

SIGNING AND PAVEMENT MARKINGS PLANS

FOR LENA ROAD

FROM NORTH OF 44TH AVENUE EAST TO SR 64
MANATEE COUNTY, FLORIDA

MANATEE COUNTY PROJECT # 6107560



CONTRACT PLANS COMPONENTS:

SIGNING AND PAVEMENT MARKINGS
SIGNALIZATION
LIGHTING
LANDSCAPE

PROJECT TEAM:

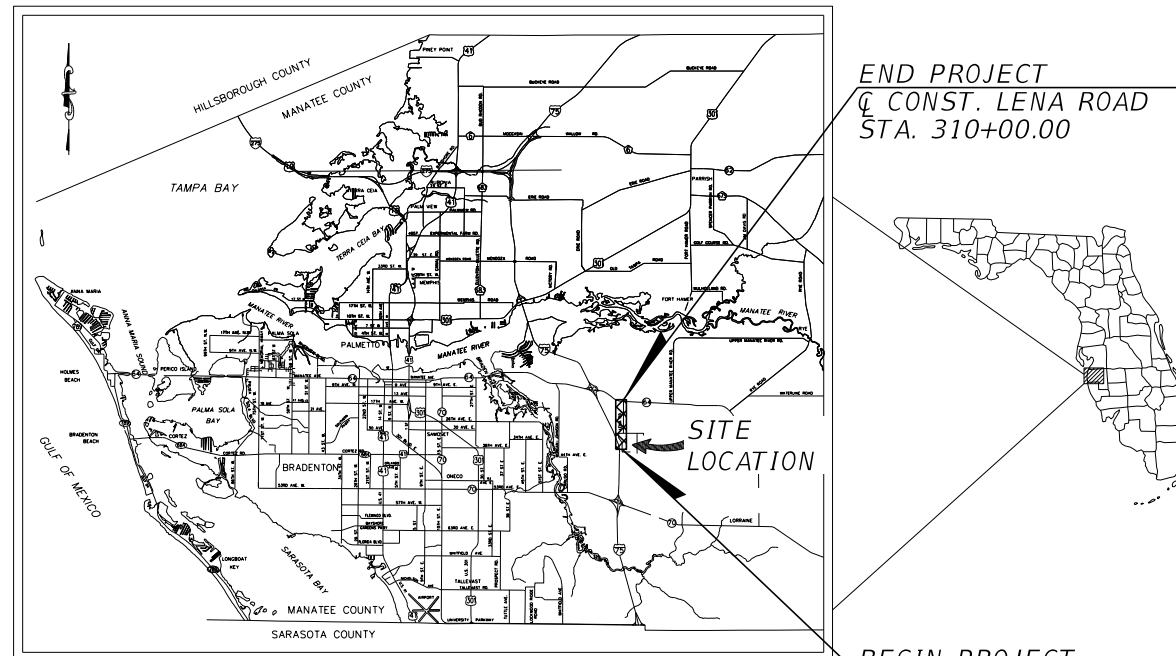
OWNER:
MANATEE COUNTY
1022 26TH AVE. E.
BRADENTON, FL 34206
CONTACT: TONY RUSSO, P.E.
(941) 708-7450 ext. 7349

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
201 NORTH FRANKLIN STREET, SUITE 1400
TAMPA, FL 33602
CONTACT: SHARI K. BARNWELL, P.E.
(813) 620-1460

SURVEYOR:
HYATT SURVEYING SERVICES INC.
2012 LENA ROAD
BRADENTON, FL 34211
CONTACT: JOHN MATTHEWS
(941) 748-4693

INDEX OF SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
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S-21	GUIDESIGN WORKSHEET
S-22	SIGNING CROSS SECTION



PROJECT VICINITY MAP

N.T.S.

90% PLANS SUBMITTAL
AUGUST 2023

PREPARED BY

Kimley»Horn

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201 NORTH FRANKLIN ST., SUITE 1400
TAMPA, FL 33602
PHONE (813) 620-1460
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No.	REVISIONS	DATE	BY

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	CIP NO. 6107560
	SHEET NUMBER S-1

NICOLE R. HECK, P.E.
FLORIDA LICENSE NUMBER:
84306
DATE: 06/30/2023

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

THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL



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KIMLEY-HORN AND ASSOCIATES, INC.
189 SOUTH ORANGE AVENUE, SUITE 1000
ORLANDO, FLORIDA 32801
NICOLE R. HECK, P.E. NO 84306

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

SIGNING AND PAVEMENT MARKING PLANS



SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
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S-6 - S-20	PLAN SHEETS
S-21	GUIDESIGN WORKSHEET
S-22	SIGNING CROSS SECTION

				 © 2023 KIMLEY-HORN AND ASSOCIATES, INC. 201 NORTH FRANKLIN STREET, SUITE 1400, TAMPA, FL 33602 PHONE: (813) 635-5514 WWW.KIMLEY-HORN.COM	KHA PROJECT 148400100 DATE JULY 2023 SCALE AS SHOWN DESIGNED BY DRAWN BY CHECKED BY	 MANATEE COUNTY LENA ROAD	LICENSED PROFESSIONAL NICOLE R. HECK, P.E. FL LICENSE NUMBER 84306	<i>SIGNATURE SHEET</i>	SHEET NUMBER S-2
No.	REVISIONS	DATE	BY						

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL			
			S-6		S-7		S-8		S-9		S-10		S-11		S-12		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF																		
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA																		
0654 2 21	MIDBLOCK CROSSWALK: RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR, COMPLETE SIGN	AS																		
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	2		2			1				1		5		11				
0700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS			1											1				
0700 1 13	SINGLE POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS	1													1				
0700 1 50	SINGLE POST SIGN, RELOCATE	AS								1				3		4				
0700 1 60	SINGLE POST SIGN, REMOVE	AS										1		1		2				
0705 11 1	DELINEATOR, FLEXIBLE TUBULAR	EA			1											1				
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	10		63			51		72		68		117		381				
0710 90	PAINT, FINAL SURFACE	LS	1													1				
0710 11290	PAINT, STD, YELLOW, ISLAND NOSE	SF			19			11								30				
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF			83			71		358		494		681		1687				
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	6													6				
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF			13					18				44		75				
0711 11141	THERMOPLASTIC, STANDARD, WHITE, DOTTED EXT., 6" (2'-4' DOTTED GUIDELINE)	GM																		
0711 11144	THERMOPLASTIC, STANDARD, WHITE, 2-2 DOTTED EXTENSION LINE, 12" FOR ROUNDABOUT	GM																		
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	2													2				
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	6		2			2		6		4		11		31				
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRONS	LF						94						188		282				
0711 11241	THERMOPLASTIC, STANDARD, YELLOW, GUIDE LINE, 6" (6'-10' DOTTED EXTENSION)	GM																		
0711 11241	THERMOPLASTIC, STANDARD, YELLOW, GUIDE LINE, 6" (2'-4' DOTTED GUIDELINE)	GM			0.031									0.032		0.063				
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF												0.032		0				
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.185		0.319		0.265	0.250		0.228		0.156		0.384		1.787				
0711 16102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM																		
0711 16131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP	GM																		
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.141		0.285		0.265	0.285		0.281		0.298		0.388		1.945				
0711 16231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6", 10-30 SKIP	GM						0.057		0.265		0.265		0.018		0.605				



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No.	REVISIONS	DATE	BY			

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			S-13		S-14		S-15		S-16		S-17		S-18		S-19		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF												200			200			
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA												4			4			
0654 2 21	MIDBLOCK CROSSWALK: RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR, COMPLETE SIGN	AS												8			8			
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	3		6		1		8		1		22		8	49				
0700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS									1		2		1	4				
0700 1 13	SINGLE POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS									1				1	2				
0700 1 50	SINGLE POST SIGN, RELOCATE	AS											1			1				
0700 1 60	SINGLE POST SIGN, REMOVE	AS	2				1						1		3	7				
0705 11 1	DELINEATOR, FLEXIBLE TUBULAR	EA	1		2				2						1	6				
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	44		45				45				46		67	247				
0710 90	PAINT, FINAL SURFACE	LS																		
0710 11290	PAINT, STD, YELLOW, ISLAND NOSE	SF	17		19				19						6	61				
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	146		101								456		673	1376				
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF											47			47				
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF											13		113	126				
0711 11141	THERMOPLASTIC, STANDARD, WHITE, DOTTED EXT., 6" (2'-4' DOTTED GUIDELINE)	GM											0.007		0.028	0.035				
0711 11144	THERMOPLASTIC, STANDARD, WHITE, 2-2 DOTTED EXTENSION LINE, 12" FOR ROUNDABOUT	GM											0.039			0.039				
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA											8			8				
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	3		3				3		1		14		11	35				
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRONS	LF	3												83	86				
0711 11241	THERMOPLASTIC, STANDARD, YELLOW, GUIDE LINE, 6" (6'-10' DOTTED EXTENSION)	GM	0.041		0.035				0.034							0.110				
0711 11241	THERMOPLASTIC, STANDARD, YELLOW, GUIDE LINE, 6" (2'-4' DOTTED GUIDELINE)	GM																		
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF											216		260	476				
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.247		0.277		0.265		0.298		0.266		0.435		0.296	2.084				
0711 16102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM											0.070			0.070				
0711 16131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP	GM											0.080		0.068	0.147				
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.239		0.238		0.265		0.239		0.265		0.258		0.229	1.733				
0711 16231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6",10-30 SKIP	GM																		



