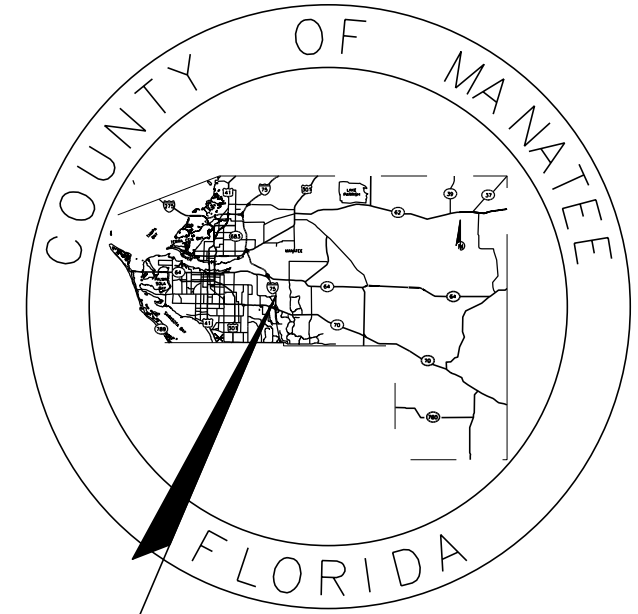


*MANATEE COUNTY
PUBLIC WORKS DEPARTMENT
CONTRACT PLANS*

**MANATEE COUNTY
PROJECT NUMBER 6045662
44TH AVENUE EAST
PHASE 2**

WEST OF I-75 TO LAKEWOOD RANCH BOULEVARD

SIGNING AND PAVEMENT MARKING PLANS



LOCATION OF PROJECT

**90% SUBMITTAL
02/2022**

**SIGNING AND PAVEMENT
MARKING PLANS
ENGINEER OF RECORD:**

*MICHAEL J. OATES, P.E.
P.E. NO.: 49282
HDR ENGINEERING, INC.
2601 CATTLEMEN ROAD, SUITE 400
SARASOTA, FLORIDA 34232
VENDOR NO. 47-0680568
CONTRACT NO. C9480*

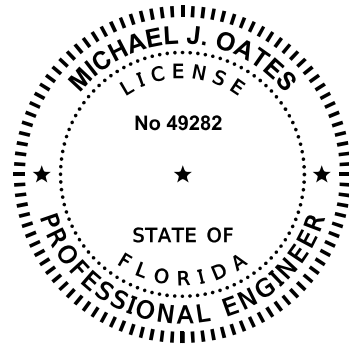
**MANATEE CO. PROJECT MANAGER:
ERIC S. SHROYER, P.E.**

INDEX OF SIGNING AND PAVEMENT MARKING PLANS

<i>SHEET NO.</i>	<i>SHEET DESCRIPTION</i>
S-1	KEY SHEET
S-2	SIGNATURE SHEET
S-3 THRU S-5	TABULATION OF QUANTITIES
S-6	GENERAL NOTES
S-7 THRU S-25	SIGNING AND PAVEMENT MARKING PLAN
S-26 THRU S-27	GUIDE SIGN WORKSHEET
S-28	SIGN CROSS SECTION

FISCAL YEAR	SHEET NO.
22	S-1

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

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

HDR ENGINEERING, INC.
2601 CATTLEMEN ROAD, SUITE 400
SARASOTA, FLORIDA 34232
MICHAEL J. OATES, P.E. NO. 49282

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

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	SIGNATURE SHEET
S-3 THRU S-5	TABULATION OF QUANTITIES
S-6	GENERAL NOTES
S-7 THRU S-25	SIGNING AND PAVEMENT MARKING PLAN
S-26 THRU S-27	GUIDE SIGN WORKSHEET
S-28	SIGN CROSS SECTION

		SCALE	AS NOTED	HDR ENGINEERING, INC.		DATE	02/2022	DESIGN ENGINEER	MICHAEL J. OATES	SHEET NO.
		DESIGNED BY	MO	2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO.	6045662	FL. LICENSE NO.	49282	SIGNATURE SHEET
		DRAWN BY	VD	SARASOTA, FLORIDA 34232						
No.	REVISIONS	DATE	BY	LR						



MANATEE COUNTY
PUBLIC WORKS

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			S-7		S-8		S-9		S-10		S-11		S-12		S-13		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, UP TO 12 SF	AS	2									3		30		35				
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 13-20 SF	AS										1				1				
700-1-13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS										1				1				
700-1-50	SINGLE POST SIGN, RELOCATE	AS																		
700-1-60	SINGLE POST SIGN, REMOVE	AS	1	5		2										8				
700-2-14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS																		
704-1-2	TUBULAR MARKER, DURABLE, 36" YELLOW POST	EA																		
705-10-1	OBJECT MARKER, TYPE 1	EA																		
706-1-3	RAISED PAVEMENT MARKER (WHITE/RED) (MONO/YELLOW)	EA		5		25		35		35		39		125		264				
710-11-190	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ISLAND NOSE	SF												13		13				
710-11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF																		
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM		0.086		0.377		0.530		0.530		0.528		0.545		2.596				
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM												0.282		0.282				
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF												444		444				
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF												277		277				
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE, 24"	LF																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM		0.046		0.190		0.265		0.267		0.236		0.039		1.042				
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM										0.024		0.073		0.097				
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-2 DOTTED EXTENSION LINE, 12" FOR ROUNDABOUT	GM												0.054		0.054				
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, YEILD LINE	LF												224		224				
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA												8		8				
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA												14		14				
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM		0.044		0.190		0.265		0.265		0.265		0.350		1.379				
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, BLACK, SKIP, 6"	GM								0.167						0.167				
711-11-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM												0.282		0.282				
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF												444		444				
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF												277		277				
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE	LF																		
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM										0.024		0.073		0.097				
711-11-144	THERMOPLASTIC, STANDARD, WHITE, 2-2 DOTTED EXTENSION LINE, 12" FOR ROUNDABOUT	GM												0.054		0.054				
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YEILD LINE	LF												224		224				
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA												8		8				
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA												14		14				
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF																		
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM																		
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF												308		308				
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, BIKE MESSAGE	EA		1		2		2		2		1		1		9				
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, BIKE ARROW	EA		1		2		2		2		1		1		9				
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM		0.086		0.377		0.530		0.197		0.528		0.545		2.263				
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM		0.046		0.190		0.265		0.100		0.236		0.039		0.875				
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM		0.044		0.190		0.265		0.098		0.265		0.350		1.212				
713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM								0.333						0.333				
713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM								0.167						0.167				
713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM								0.167						0.167				
713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM								0.167						0.167				

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


SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	02/2022	DESIGN ENGINEER	MICHAEL J. OATES	<p align="center">TABULATION OF QUANTITIES (1)</p>	SHEET NO.	S-3
DESIGNED BY	MO	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6045662	FL. LICENSE NO.	49282			
DRAWN BY	VD	SARASOTA, FLORIDA 34232							
CHECKED BY	LR								

