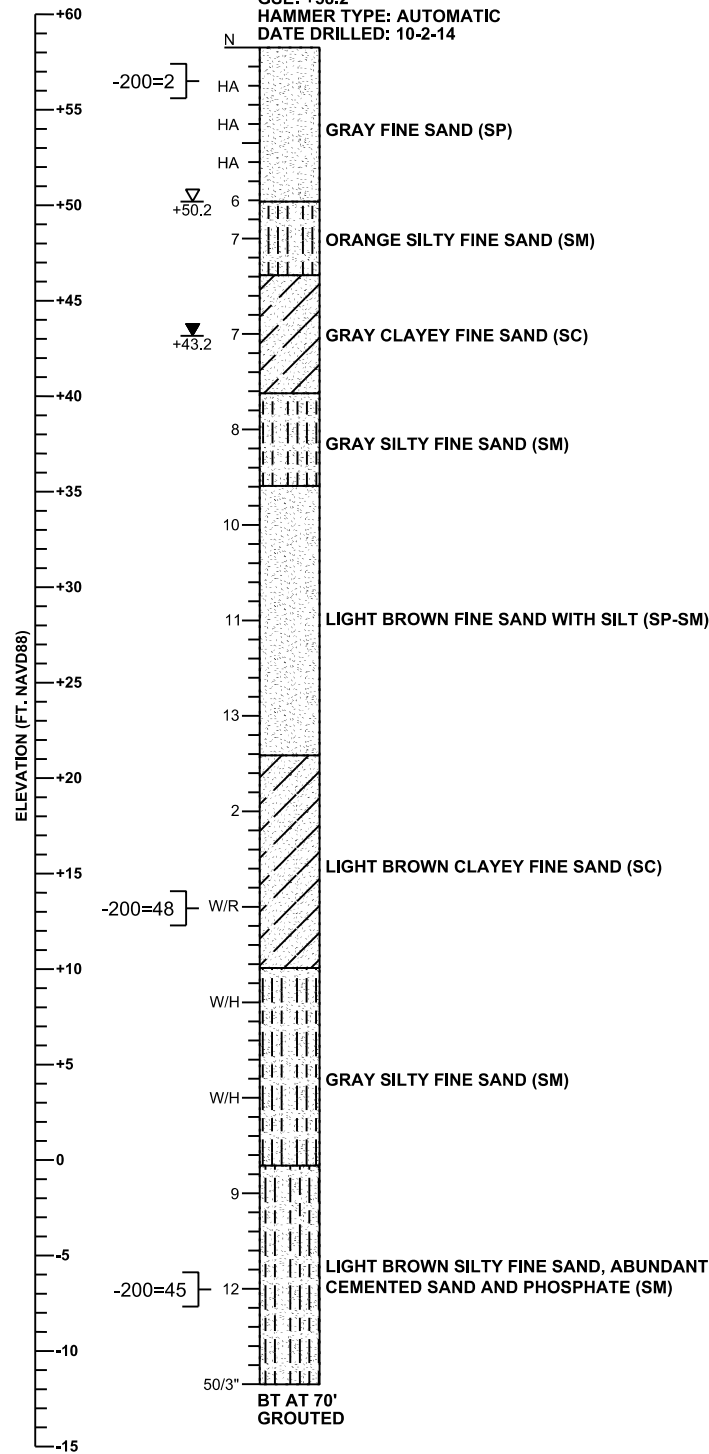
AUTOMATIC HAMMER		
GRANULAR SOILS	N VALUE (blows per foot)	RELATIVE DENSITY
SANDS	0-3	VERY LOOSE
	3-8	LOOSE
	8-24	MEDIUM DENSE
	24-40	DENSE
	OVER 40	VERY DENSE
AUTOMATIC HAMMER		
NON-GRANULAR SOILS	N VALUE (blows per foot)	CONSISTENCY
SILTS, CLAYS, MUCK, PEAT	0-1	VERY SOFT
	1-3	SOFT
	3-6	FIRM
	6-12	STIFF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

SECTION: 25
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST

REVISIONS						GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763			ROAD NO. COUNTY FINANCIAL PROJECT ID			REPORT OF SPT BORINGS		
						429	SEMINOLE	240200-2-52-01	PROJECT NAME:		WEKIVA PARKWAY SECTION 7A		SHEET NO.	
													5-83	