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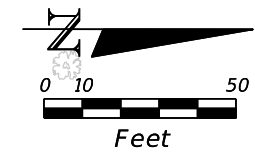
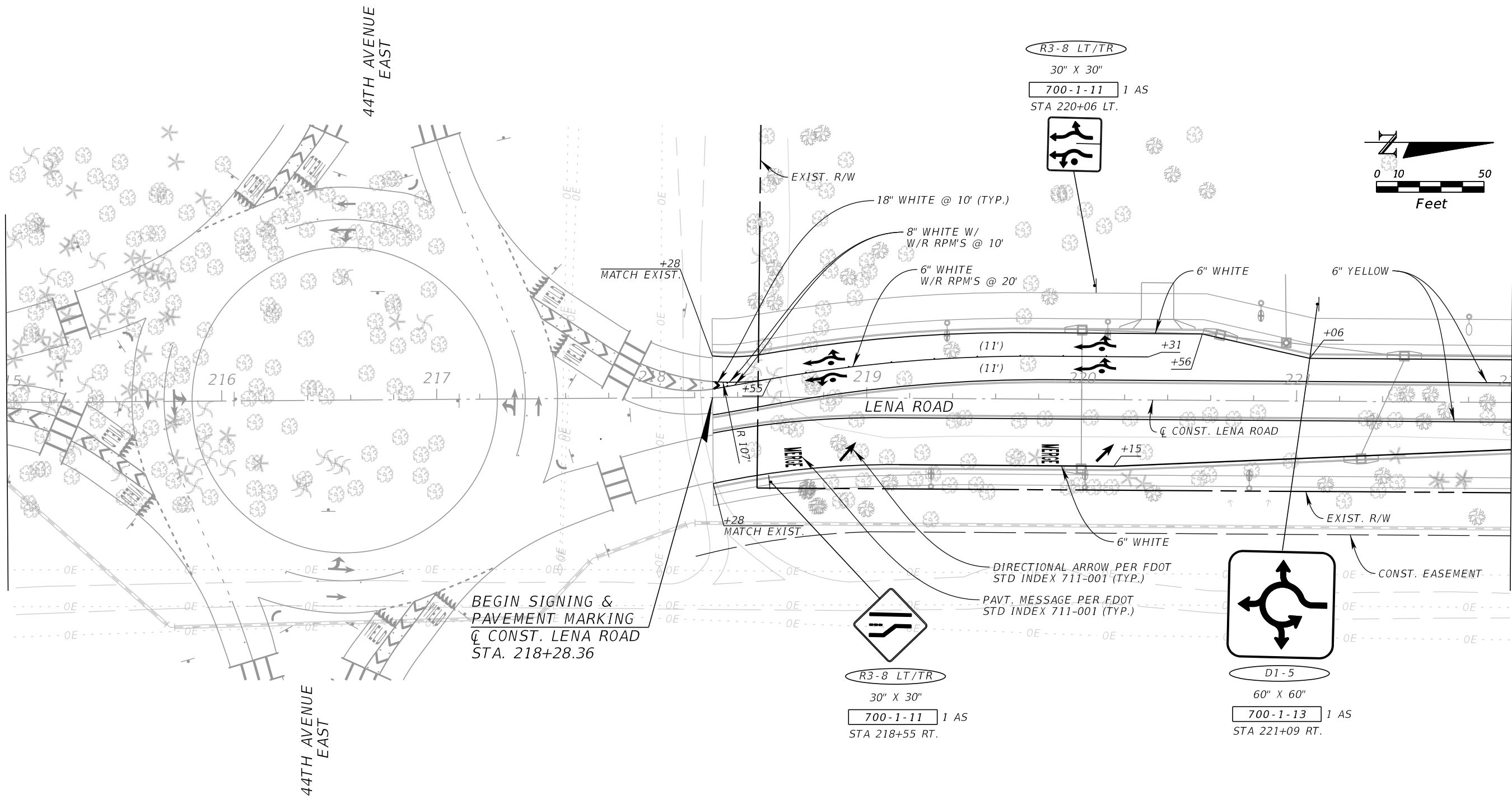
		KHA PROJECT 148400100 DATE JULY 2023 SCALE AS SHOWN DESIGNED BY DRAWN BY CHECKED BY				LICENSED PROFESSIONAL NICOLE R. HECK, P.E. FL LICENSE NUMBER 84306		SHEET NUMBER TABULATION OF QUANTITIES S-4			
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No.	REVISIONS	DATE	BY	7/26/2023 2:40:03 PM Default						K:\SAR_Roadway\TAM_Lena_Road\12345615201\signing\TABQSP01.dgn	

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			S-20														PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF																	200	
0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA																	4	
0654 2 21	MIDBLOCK CROSSWALK: RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR, COMPLETE SIGN	AS																	8	
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS																	60	
0700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS																	5	
0700 1 13	SINGLE POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS																	3	
0700 1 50	SINGLE POST SIGN, RELOCATE	AS																	5	
0700 1 60	SINGLE POST SIGN, REMOVE	AS																	9	
0705 11 1	DELINEATOR, FLEXIBLE TUBULAR	EA	2														2		9	
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	33														33		661	
0710 90	PAINT, FINAL SURFACE	LS																	1	
0710 11290	PAINT, STD, YELLOW, ISLAND NOSE	SF																	91	
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF																	3063	
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF																	53	
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF																	201	
0711 11141	THERMOPLASTIC, STANDARD, WHITE, DOTTED EXT., 6" (2'-4' DOTTED GUIDELINE)	GM																	0.035	
0711 11144	THERMOPLASTIC, STANDARD, WHITE, 2-2 DOTTED EXTENSION LINE, 12" FOR ROUNDABOUT	GM																	0.039	
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA																	10	
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA																	66	
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRONS	LF	38														38		406	
0711 11241	THERMOPLASTIC, STANDARD, YELLOW, GUIDE LINE, 6" (6'-10' DOTTED EXTENSION)	GM																	0.110	
0711 11241	THERMOPLASTIC, STANDARD, YELLOW, GUIDE LINE, 6" (2'-4' DOTTED GUIDELINE)	GM																	0.063	
0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF																	476	
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.109														0.109		3.980	
0711 16102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM																	0.070	
0711 16131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP	GM																	0.147	
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.181														0.181		3.859	
0711 16231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6",10-30 SKIP	GM																	0.605	

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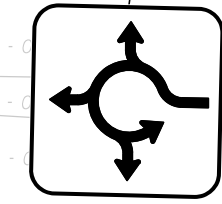
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No.	REVISIONS	DATE	BY			



R3-8 LT/TR
30" X 30"
700-1-11 1 AS
STA 220+06 LT.



R3-8 LT/TR
30" X 30"
700-1-11 1 AS
STA 218+55 RT.



D1-5
60" X 60"
700-1-13 1 AS
STA 221+09 RT.

BEGIN SIGNING &
PAVEMENT MARKING
Q CONST. LENA ROAD
STA. 218+28.36

MATCH LINE - STA. 222+00.00

No.	REVISIONS	DATE	BY

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KHA PROJECT 148400100
DATE JULY 2023
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY
MANATEE COUNTY Default

Manatee County
FLORIDA

LENA ROAD

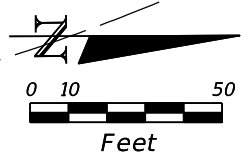
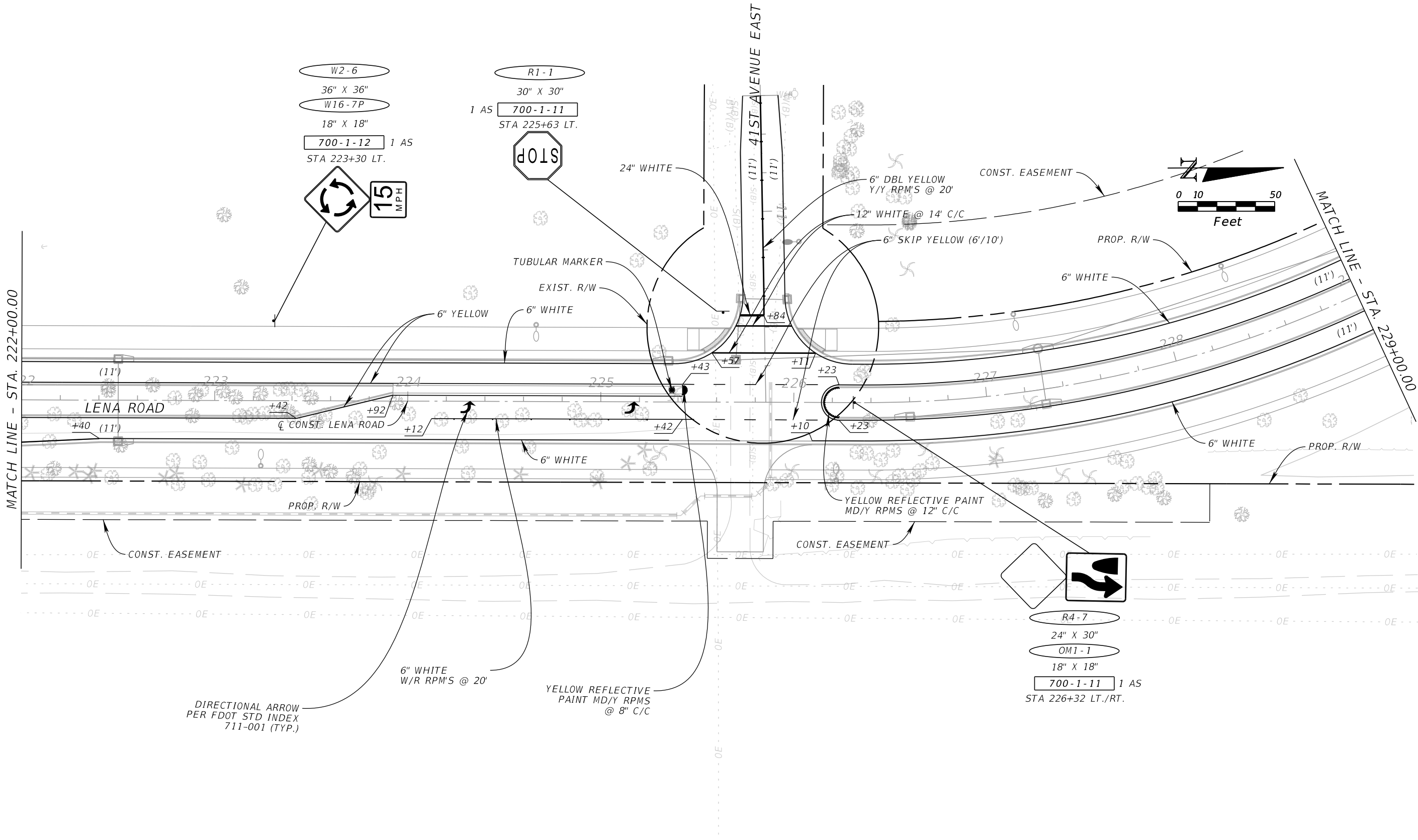
FL DATE:

LICENSED PROFESSIONAL

NICOLE R. HECK, P.E.
FL LICENSE NUMBER
84306

SIGNING AND PAVEMENT MARKING PLAN SHEET (01)

SHEET NUMBER
S-6



W2-6
36" X 36"
W16-7P
18" X 18"
700-1-12 1 AS
STA 223+30 LT.