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

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL			
			S-14		S-15		S-16		S-17		S-18		S-19		S-20		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS		2		2		2				1		1			8			
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 13-20 SF	AS		1													1			
700-1-13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS		1													1			
700-1-50	SINGLE POST SIGN, RELOCATE	AS																		
700-1-60	SINGLE POST SIGN, REMOVE	AS																		
700-2-14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS																		
704-1-2	TUBULAR MARKER, DURABLE, 36" YELLOW POST	EA		2													2			
705-10-1	OBJECT MARKER, TYPE 1	EA				2		2				1		1			6			
706-1-3	RAISED PAVEMENT MARKER (WHITE/RED)	EA		35		35		35		34		35		35		36	245			
	(MONO/YELLOW)			25		62		62				31		31			211			
710-11-190	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ISLAND NOSE	SF																		
710-11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF		10		31		31				16		16			103			
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.530		0.530		0.530		0.530		0.530		0.530		0.530		3.712			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE, 24"	LF																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	0.267		0.267		0.261		0.271		0.266		0.265		0.262		1.859			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-2 DOTTED EXTENSION LINE, 12" FOR ROUNDABOUT	GM																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, YEILD LINE	LF																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA		2													2			
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA		2													2			
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.301		0.230		0.236		0.265		0.235		0.246		0.265		1.778			
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	0.018		0.048		0.024				0.030		0.018				0.138			
*	PAINTED PAVEMENT MARKINGS, STANDARD, BLACK, SKIP, 6"	GM																		
711-11-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM																		
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF																		
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF																		
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE	LF																		
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM																		
711-11-144	THERMOPLASTIC, STANDARD, WHITE, 2-2 DOTTED EXTENSION LINE, 12" FOR ROUNDABOUT	GM																		
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YEILD LINE	LF																		
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA																		
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA																		
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF																		
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.018		0.048		0.024				0.030		0.018				0.138			
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF																		
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, BIKE MESSAGE	EA	2		2				2		2		2		2		12			
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, BIKE ARROW	EA	2		2				2		2		2		2		12			
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.530		0.530		0.530		0.530		0.530		0.530		0.530		3.712			
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	0.267		0.267		0.261		0.271		0.266		0.265		0.262		1.859			
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.301		0.230		0.236		0.265		0.235		0.246		0.265		1.778			
713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM																		
713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM																		
713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM																		
713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM																		

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


SCALE AS NOTED				HDR ENGINEERING, INC.		DATE 02/2022		DESIGN ENGINEER MICHAEL J. OATES		 MANATEE COUNTY PUBLIC WORKS		TABULATION OF QUANTITIES (2)		SHEET NO.
DESIGNED BY MO				2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO. 6045662		FL. LICENSE NO. 49282						S-4
DRAWN BY VD				SARASOTA, FLORIDA 34232										
CHECKED BY LR														
No. REVISIONS DATE BY														

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

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			S-21		S-22		S-23		S-24		S-25						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, UP TO 12 SF	AS	6					1		1							8		51	
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 13-20 SF	AS						1									1		3	
700-1-13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS						1									1		3	
700-1-50	SINGLE POST SIGN, RELOCATE	AS	2							1							3		3	
700-1-60	SINGLE POST SIGN, REMOVE	AS																	8	
700-2-14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS	1														1		1	
704-1-2	TUBULAR MARKER, DURABLE, 36" YELLOW POST	EA																	2	
705-10-1	OBJECT MARKER, TYPE 1	EA								1							1		7	
706-1-3	RAISED PAVEMENT MARKER (WHITE/RED)	EA	72	54	84	7											217		726	
	(MONO/YELLOW)		102							21							123		334	
710-11-190	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ISLAND NOSE	SF																	13	
710-11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	51							11							62		165	
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS																		
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.584	0.579	0.611	0.291	0.215										2.280		8.588	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM																	0.282	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	313														313		757	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF																	277	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE, 24"	LF	57		56					22							135		135	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	GM	0.268	0.271	0.152												0.692		3.592	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.045	0.045	0.045												0.135		0.232	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-2 DOTTED EXTENSION LINE, 12" FOR ROUNDABOUT	GM																	0.054	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, YEILD LINE	LF																	224	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA																	10	
*	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	12														12		28	
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.235	0.266	0.199	0.265	0.205										1.170		4.327	
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF		38													38		38	
*	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6"	GM	0.054														0.054		0.192	
*	PAINTED PAVEMENT MARKINGS, STANDARD, BLACK, SKIP, 6"	GM																	0.167	
711-11-102	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND	GM																	0.282	
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	313														313		757	
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF																		
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE	LF	57		56					22							135		135	
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.045	0.045	0.045												0.135		0.232	
711-11-144	THERMOPLASTIC, STANDARD, WHITE, 2-2 DOTTED EXTENSION LINE, 12" FOR ROUNDABOUT	GM																	0.054	
711-11-180	THERMOPLASTIC, STANDARD, WHITE, YEILD LINE	LF																	224	
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA																	8	
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	12	5	9	2	2										30		44	
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF		38													38		38	
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.054														0.054		0.192	
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF																	308	
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, BIKE MESSAGE	EA	4	2	2												8		29	
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, BIKE ARROW	EA	4	2	2												8		29	
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.584	0.579	0.611	0.291	0.215										2.280		8.255	
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	0.268	0.271	0.152												0.692		3.425	
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.235	0.266	0.199	0.265	0.205										1.170		4.160	
713-103-101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	GM																	0.333	
713-103-131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM																	0.167	
713-103-201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	GM																	0.167	
713-103-331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	GM																	0.167	


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

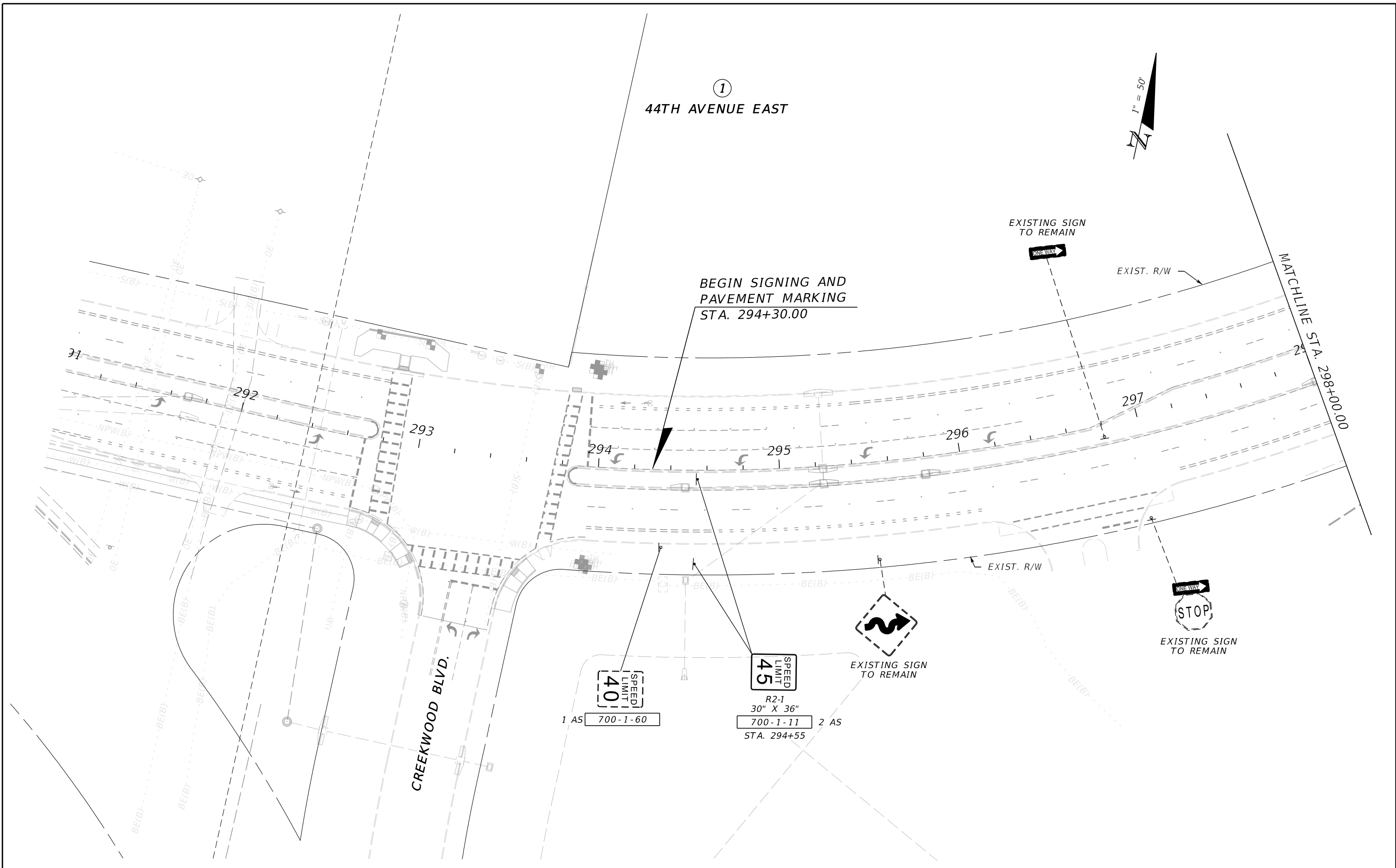
SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	02/2022	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	MICHAEL J. OATES	TABULATION OF QUANTITIES (3)	SHEET NO.	S-5
DESIGNED BY	MO	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6045662		FL. LICENSE NO.	49282			
DRAWN BY	VD	SARASOTA, FLORIDA 34232								
CHECKED BY	LR									