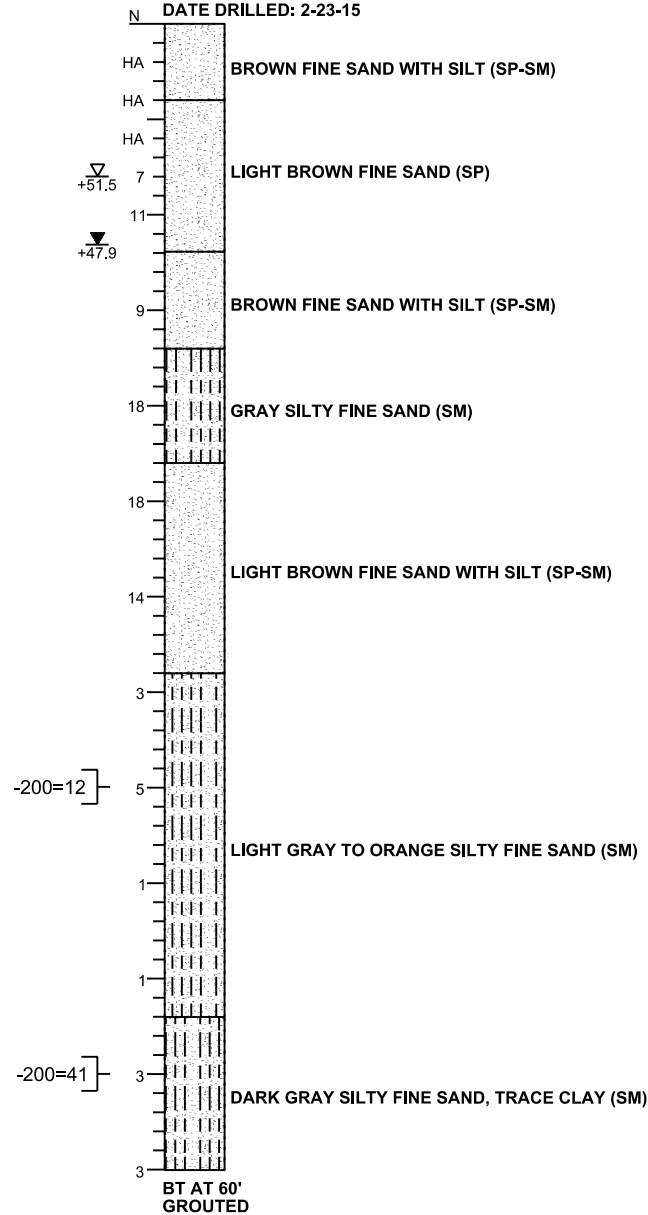
SIGN NO. 9LT (1075+36, 60' LEFT)

WB-93
 STA. 3157+00, 45' RIGHT
 LAT: 28.81242
 LONG: W81.37164
 GSE: +58.2
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 10-2-14



SIGN NO. 9RT (1075+36, 60' RIGHT)

SB-10
 STA. 1075+36, 60' RIGHT
 LAT: N28.81201
 LONG: W81.37185
 GSE: +59.5
 HAMMER TYPE: AUTOMATIC
 DATE DRILLED: 2-23-15



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
 - N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
 - HA HAND AUGERED FOR UTILITY CLEARANCE
 - 50/3" NUMBER OF BLOWS FOR 3 INCHES OF PENETRATION
 - W/H WEIGHT OF HAMMER
 - W/R WEIGHT OF ROD
 - ▽ ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
 - ▼ ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
 - BT BORING TERMINATED AT DEPTH INDICATED
 - 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- SAND SAND AND CLAY
 SAND AND SILT

GENERAL NOTES

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

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 IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

THE BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO 7X). GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING LOCATIONS REFERENCE THE SR 429 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 +27 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +27 FT. NAVD88.