R1-1
30" X 30"
1 AS 700-1-11
STA 225+63 LT.

R4-7
24" X 30"
OM1-1
18" X 18"
700-1-11 1 AS
STA 226+32 LT./RT.

DIRECTIONAL ARROW
PER FDOT STD INDEX
711-001 (TYP.)

No.	REVISIONS	DATE	BY

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LENA ROAD

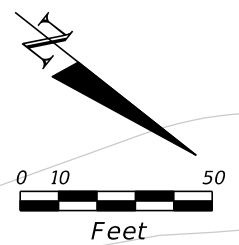
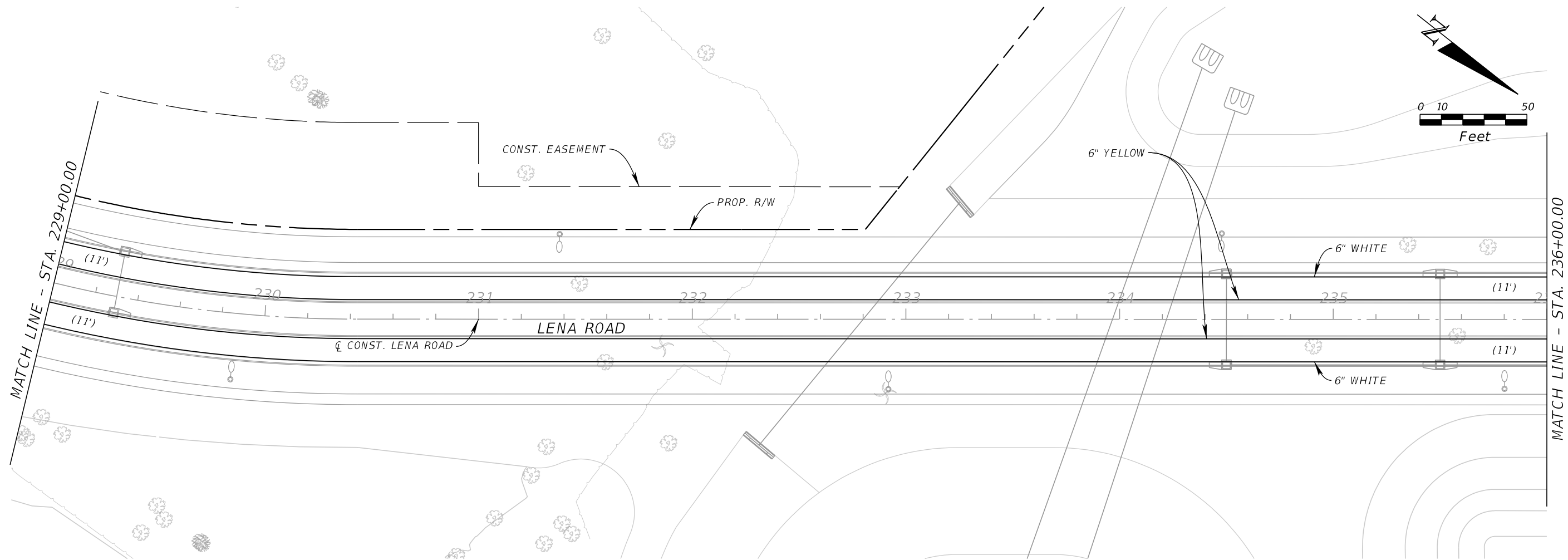
LICENSED PROFESSIONAL

NICOLE R. HECK, P.E.
FL LICENSE NUMBER
84306

SIGNING AND PAVEMENT MARKING PLAN SHEET (02)

SHEET NUMBER
S-7

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KHA PROJECT 148400100
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CHECKED BY
MANATEE COUNTY

Manatee County
FLORIDA

LENA ROAD

FL DATE:

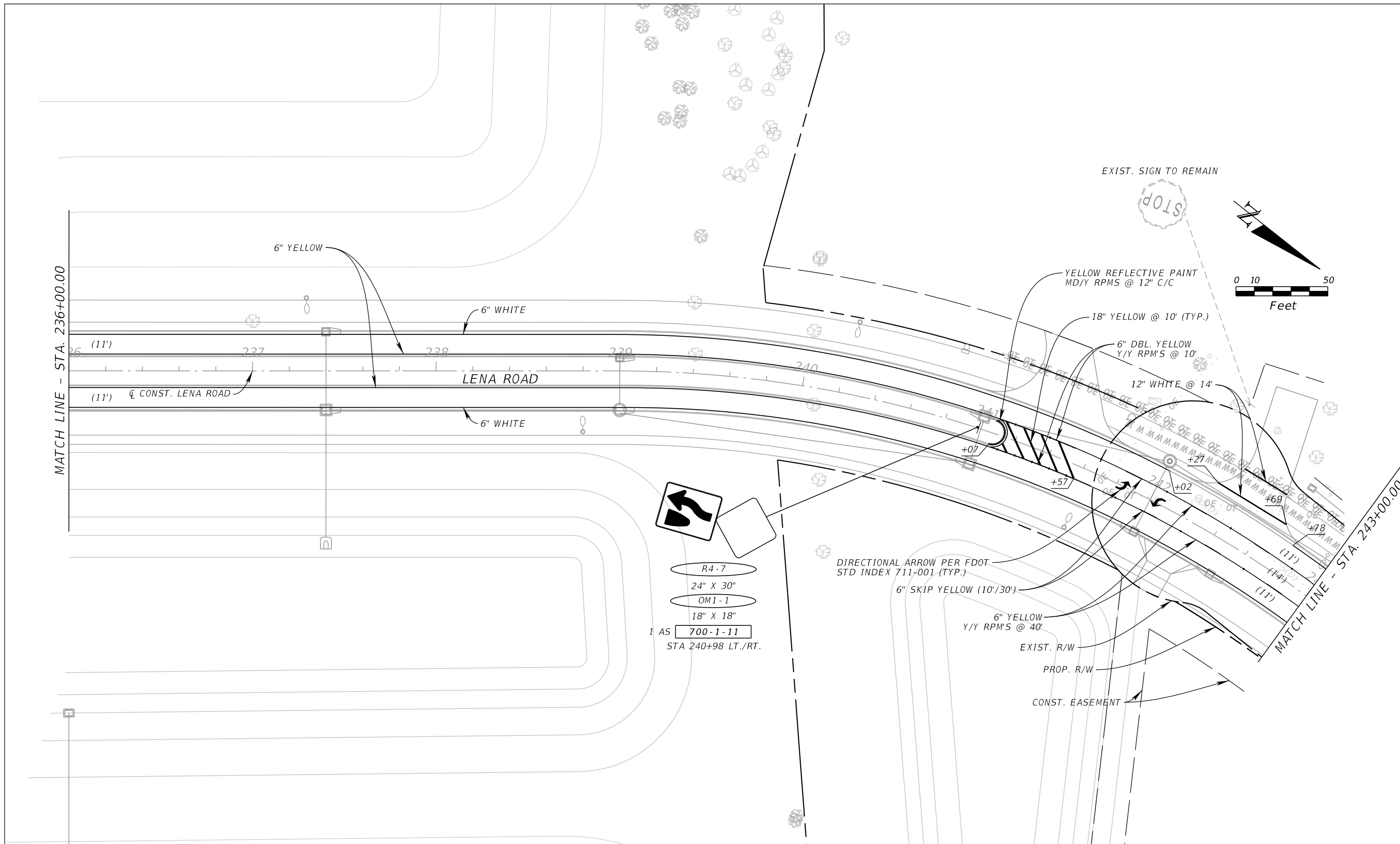
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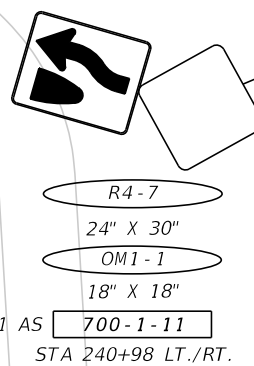
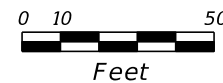
SIGNING AND PAVEMENT MARKING PLAN SHEET (03)

SHEET NUMBER
S-8

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MATCH LINE - STA. 236+00.00



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LENA ROAD

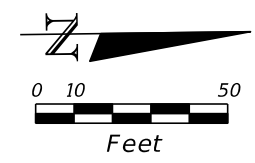
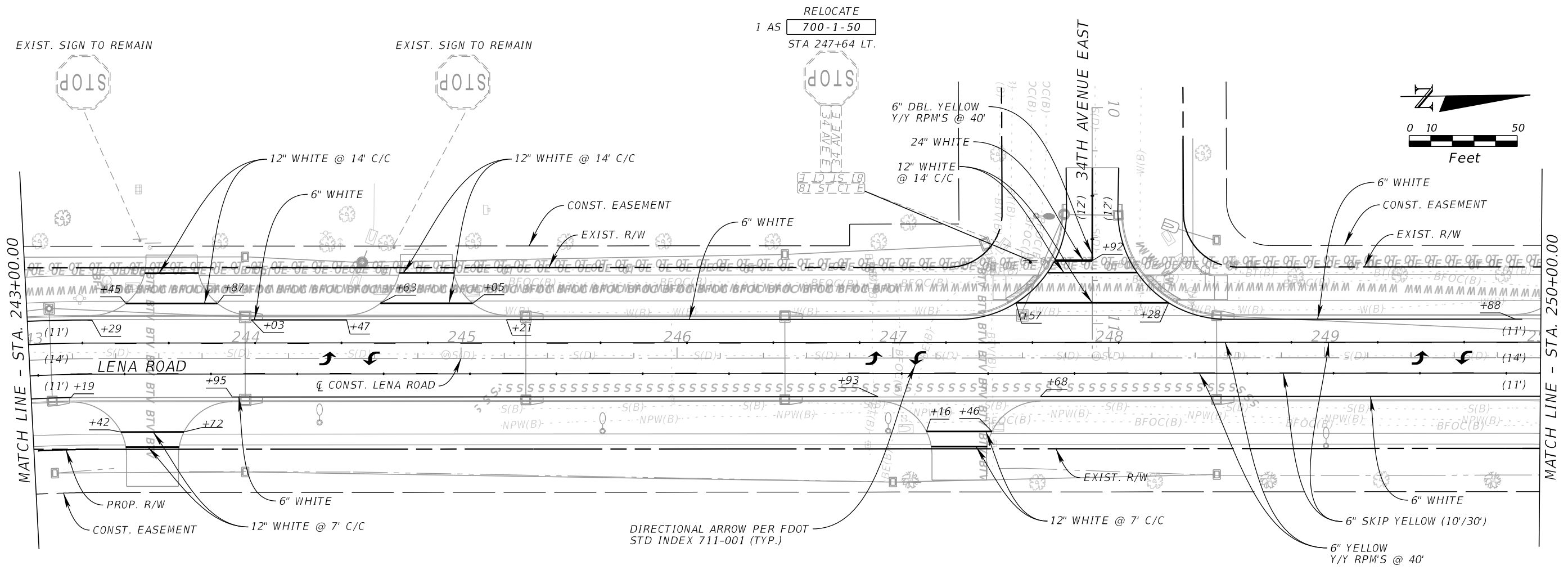
LICENSED PROFESSIONAL