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

SIGNING AND PAVEMENT MARKING GENERAL NOTES:

1. ALL PAVEMENT MARKINGS WITHIN THE MANATEE COUNTY RIGHT-OF-WAY SHALL BE THERMOPLASTIC.
2. REFER TO F.D.O.T. STANDARD PLANS INDEX NO. 706-001 FOR RETRO-REFLECTIVE PAVEMENT MARKER PLACEMENT DETAILS.
3. CAUTION SHALL BE EXERCISED WHILE RELOCATING EXISTING SIGNS SO AS TO PREVENT DAMAGE TO THE SIGNS. IF THE SIGNS ARE DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, THEY SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
4. THE SIGN LOCATIONS ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER.
5. ANY EXISTING SIGN TO REMAIN THAT IS DISTURBED DURING CONSTRUCTION OR RELOCATED SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET, AND METHOD OF INSTALLATION. COST OF THIS WORK SHALL BE REFLECTED IN THE PAY ITEM NO. 102-1 IN THE SUMMARY OF ROADWAY PAY ITEMS.
6. ALL SINGLE COLUMN SIGNS WITHIN THE LIMITS OF CLEARING AND GRUBBING SHALL BE REMOVED UNLESS OTHERWISE NOTED IN THE PLANS. PAYMENT SHALL BE REFLECTED IN THE PAY ITEM NO. 110-1-1 IN THE SUMMARY OF ROADWAY PAY ITEMS.
7. AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO SIGN FOUNDATIONS AS DETERMINED BY THE CONTRACTOR, THE CONTRACTOR SHALL HAND DIG THE FIRST FOUR FEET OF THE HOLE FOR THE MULTI POST FOUNDATIONS.
8. ALL CROSSWALKS SHALL BE SIX FEET (6') OR TEN FEET (10') IN WIDTH, CENTERED ON THE CURB RAMPS AS SHOWN IN PLANS. MEASUREMENTS SHALL BE FROM INSIDE TO INSIDE OF 12" STRIPES.
9. FLEXIBLE DELINEATOR POSTS SHALL BE INSTALLED AT ALL MEDIAN NOSES AS SHOWN IN PLANS PER STANDARD PLANS INDEX NO. 711-001.

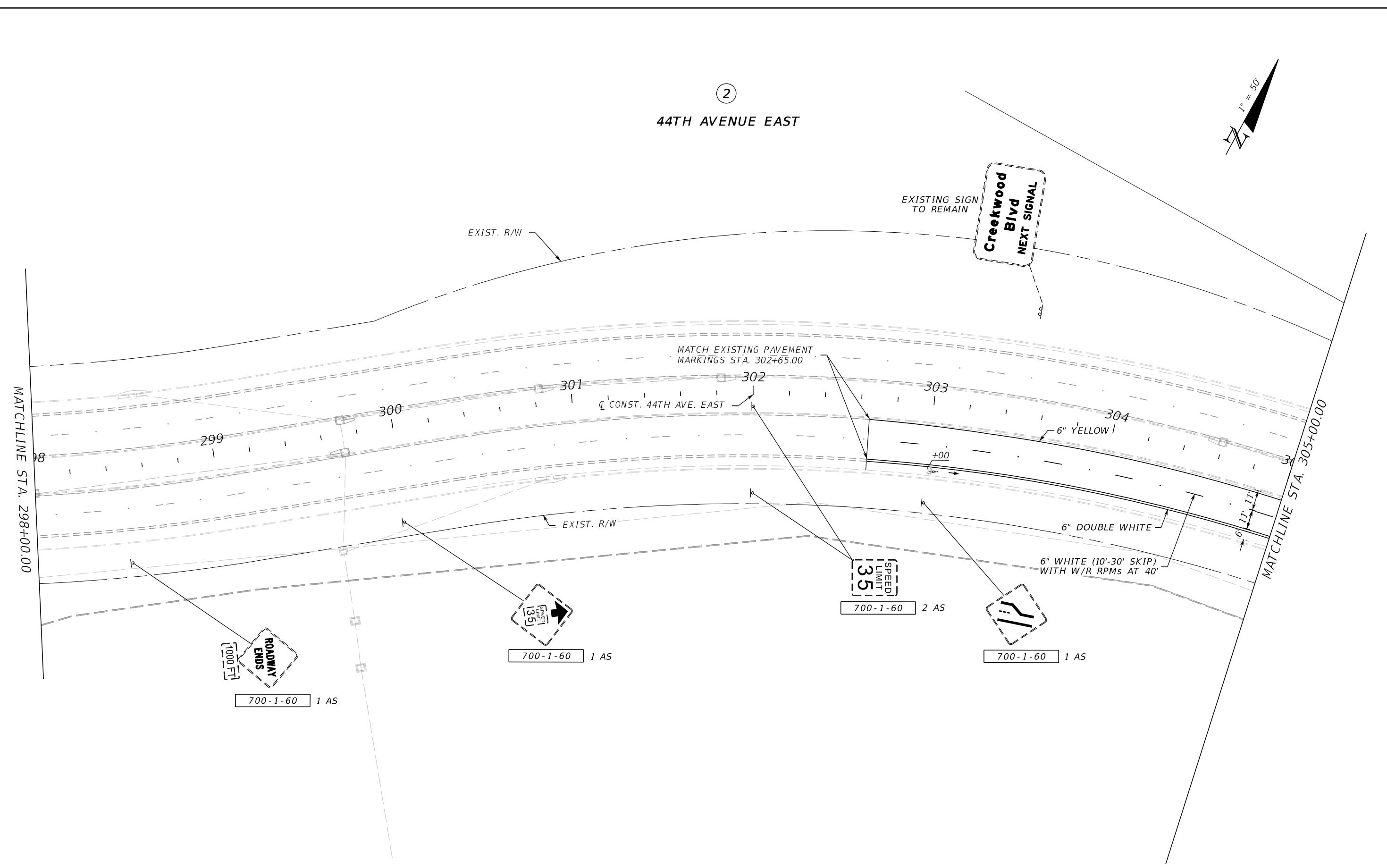
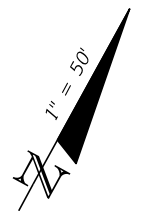
				SCALE	AS NOTED	HDR ENGINEERING, INC.		DATE	02/2022	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	MICHAEL J. OATES	GENERAL NOTES	SHEET NO.
				DESIGNED BY	MO	2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO.	6045662		FL. LICENSE NO.	49282		S-6
				DRAWN BY	VD	SARASOTA, FLORIDA 34232								
No.	REVISIONS			DATE	BY	LR								



SCALE AS NOTED DESIGNED BY MO DRAWN BY VD CHECKED BY LR				HDR ENGINEERING, INC. 2601 CATTLEMEN ROAD, SUITE 400 SARASOTA, FLORIDA 34232		DATE 02/2022 PROJECT NO. 6045662		MANATEE COUNTY PUBLIC WORKS		DESIGN ENGINEER MICHAEL J. OATES FL. LICENSE NO. 49282		SIGNING AND PAVEMENT MARKING PLAN (1)		SHEET NO. S-7
No. REVISIONS DATE BY						9:56:35 AM 2/23/2022		PW:\						