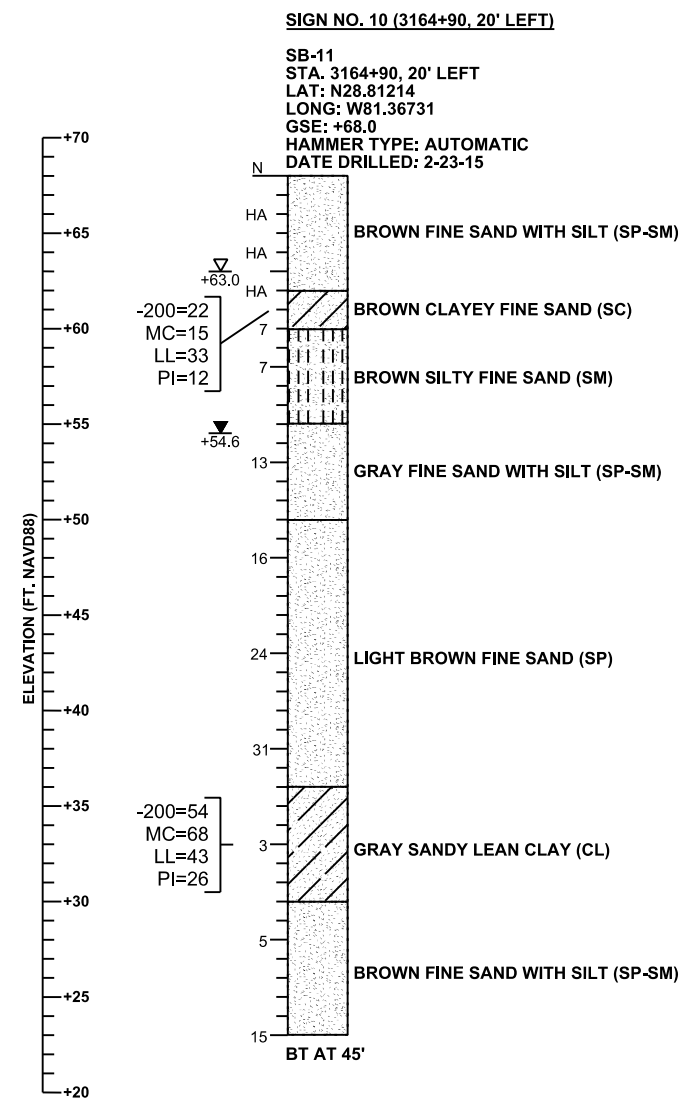
SPLIT SPOON SAMPLER:
 INSIDE DIAMETER: 1.375 IN.
 OUTSIDE DIAMETER: 2.0 IN.
 AVERAGE HAMMER DROP: 30 IN.
 HAMMER WEIGHT: 140 LBS.
 HAMMER TYPE: AUTOMATIC

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

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

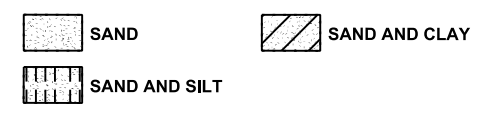
SECTION: 25
TOWNSHIP: 19 SOUTH
RANGE: 29 EAST

REVISIONS						GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	DRAWN BY: SKR CHECKED BY: DCS 42763 DESIGNED BY: CGB 71571 CHECKED BY: CGB 71571	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: REPORT OF SPT BORINGS	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							429	SEMINOLE	240200-2-52-01	WEKIVA PARKWAY SECTION 7A	5-84	



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- ▽ +63.0 ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▽ +54.6 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
- MC= PERCENT NATURAL MOISTURE CONTENT
- LL= LIQUID LIMIT
- PI= PLASTICITY INDEX



GENERAL NOTES

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

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 IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

THE BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO 7X). GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING LOCATIONS REFERENCE THE SR 429 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 +28 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +28 FT. NAVD88.