NICOLE R. HECK, P.E.
 FL LICENSE NUMBER 84306

FL DATE:

SIGNING AND PAVEMENT MARKING PLAN SHEET (04)

SHEET NUMBER
S-9



RELOCATE
1 AS 700-1-50
STA 247+64 LT.

EXIST. SIGN TO REMAIN

EXIST. SIGN TO REMAIN

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KHA PROJECT 148400100
DATE JULY 2023
SCALE AS SHOWN
DESIGNED BY
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CHECKED BY
MANATEE COUNTY

Manatee County
FLORIDA

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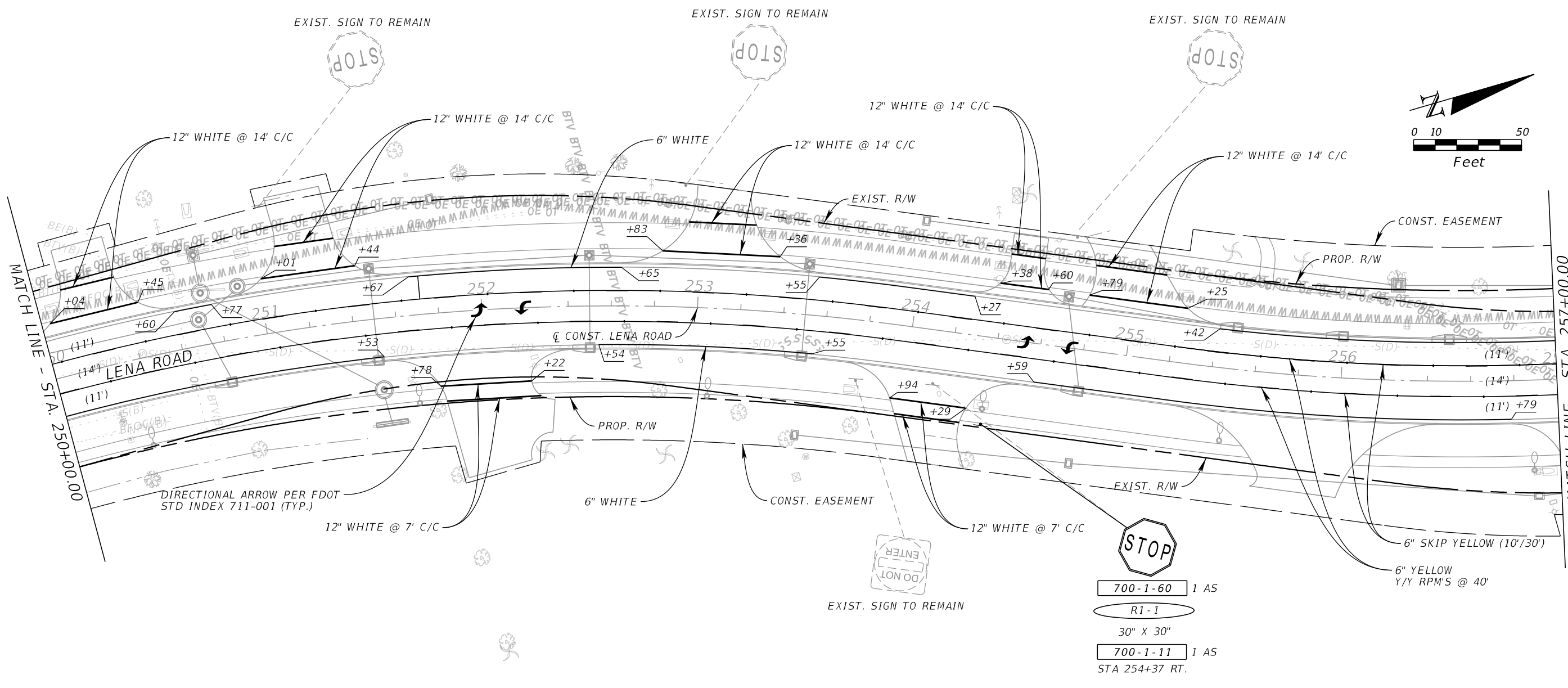
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FL LICENSE NUMBER 84306

FL DATE:

SIGNING AND PAVEMENT MARKING PLAN SHEET (05)

SHEET NUMBER
S-10

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- 700-1-60 1 AS
- R1-1
- 30" X 30"
- 700-1-11 1 AS
- STA 254+37 RT.

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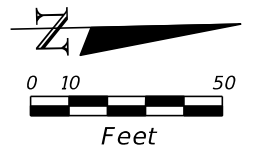
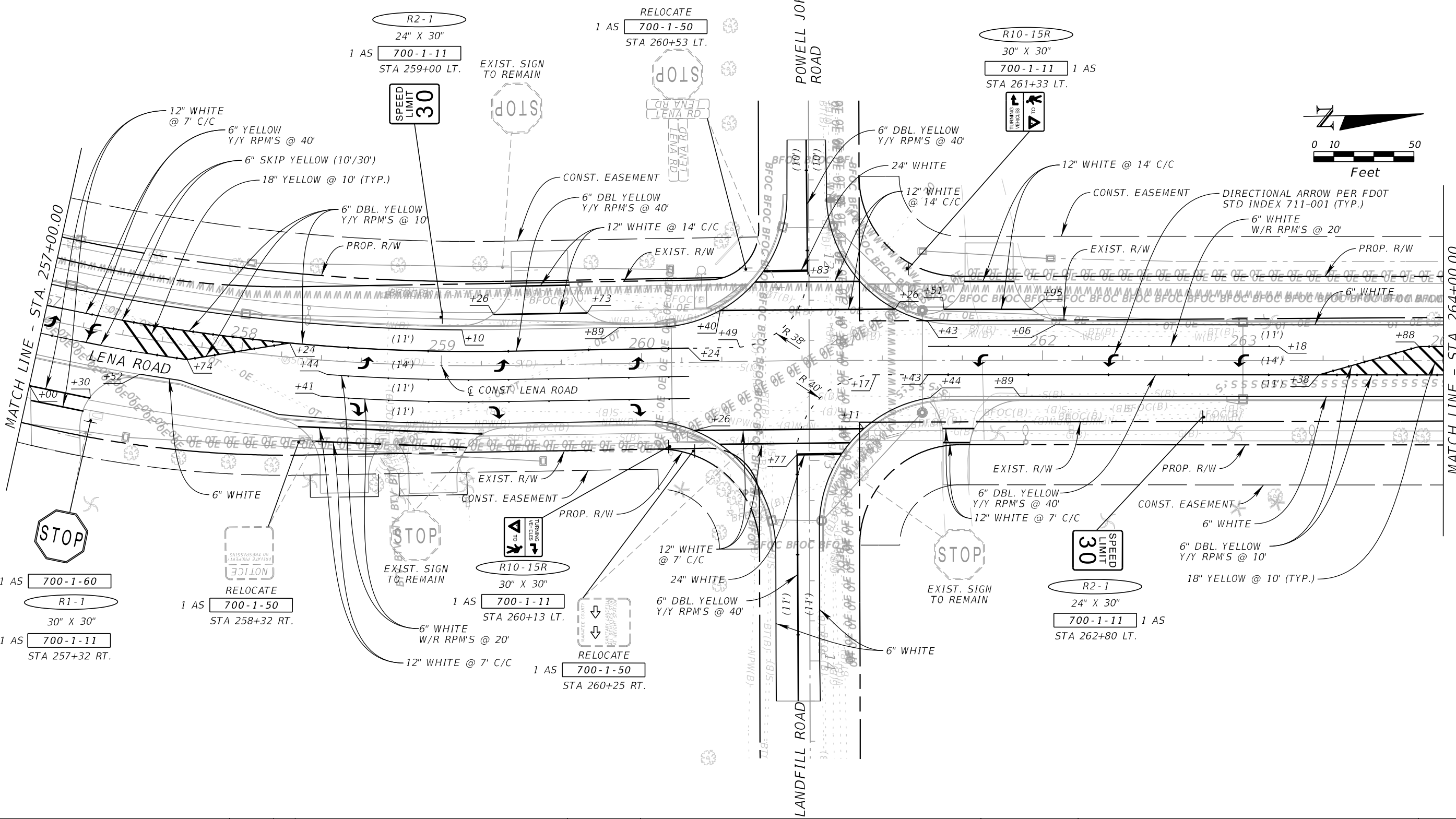

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SIGNING AND PAVEMENT MARKING PLAN SHEET (06)