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

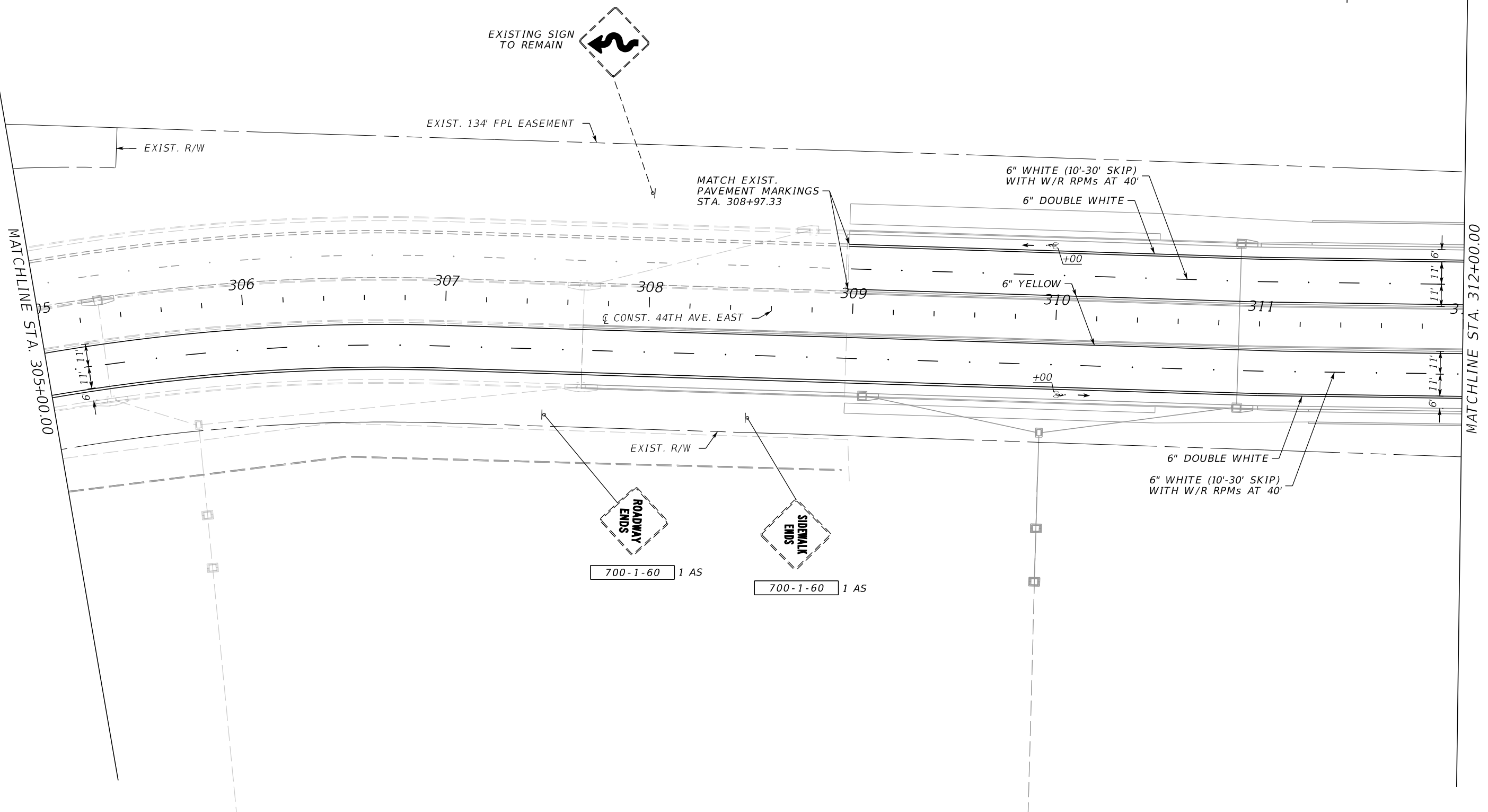
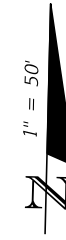
②
44TH AVENUE EAST




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

				SCALE AS NOTED	HDR ENGINEERING, INC. 2601 CATTLEMEN ROAD, SUITE 400 SARASOTA, FLORIDA 34232	DATE 02/2022	MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER MICHAEL J. OATES	SIGNING AND PAVEMENT MARKING PLAN (2)	SHEET NO.
				DESIGNED BY MO		PROJECT NO. 6045662		FL. LICENSE NO. 49282		5-8
No.	REVISIONS	DATE	BY	CHECKED BY LR		9:56:37 AM	2/23/2022	PW:\		

③
44TH AVENUE EAST



					SCALE AS NOTED	HDR ENGINEERING, INC. 2601 CATTLEMEN ROAD, SUITE 400 SARASOTA, FLORIDA 34232	DATE 02/2022	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER MICHAEL J. OATES	SIGNING AND PAVEMENT MARKING PLAN (3)	SHEET NO.
					DESIGNED BY MO		PROJECT NO. 6045662	FL. LICENSE NO. 49282			S-9
No.	REVISIONS	DATE	BY	LR							