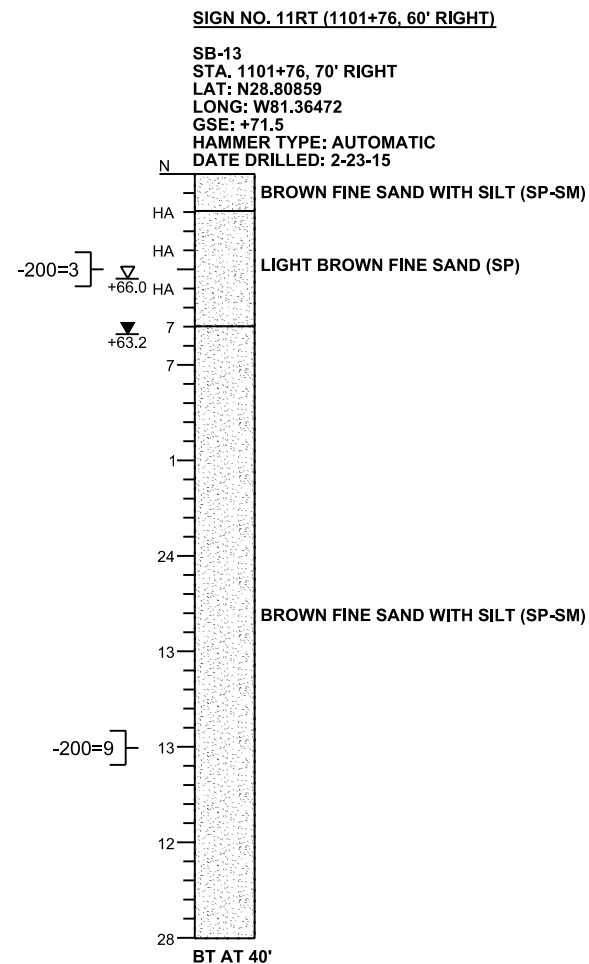
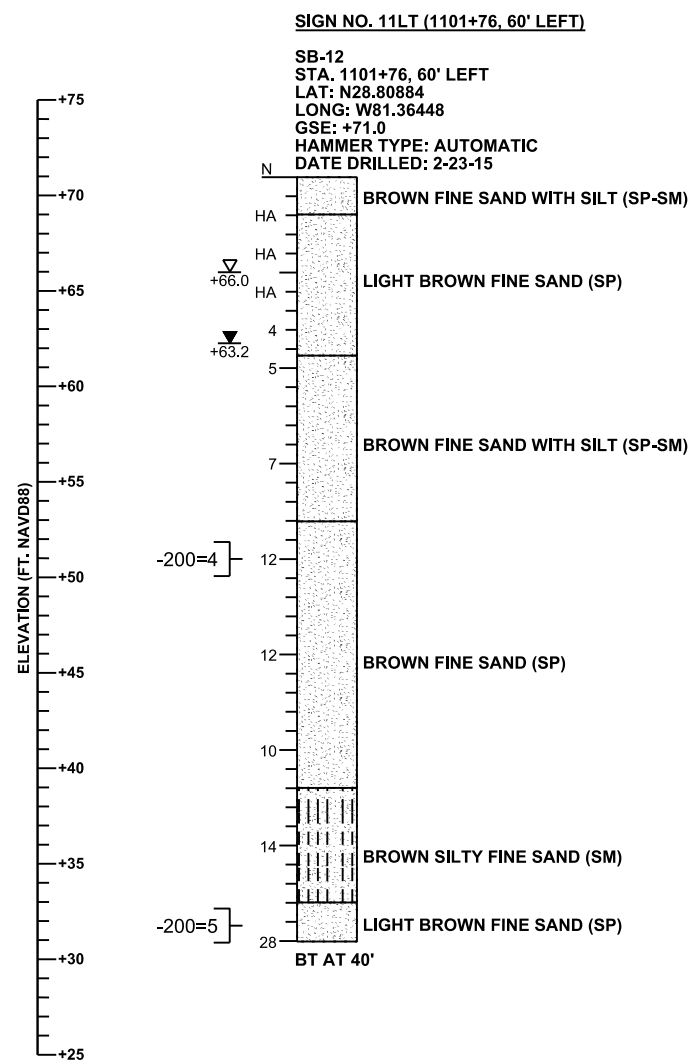
SPLIT SPOON SAMPLER:
 INSIDE DIAMETER: 1.375 IN.
 OUTSIDE DIAMETER: 2.0 IN.
 AVERAGE HAMMER DROP: 30 IN.
 HAMMER WEIGHT: 140 LBS.
 HAMMER TYPE: AUTOMATIC

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

AUTOMATIC HAMMER		
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
AUTOMATIC HAMMER		
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

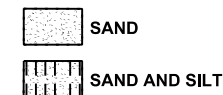
SECTION: 25
TOWNSHIP: 19 SOUTH
RANGE: 29 EAST

REVISIONS						GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	DRAWN BY: SKR CHECKED BY: DCS 42763 DESIGNED BY: CGB 71571 CHECKED BY: CGB 71571	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: REPORT OF SPT BORINGS	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							429	SEMINOLE	240200-2-52-01	WEKIVA PARKWAY SECTION 7A	S-85	



LEGEND

- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
- N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
- HA HAND AUGERED FOR UTILITY CLEARANCE
- ▽ +66.0 ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
- ▽ +63.2 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) ON DATE DRILLED
- BT BORING TERMINATED AT DEPTH INDICATED
- 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE



GENERAL NOTES

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

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 IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

THE BORING LOCATIONS WERE ESTABLISHED IN THE FIELD USING SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO 7X). GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING LOCATIONS REFERENCE THE SR 429 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 +29 FT. NAVD88. THE CONTRACTOR SHALL BE PREPARED TO HANDLE ARTESIAN HEAD LEVELS UP TO +29 FT. NAVD88.

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

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

AUTOMATIC HAMMER N VALUE (blows per foot)		
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
AUTOMATIC HAMMER N VALUE (blows per foot)		
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

SECTION: 25
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST

REVISIONS						GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	DRAWN BY: SKR CHECKED BY: DCS 42763 DESIGNED BY: CGB 71571 CHECKED BY: CGB 71571	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: REPORT OF SPT BORINGS	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							429	SEMINOLE	240200-2-52-01	WEKIVA PARKWAY SECTION 7A	5-86	