SHEET NUMBER
S-11



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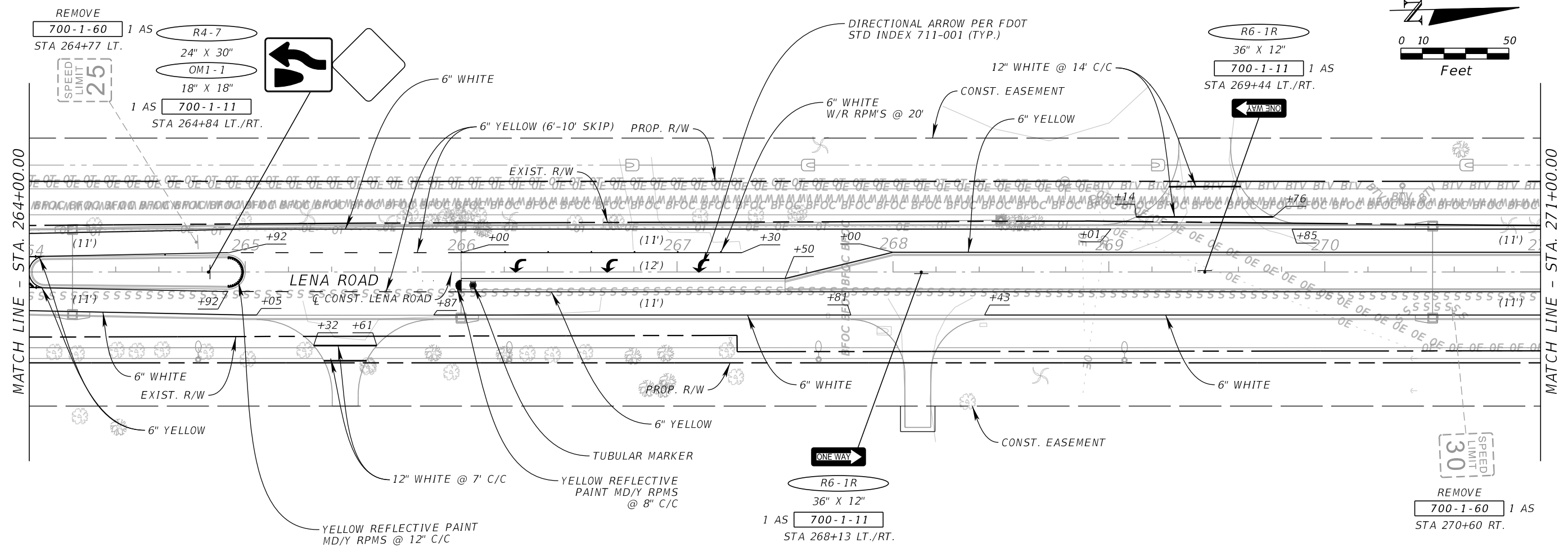
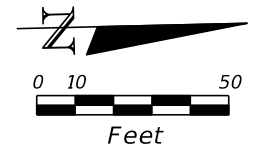
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FL DATE:

**SIGNING AND PAVEMENT
MARKING PLAN SHEET (07)**

SHEET NUMBER

S-12



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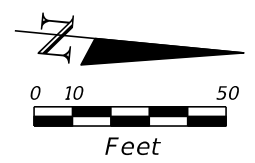
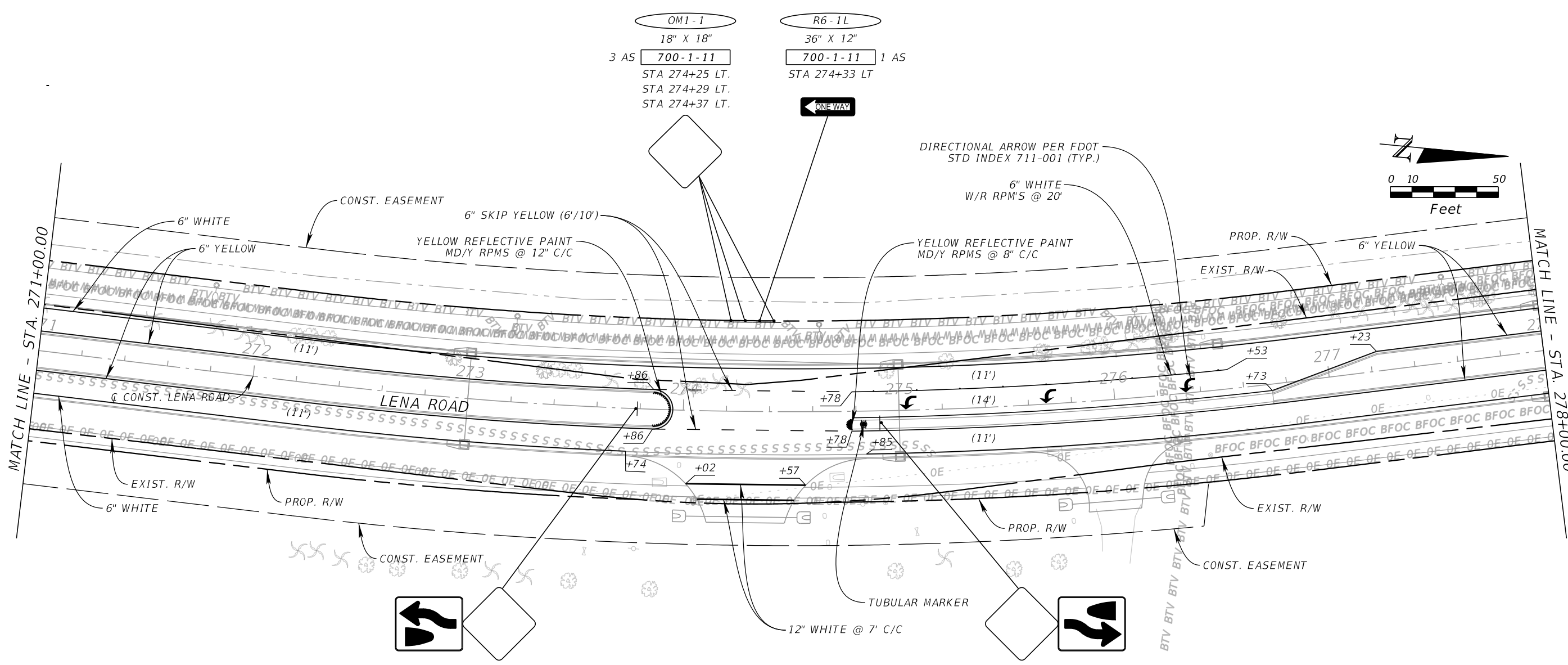
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SIGNING AND PAVEMENT MARKING PLAN SHEET (08)

SHEET NUMBER
S-13



OM1-1
 18" X 18"
 3 AS 700-1-11
 STA 274+25 LT.
 STA 274+29 LT.
 STA 274+37 LT.

R6-1L
 36" X 12"
 700-1-11 1 AS
 STA 274+33 LT.

R4-7
 24" X 30"
 OM1-1
 18" X 18"
 1 AS 700-1-11
 STA 273+78 LT./RT.

R4-7
 24" X 30"
 OM1-1
 18" X 18"
 700-1-11 1 AS
 STA 274+92 RT.

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DESIGNED BY
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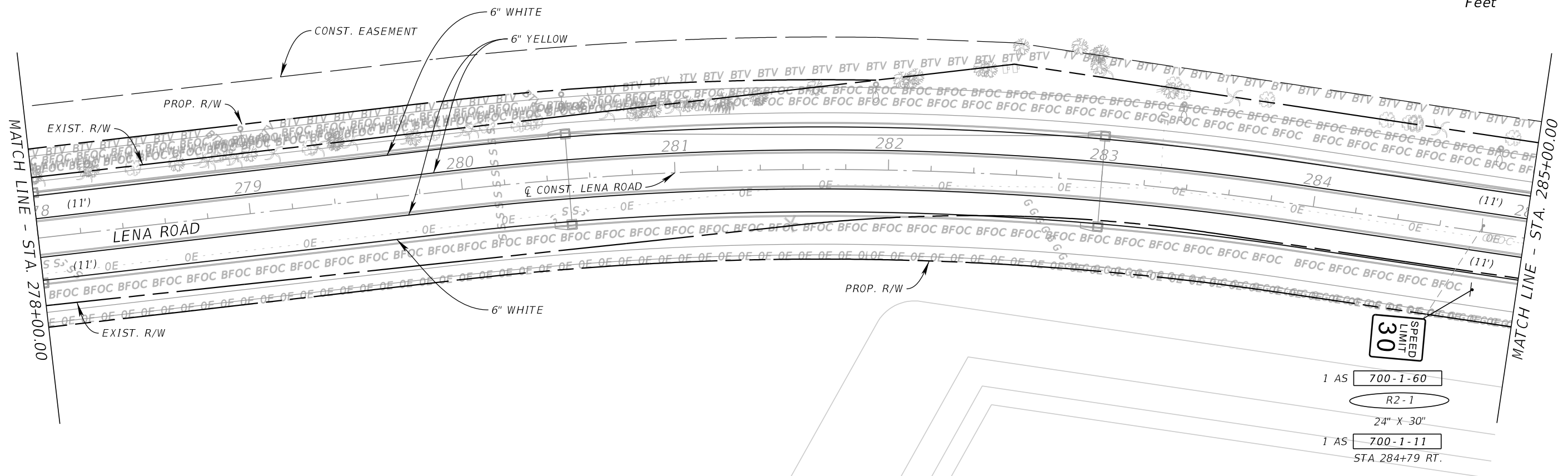
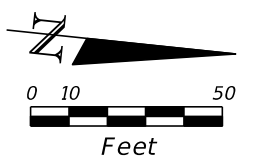
NICOLE R.
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FL DATE:

SIGNING AND PAVEMENT MARKING PLAN SHEET (09)