9:56:39 AM

2/23/2022

PW:\

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

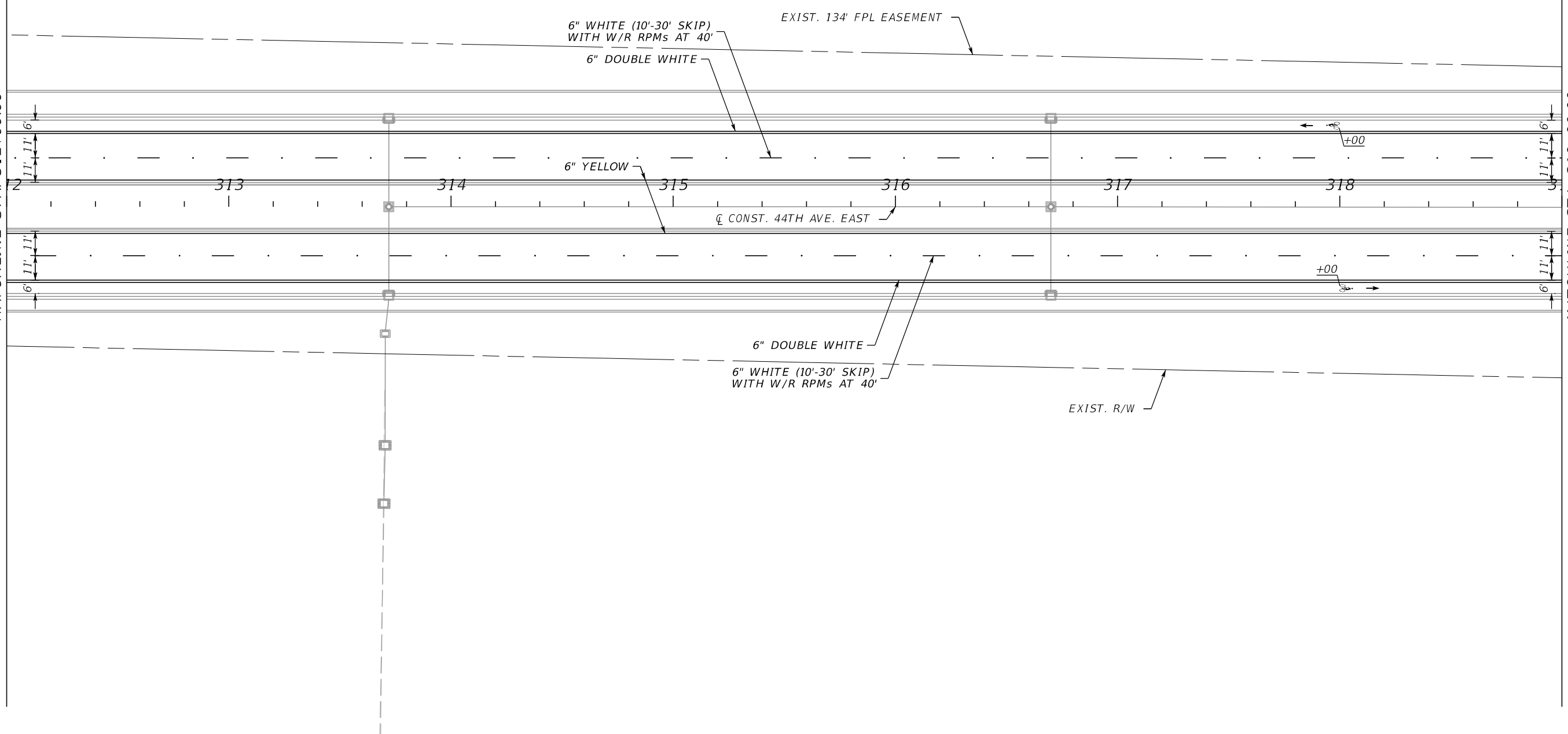
④
44TH AVENUE EAST



OE-----OE-----OE-----OE-----OE-----OE-----

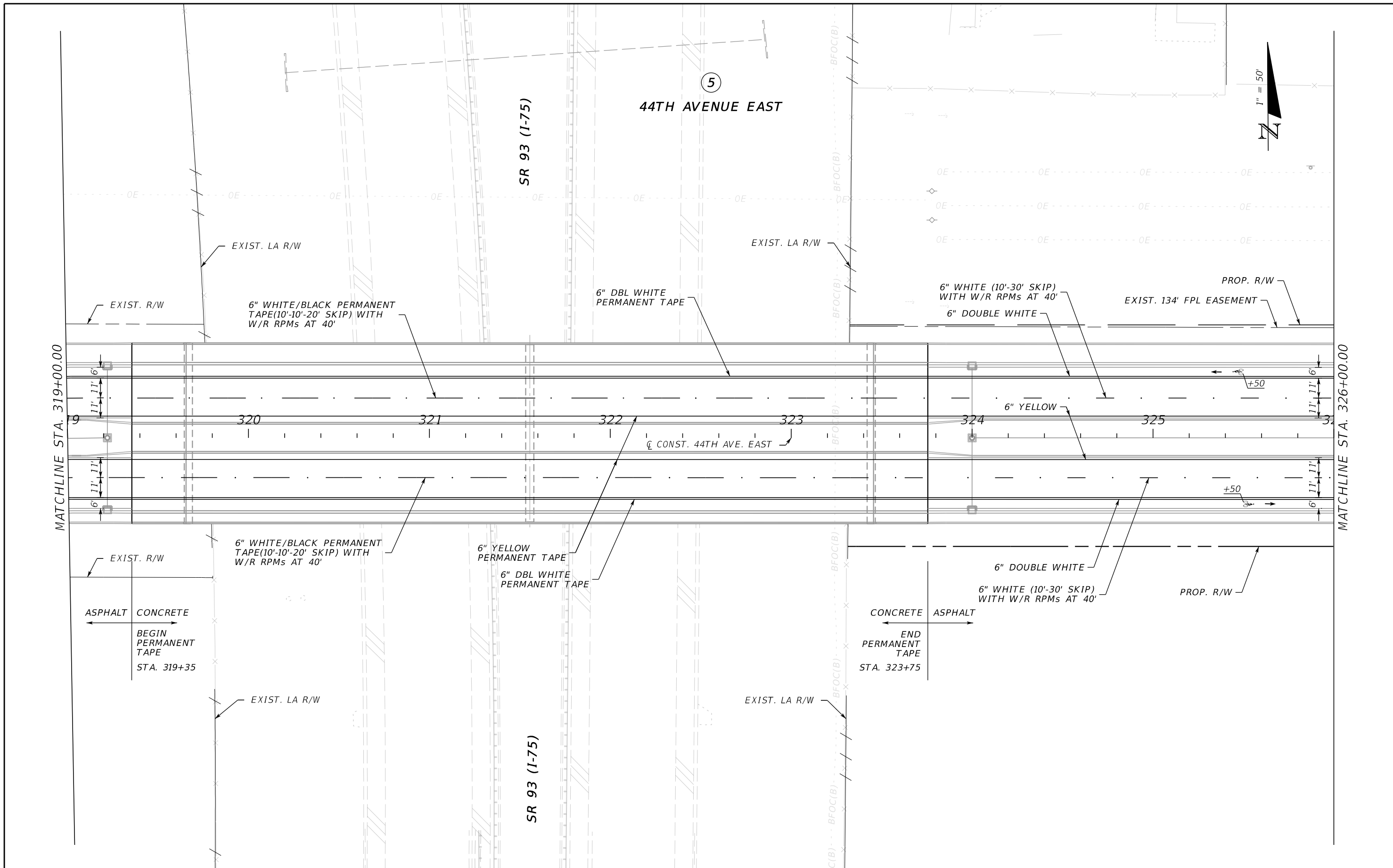
MATCHLINE STA. 312+00.00


MATCHLINE STA. 319+00.00



SCALE AS NOTED		HDR ENGINEERING, INC.		DATE 02/2022		DESIGN ENGINEER MICHAEL J. OATES		SHEET NO.	
DESIGNED BY MO		2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO. 6045662		FL. LICENSE NO. 49282		SIGNING AND PAVEMENT MARKING PLAN (4)	
DRAWN BY VD		SARASOTA, FLORIDA 34232		9:56:40 AM		PW:\		S-10	
CHECKED BY LR				2/23/2022					
No.	REVISIONS	DATE	BY						

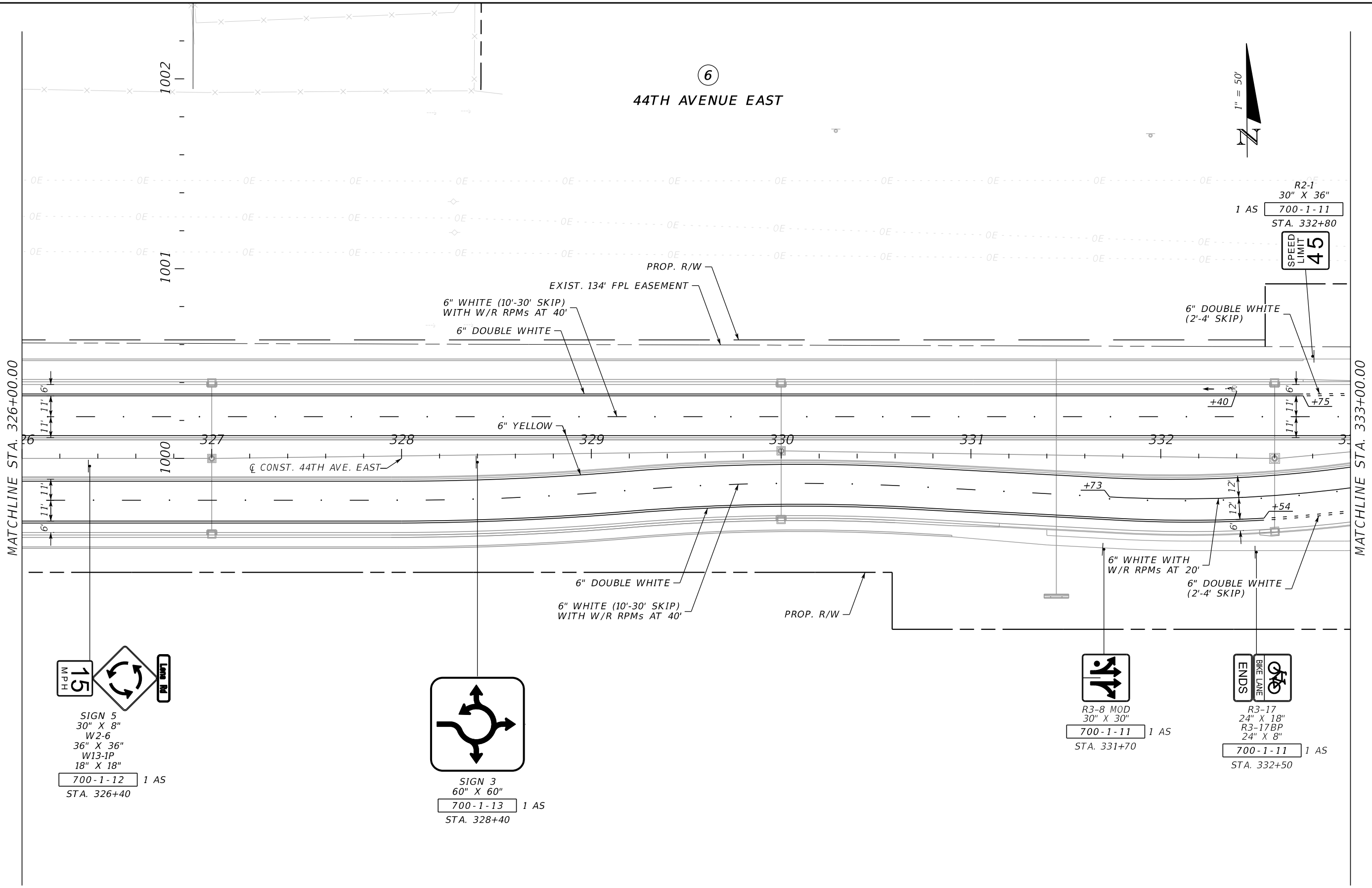
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