SHEET NUMBER

S-14



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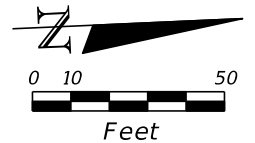
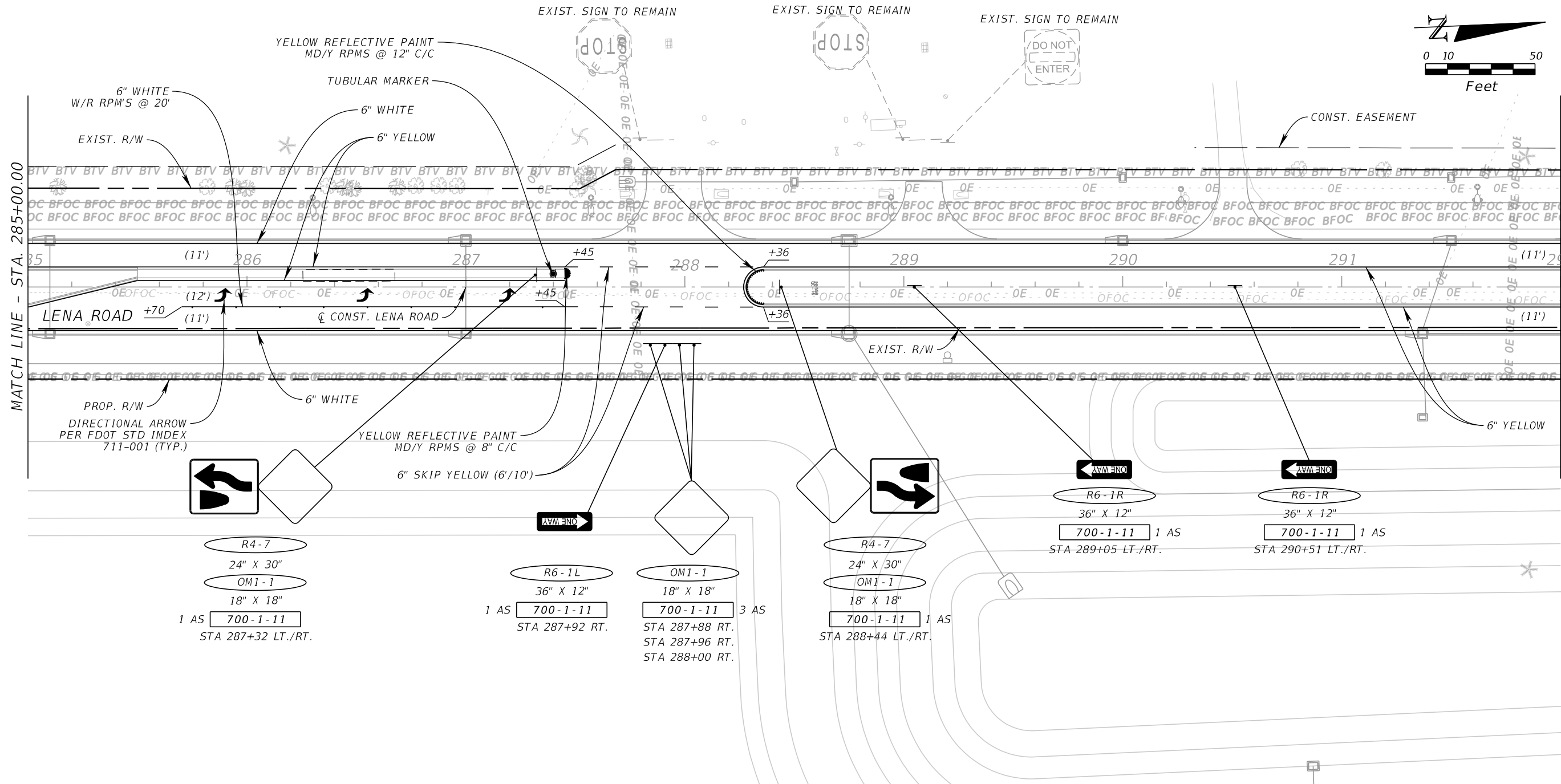
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SIGNING AND PAVEMENT MARKING PLAN SHEET (10)

SHEET NUMBER
S-15

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FL LICENSE NUMBER 84306

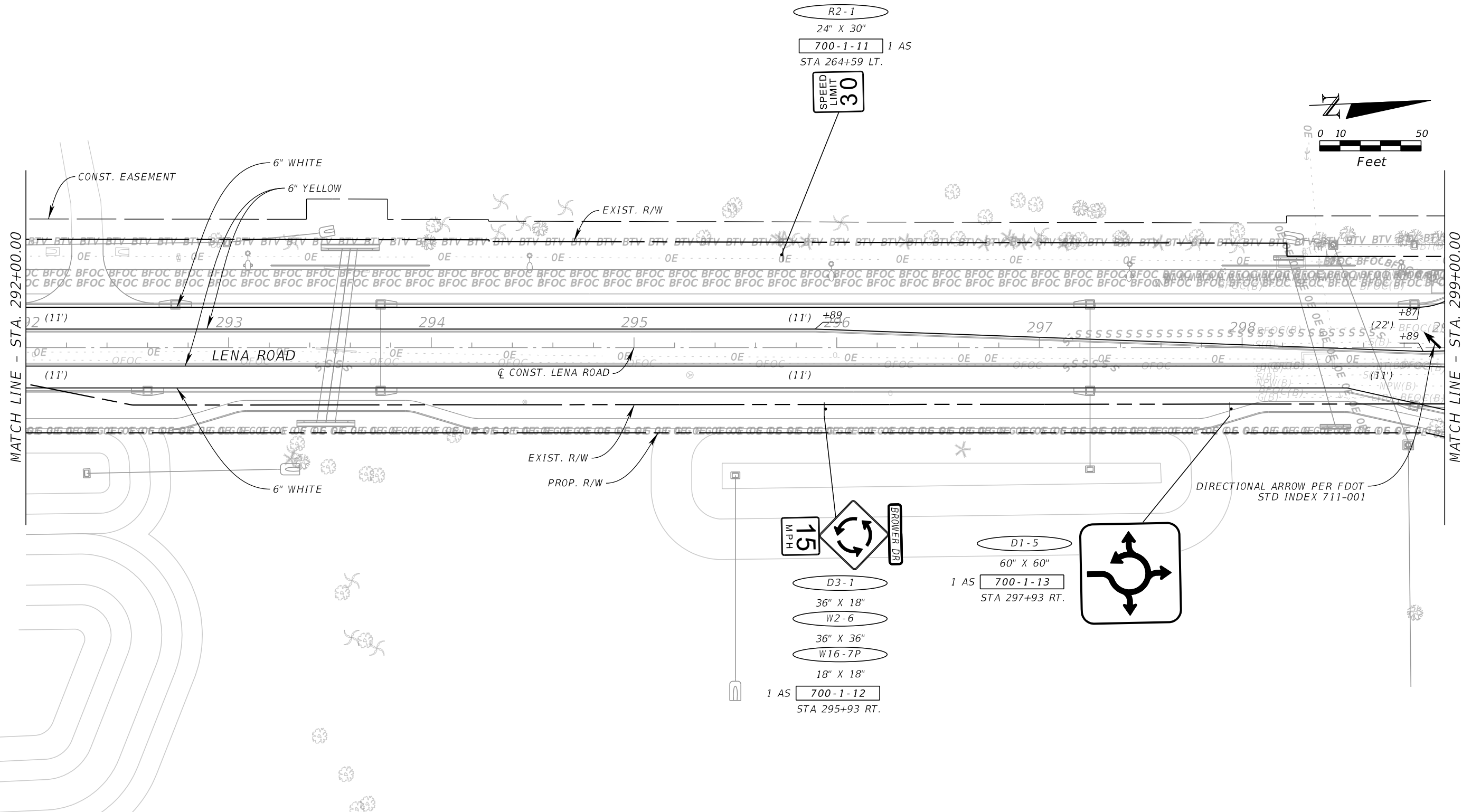
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SIGNING AND PAVEMENT MARKING PLAN SHEET (11)

SHEET NUMBER

S-16

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 FL LICENSE NUMBER
 84306

SIGNING AND PAVEMENT MARKING PLAN SHEET (12)

SHEET NUMBER
 S-17

RELOCATE
1 AS 700-1-50
STA 299+11 LT.

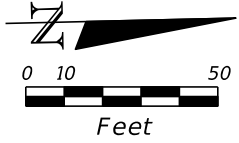
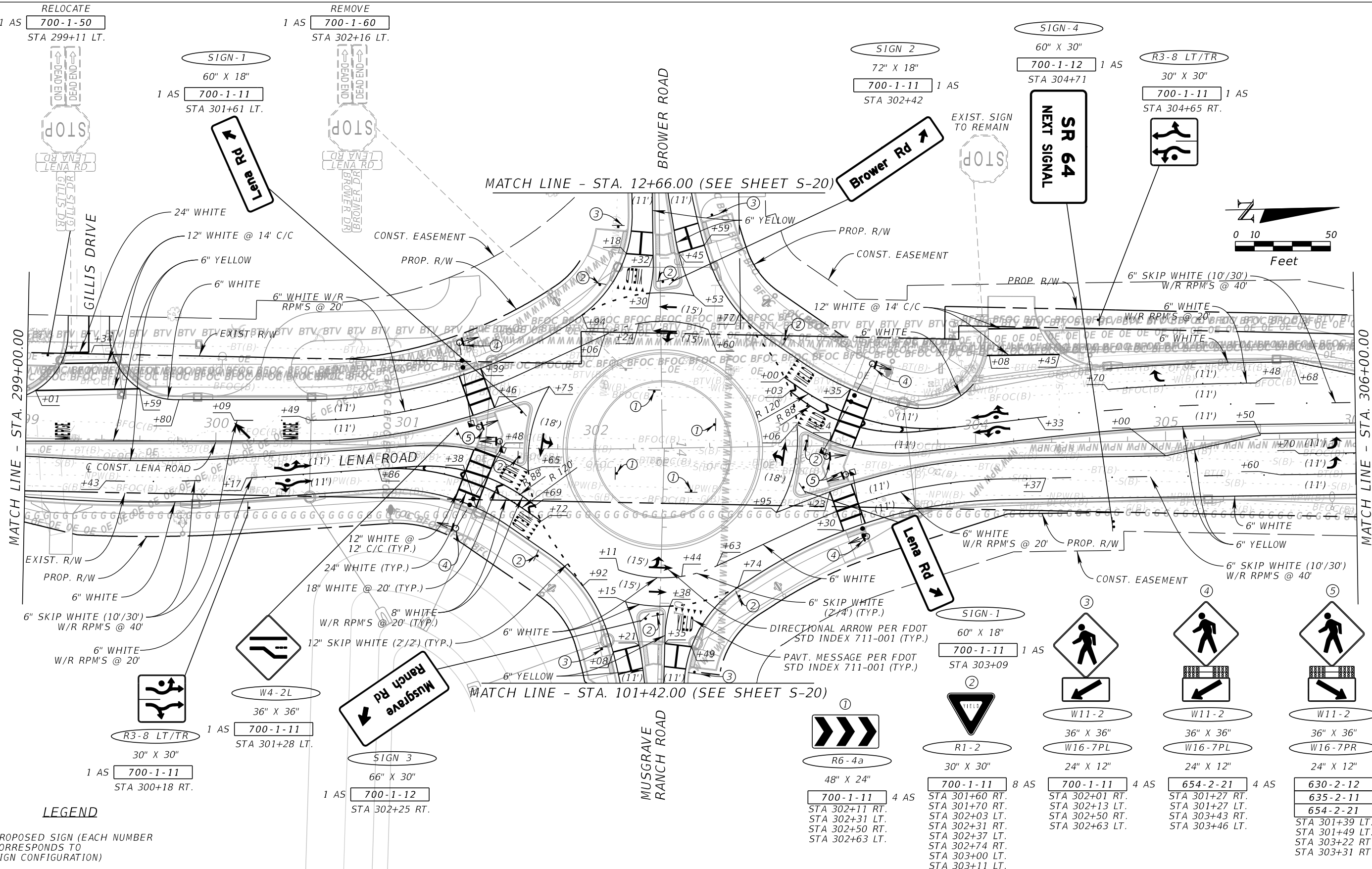
REMOVE
1 AS 700-1-60
STA 302+16 LT.

SIGN-1
60" X 18"
1 AS 700-1-11
STA 301+61 LT.

SIGN 2
72" X 18"
1 AS 700-1-11
STA 302+42

SIGN-4
60" X 30"
1 AS 700-1-12
STA 304+71

R3-8 LT/TR
30" X 30"
1 AS 700-1-11
STA 304+65 RT.



LEGEND

(X) PROPOSED SIGN (EACH NUMBER CORRESPONDS TO SIGN CONFIGURATION)

R3-8 LT/TR
30" X 30"
1 AS 700-1-11
STA 300+18 RT.

W4-2L
36" X 36"
1 AS 700-1-11
STA 301+28 LT.

SIGN 3
66" X 30"
1 AS 700-1-12
STA 302+25 RT.

R6-4a
48" X 24"
4 AS 700-1-11
STA 302+11 RT.
STA 302+31 LT.
STA 302+50 RT.
STA 302+63 LT.

SIGN-1
60" X 18"
1 AS 700-1-11
STA 303+09

R1-2
30" X 30"

700-1-11 8 AS
STA 301+60 RT.
STA 301+70 RT.
STA 302+03 LT.
STA 302+31 RT.
STA 302+37 LT.
STA 302+74 RT.
STA 303+00 LT.
STA 303+11 LT.

W11-2
36" X 36"

W16-7PL
24" X 12"

700-1-11 4 AS
STA 302+01 RT.
STA 302+13 LT.
STA 302+50 RT.
STA 302+63 LT.

W11-2
36" X 36"

W16-7PL
24" X 12"

654-2-21 4 AS
STA 301+27 RT.
STA 301+27 LT.
STA 303+43 RT.
STA 303+46 LT.

W11-2
36" X 36"

W16-7PR
24" X 12"

630-2-12 200 LF
635-2-11 4 EA
654-2-21 4 AS
STA 301+39 LT.
STA 301+49 LT.
STA 303+22 RT.
STA 303+31 RT.

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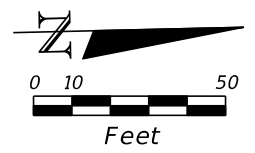
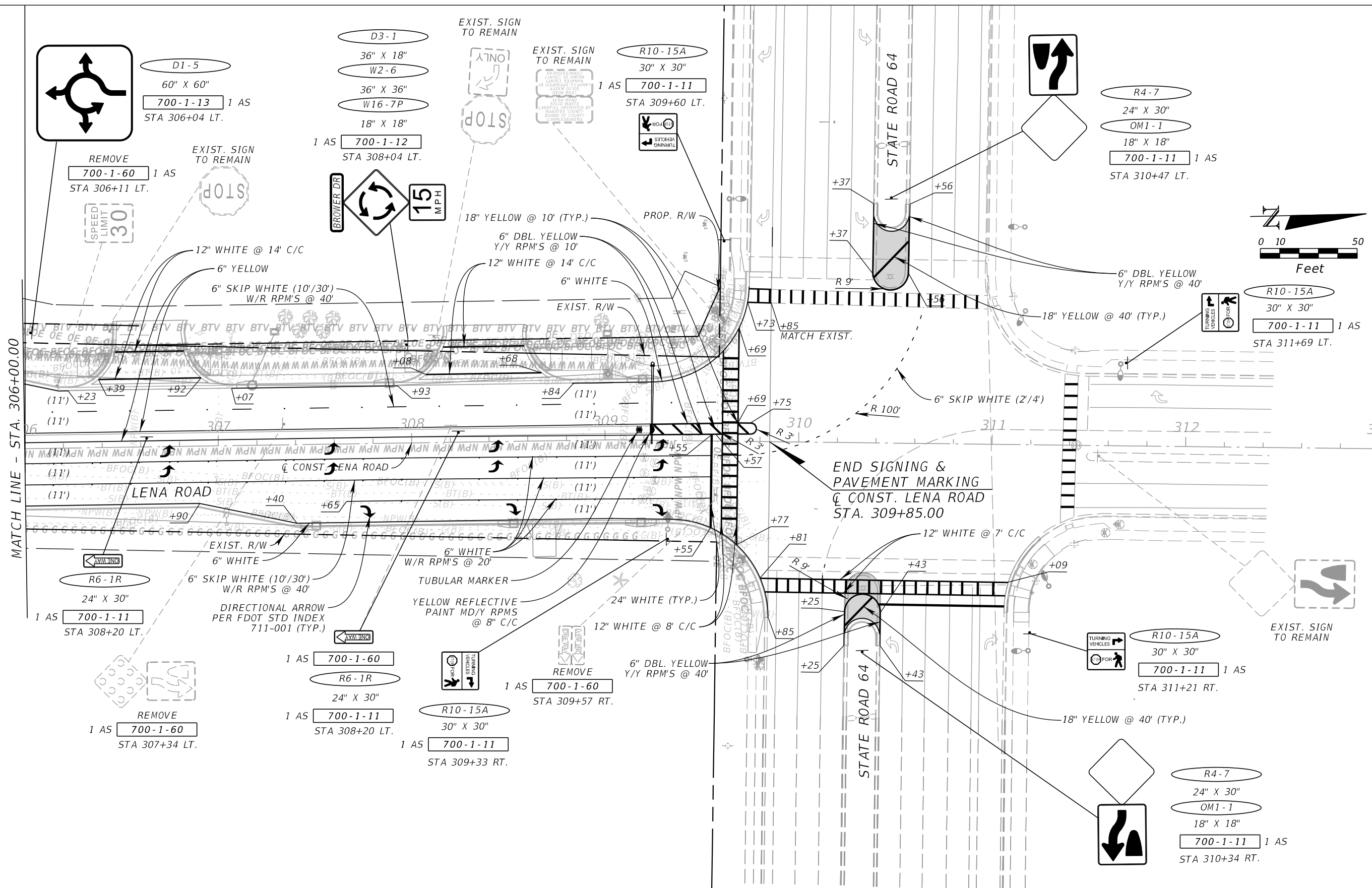
LENA ROAD

LICENSED PROFESSIONAL
NICOLE R. HECK, P.E.
FL LICENSE NUMBER 84306
FL DATE:

SIGNING AND PAVEMENT MARKING PLAN SHEET (13)

SHEET NUMBER
S-18

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MATCH LINE - STA. 306+00.00

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FLORIDA
LENA ROAD

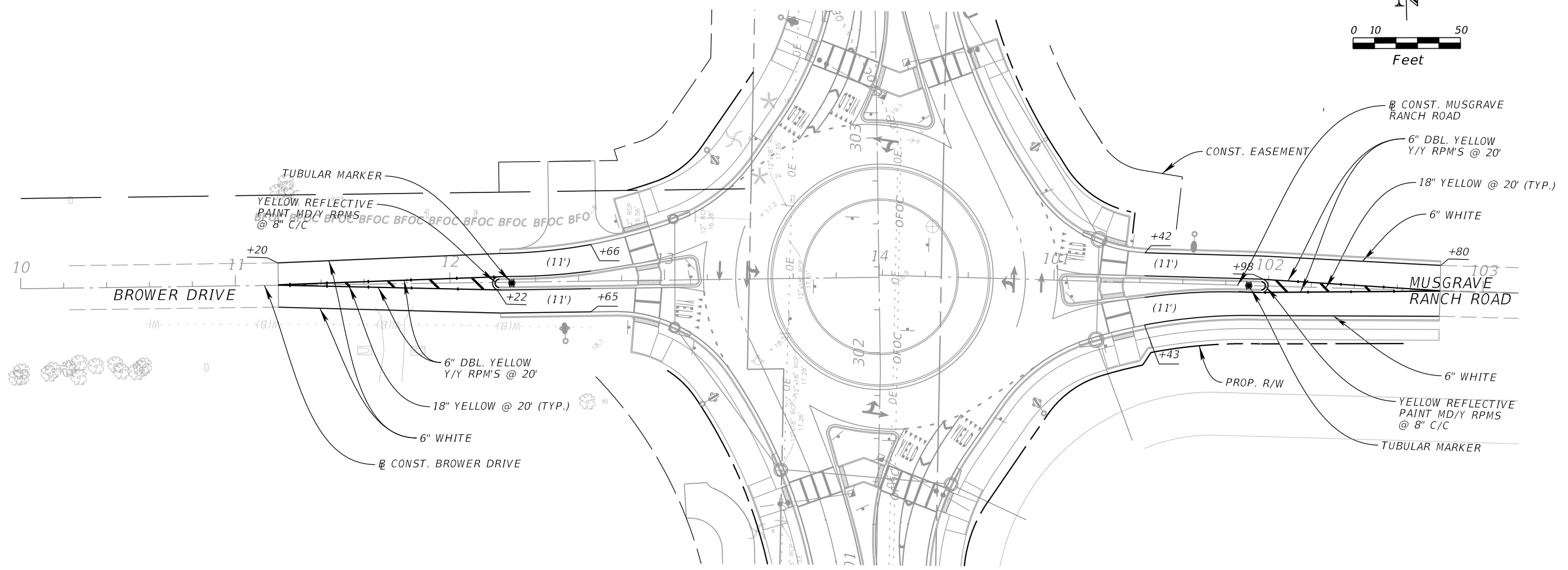
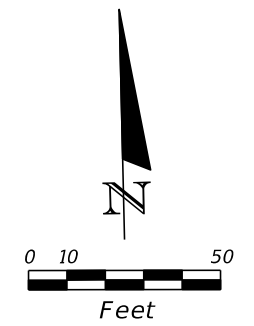
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FL LICENSE NUMBER 84306
FL DATE:

SIGNING AND PAVEMENT MARKING PLAN SHEET (14)

SHEET NUMBER

S-19



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FL DATE:

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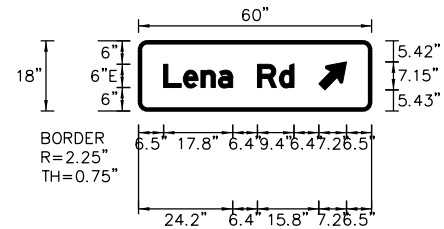
NICOLE R.
HECK, P.E.
FL LICENSE NUMBER
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**SIGNING AND PAVEMENT
MARKING PLAN SHEET (15)**

SHEET NUMBER
S-20

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SIGN NAME	SIGN 1	QTY	2	SIGN NUMBER	STATION(S)
PANEL	BORDER				301+61
WIDTH	5'-0"	WIDTH	0.75"		303+09
HEIGHT	1'-6"	RADII	2.25"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR_Type D	315	46.4	5.4	6	9
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Land	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	L	e	n	a	R	d	L
SPACE	6.5	11.6	16.1	20.6	30.6	36.3	33.5

COPY	SPACE

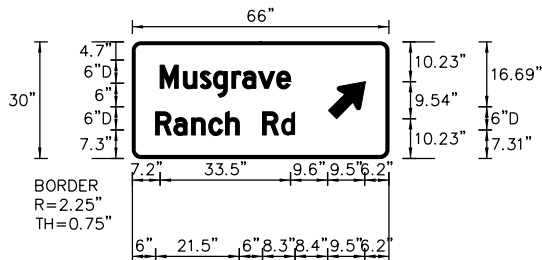
COPY	SPACE

COPY	SPACE

COPY	SPACE

COPY	SPACE

SIGN NAME	SIGN 3	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				302+25
WIDTH	5'-6"	WIDTH	0.75"		
HEIGHT	2'-6"	RADII	2.25"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR_Type D	315	50.3	10.2	8	12
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Land	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	M	u	s	g	r	a	v	e	L
SPACE	7.2	13.1	17.5	20.9	25.7	28.4	32.4	37.2	33.5

COPY	R	a	n	c	h	R	d	L
SPACE	6	10.7	15.2	19.7	24	33.5	38.3	35.9

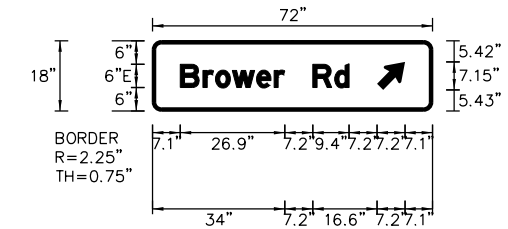
COPY	SPACE

COPY	SPACE

COPY	SPACE

COPY	SPACE

SIGN NAME	SIGN 2	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				302+42
WIDTH	6'-0"	WIDTH	0.75"		
HEIGHT	1'-6"	RADII	2.25"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR_Type D	315	57.8	5.4	6	9
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Land	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	B	r	o	w	e	r	R	d	L
SPACE	7.1	12.9	16.2	20.5	26.7	31.2	41.2	46.8	43.4

COPY	SPACE

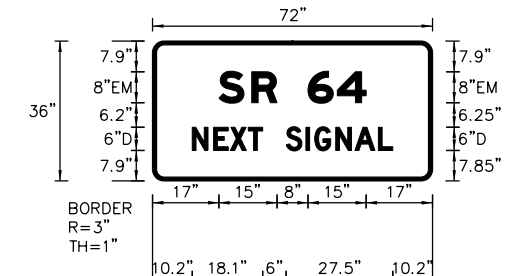
COPY	SPACE

COPY	SPACE

COPY	SPACE

COPY	SPACE

SIGN NAME	SIGN 4	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				304+71
WIDTH	6'-0"	WIDTH	1"		
HEIGHT	3'-0"	RADII	3"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Land	COLUMN SIZE	AVERAGE LENGTH	
SIGN-4	2	10.3'	W3	5.7	11.920'



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	S	R	6	4	L
SPACE	17	25.5	40	47.5	37.9

COPY	N	E	X	T	S	I	G	N	A	L	L
SPACE	10.2	15.7	20	24.6	34.3	39.4	41.7	47.1	52.1	58.1	51.6

COPY	SPACE

COPY	SPACE

COPY	SPACE

COPY	SPACE

No.	REVISIONS	DATE	BY

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DATE
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CHECKED BY
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Manatee County
FLORIDA

LENA ROAD

LICENSED PROFESSIONAL
NICOLE R. HECK, P.E.
FL LICENSE NUMBER
84306

GUIDESIGN WORKSHEET

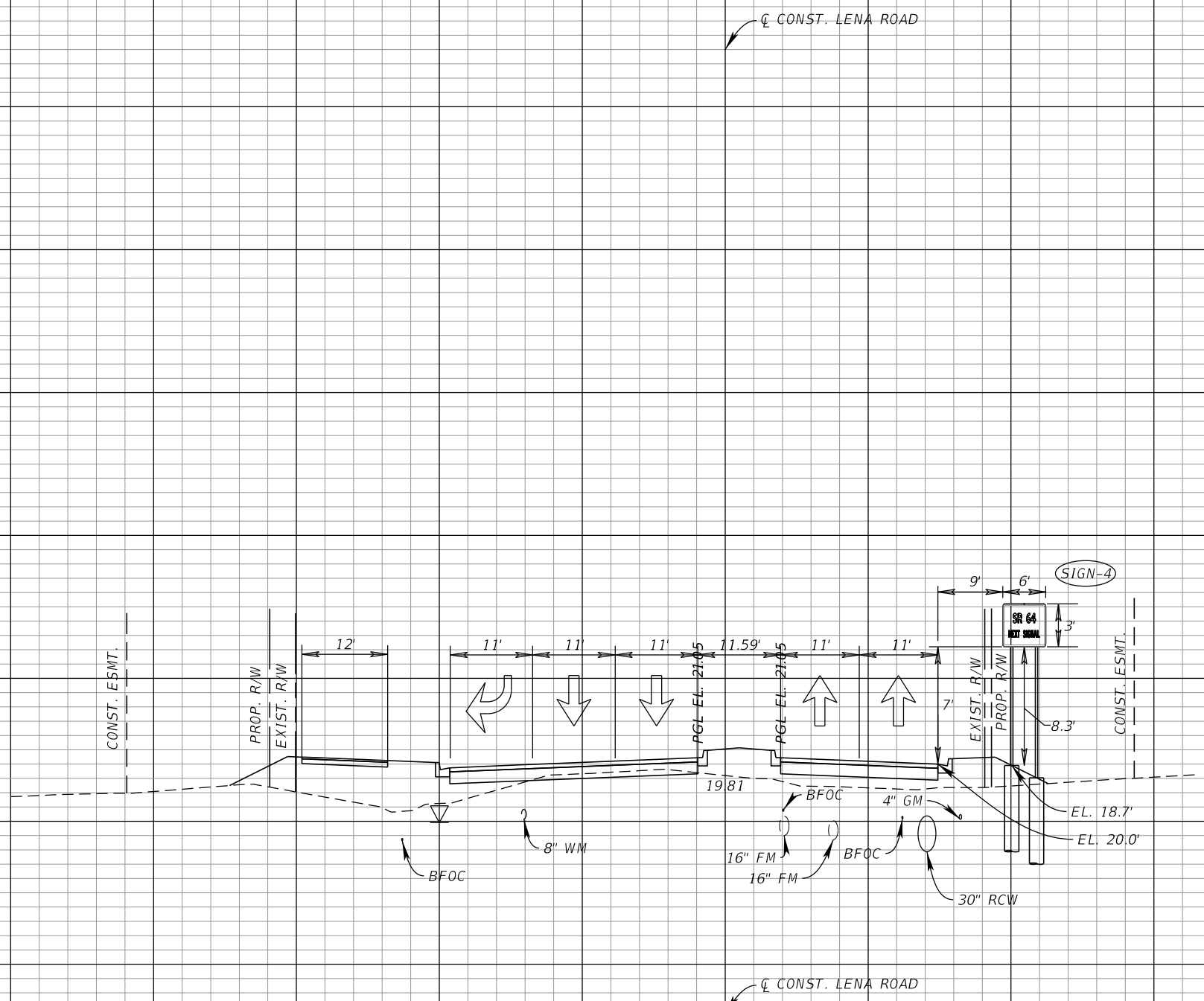
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S-21

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06

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



1" = 10' VERTICAL
1" = 20' HORIZONTAL
304+71.00, 47.20' RT
CL CONST. LENA ROAD

No.	REVISIONS	DATE	BY

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KIMLEY-HORN AND ASSOCIATES, INC.
201 NORTH FRANKLIN STREET, SUITE 1400, TAMPA, FL 33602
PHONE: (813) 620-1460
WWW.KIMLEY-HORN.COM

KHA PROJECT 6107560
DATE JULY 2023
SCALE AS SHOWN
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DRAWN BY
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NICOLE R. HECK, P.E.
FL LICENSE NUMBER
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SIGNING CROSS SECTION

SHEET NUMBER S-22

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