No.	REVISIONS			SCALE	AS NOTED	HDR ENGINEERING, INC. 2601 CATTLEMEN ROAD, SUITE 400 SARASOTA, FLORIDA 34232	DATE	02/2022	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	MICHAEL J. OATES	SIGNING AND PAVEMENT MARKING PLAN (5)	SHEET NO.	S-11
				DESIGNED BY	MO		PROJECT NO.	6045662		FL. LICENSE NO.	49282			
				DRAWN BY	VD									
				CHECKED BY	LR									
							11:44:59 AM	2/23/2022		PW:\				

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

⑥
44TH AVENUE EAST



SIGN 5
30" X 8"
W2-6
36" X 36"
W13-1P
18" X 18"
700-1-12 1 AS
STA. 326+40

SIGN 3
60" X 60"
700-1-13 1 AS
STA. 328+40

R3-8 MOD
30" X 30"
700-1-11 1 AS
STA. 331+70

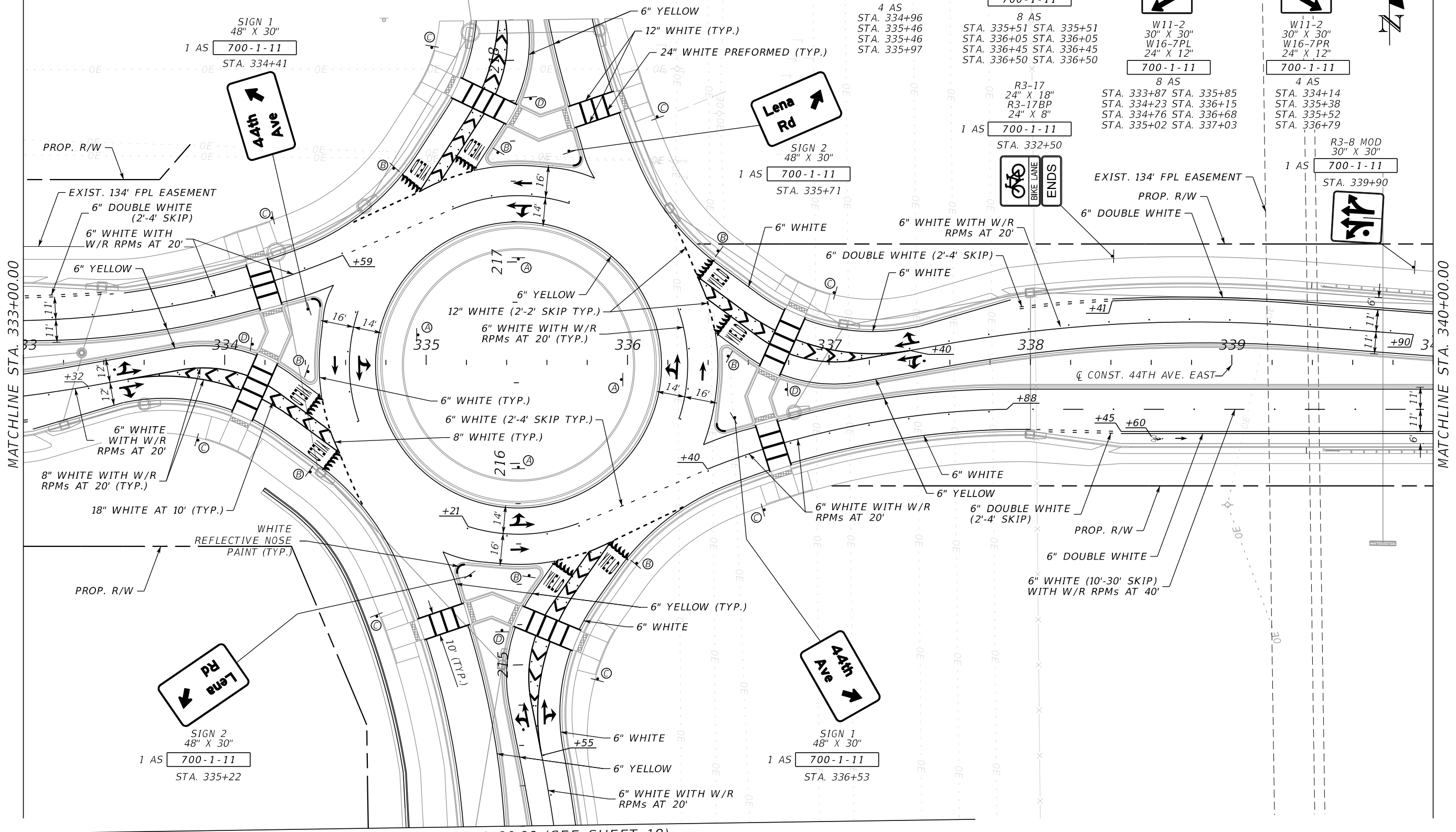
R3-17
24" X 18"
R3-17BP
24" X 8"
700-1-11 1 AS
STA. 332+50

R2-1
30" X 36"
1 AS
700-1-11
STA. 332+80
SPEED LIMIT
45

SCALE AS NOTED DESIGNED BY MO DRAWN BY VD CHECKED BY LR				HDR ENGINEERING, INC. 2601 CATTLEMEN ROAD, SUITE 400 SARASOTA, FLORIDA 34232		DATE 02/2022 PROJECT NO. 6045662		MANATEE COUNTY PUBLIC WORKS		DESIGN ENGINEER MICHAEL J. OATES FL. LICENSE NO. 49282		SHEET NO. S-12	
SIGNING AND PAVEMENT MARKING PLAN (6)													
No. REVISIONS DATE BY				9:56:44 AM		2/23/2022		PW:\					

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

⑦
44TH AVENUE EAST



(A)
R6-4A
48" X 24"
700-1-11
4 AS
STA. 334+96
STA. 335+46
STA. 335+97

(B)
R1-2
36" X 36"
700-1-11
8 AS
STA. 335+51 STA. 335+51
STA. 336+05 STA. 336+05
STA. 336+45 STA. 336+45
STA. 336+50 STA. 336+50

(C)
W11-2
30" X 30"
W16-7PL
24" X 12"
700-1-11
8 AS
STA. 333+87 STA. 335+85
STA. 334+23 STA. 336+15
STA. 334+76 STA. 336+68
STA. 335+02 STA. 337+03

(D)
W11-2
30" X 30"
W16-7PR
24" X 12"
700-1-11
4 AS
STA. 334+14
STA. 335+38
STA. 335+52
STA. 336+79

(E)
R3-17
24" X 18"
R3-17BP
24" X 8"
700-1-11
1 AS
STA. 332+50

(F)
R3-8 MOD
30" X 30"
700-1-11
1 AS
STA. 339+90

MATCHLINE STA. 333+00.00

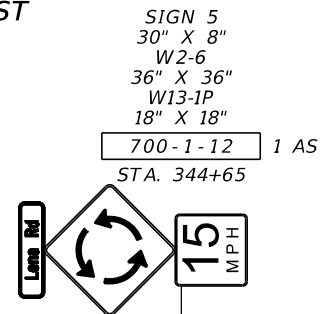
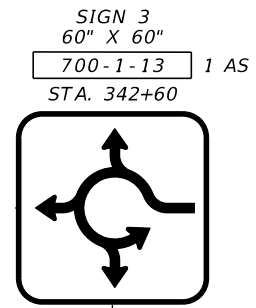
MATCHLINE STA. 340+00.00

MATCHLINE STA. 214+20.00 (SEE SHEET 18)

SCALE AS NOTED		HDR ENGINEERING, INC.		DATE 02/2022		DESIGN ENGINEER MICHAEL J. OATES		SHEET NO.	
DESIGNED BY MO		2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO. 6045662		FL. LICENSE NO. 49282		SIGNING AND PAVEMENT MARKING PLAN (7)	
DRAWN BY VD		SARASOTA, FLORIDA 34232		9:56:47 AM		PW\		5-13	
CHECKED BY LR				2/23/2022					
No.	REVISIONS	DATE	BY						

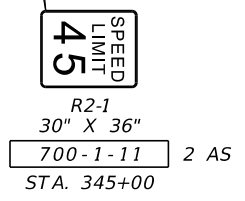
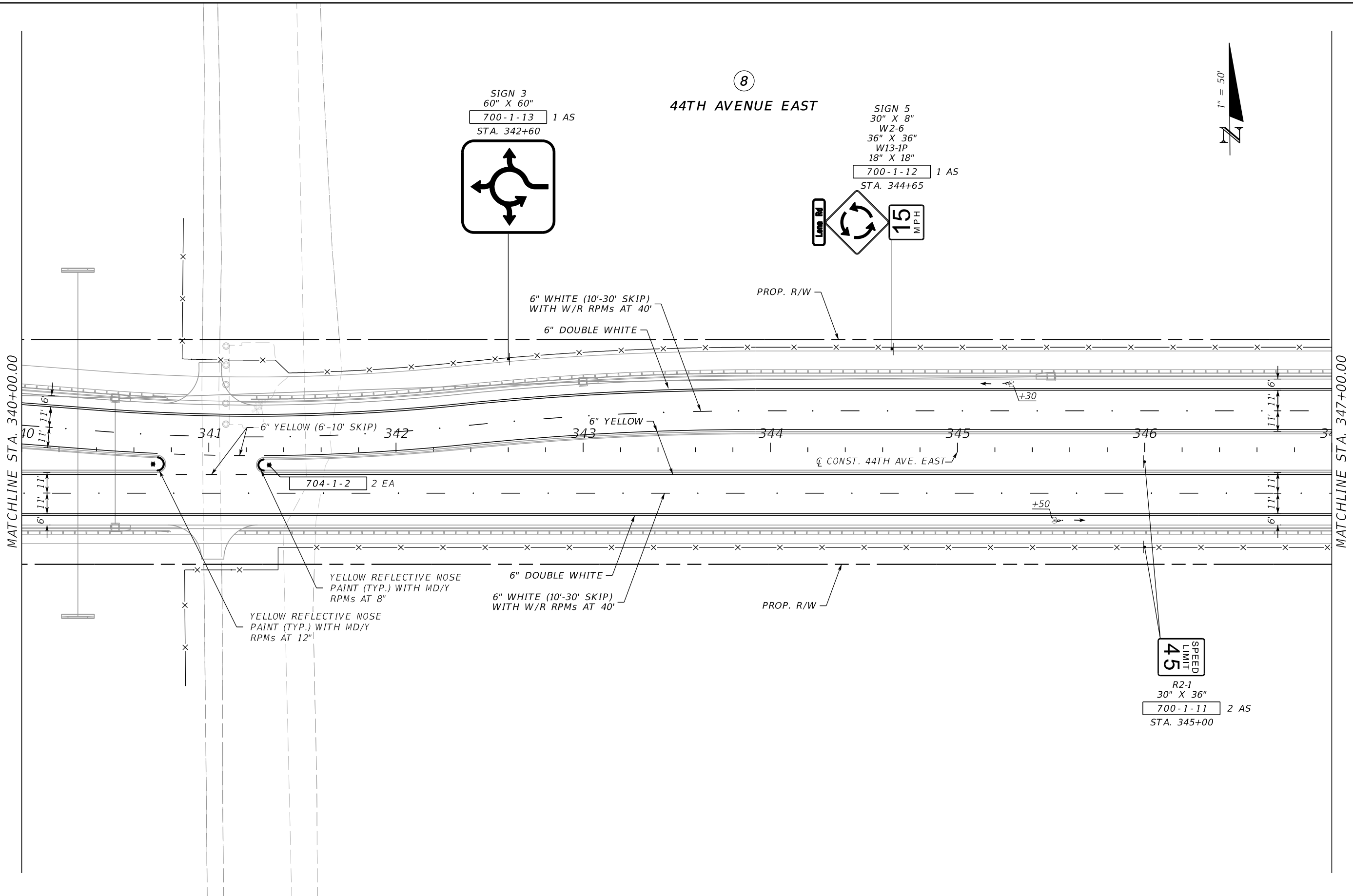
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

⑧
44TH AVENUE EAST



MATCHLINE STA. 340+00.00

MATCHLINE STA. 347+00.00



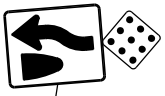
SCALE AS NOTED		HDR ENGINEERING, INC.		DATE 02/2022		DESIGN ENGINEER MICHAEL J. OATES		SHEET NO. S-14
DESIGNED BY MO		2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO. 6045662		FL. LICENSE NO. 49282		
DRAWN BY VD		SARASOTA, FLORIDA 34232		9:56:48 AM		PW:\		
CHECKED BY LR				2/23/2022				
No.	REVISIONS	DATE	BY					

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

⑨
44TH AVENUE EAST



R4-7
24" X 30"
OM1-1
18" X 18"
700-1-11 1 AS
705-10-1 1 EA
STA. 347+84



6" WHITE (10'-30' SKIP)
WITH W/R RPMs AT 40'

PROP. R/W

6" DOUBLE WHITE

6" YELLOW (6'-10' SKIP)

6" YELLOW

MATCHLINE STA. 347+00.00

MATCHLINE STA. 354+00.00

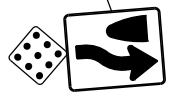
Q CONST. 44TH AVE. EAST

YELLOW REFLECTIVE NOSE
PAINT (TYP.) WITH MD/Y
RPMs AT 12"

6" DOUBLE WHITE

6" WHITE (10'-30' SKIP)
WITH W/R RPMs AT 40'

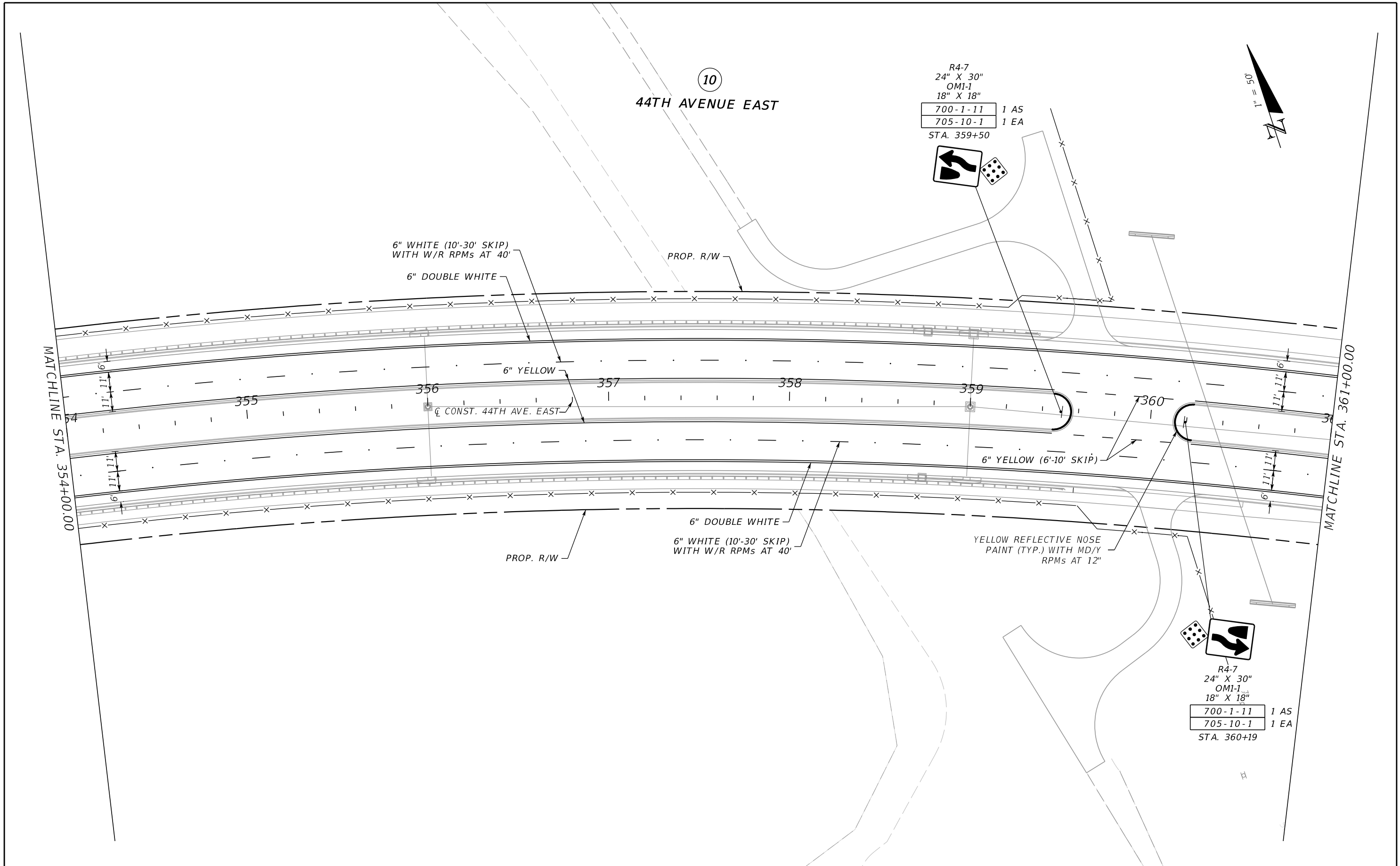
PROP. R/W



R4-7
24" X 30"
OM1-1
18" X 18"
700-1-11 1 AS
705-10-1 1 EA
STA. 349+06

SCALE AS NOTED		HDR ENGINEERING, INC.		DATE 02/2022		DESIGN ENGINEER MICHAEL J. OATES		SHEET NO.	
DESIGNED BY MO		2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO. 6045662		FL. LICENSE NO. 49282		SIGNING AND PAVEMENT MARKING PLAN (9)	
DRAWN BY VD		SARASOTA, FLORIDA 34232		9:56:50 AM		PW:\		5-15	
CHECKED BY LR				2/23/2022					
No.	REVISIONS	DATE	BY						

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



R4-7
24" X 30"
OM1-1
18" X 18"
700-1-11 1 AS
705-10-1 1 EA
STA. 359+50

R4-7
24" X 30"
OM1-1
18" X 18"
700-1-11 1 AS
705-10-1 1 EA
STA. 360+19

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

SCALE AS NOTED		HDR ENGINEERING, INC.		DATE 02/2022		DESIGN ENGINEER MICHAEL J. OATES		SHEET NO.	
DESIGNED BY MO		2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO. 6045662		FL. LICENSE NO. 49282		5-16	
DRAWN BY VD		SARASOTA, FLORIDA 34232		9:56:52 AM		PW:\			
CHECKED BY LR				2/23/2022					
No.	REVISIONS	DATE	BY						

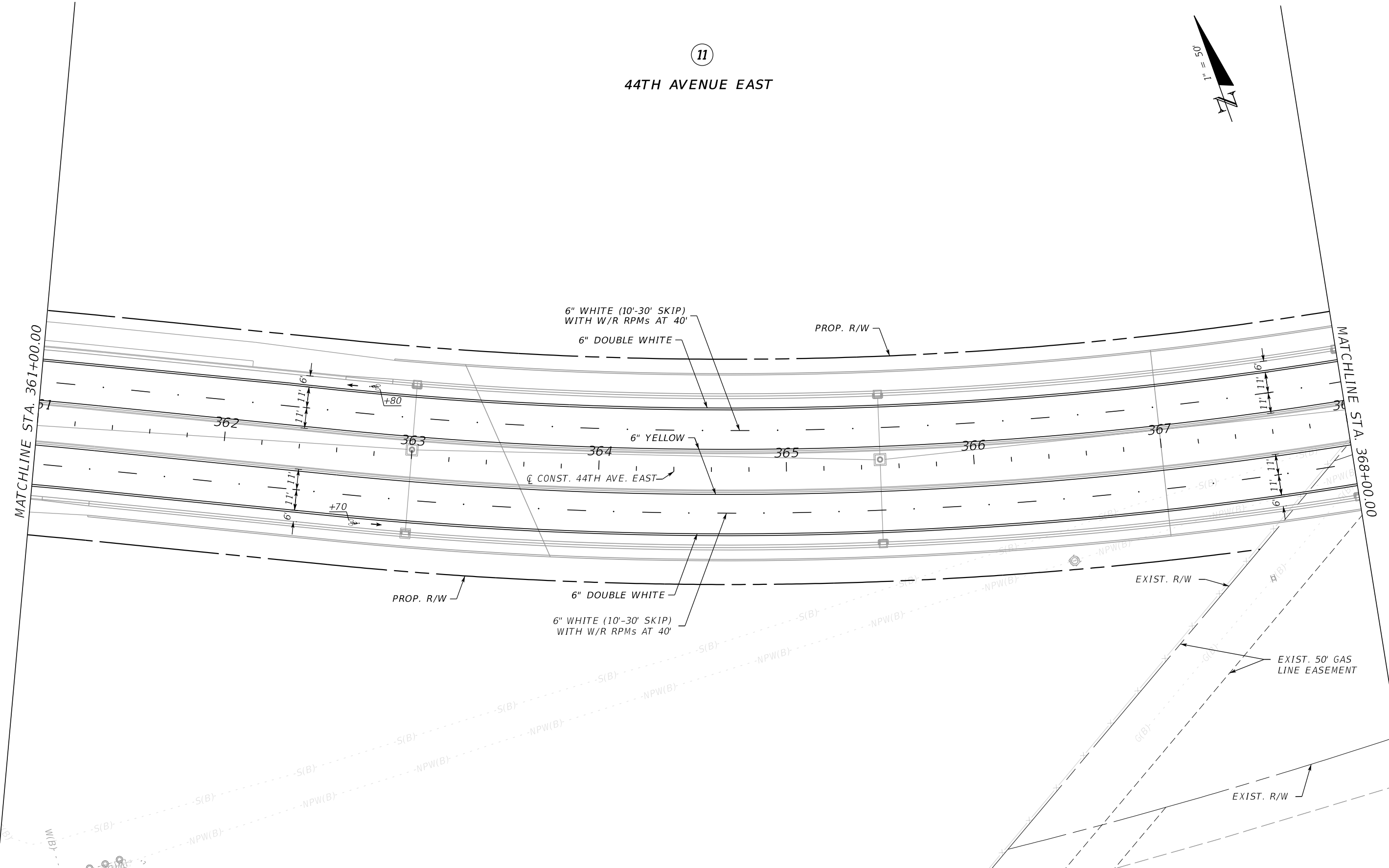
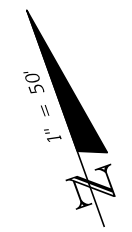


**MANATEE COUNTY
PUBLIC WORKS**

**SIGNING AND PAVEMENT
MARKING PLAN (10)**

11

44TH AVENUE EAST



SCALE		AS NOTED		HDR ENGINEERING, INC.		DATE		02/2022		DESIGN ENGINEER		MICHAEL J. OATES		SHEET NO.	
DESIGNED BY		MO		2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO.		6045662		FL. LICENSE NO.		49282		S-17	
DRAWN BY		VD		SARASOTA, FLORIDA 34232		PROJECT NO.		6045662		FL. LICENSE NO.		49282		S-17	
CHECKED BY		LR				PROJECT NO.		6045662		FL. LICENSE NO.		49282		S-17	
No.		REVISIONS		DATE		BY				PW:\					

9:56:53 AM

2/23/2022

PW:\

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



MANATEE COUNTY PUBLIC WORKS

SIGNING AND PAVEMENT MARKING PLAN (11)

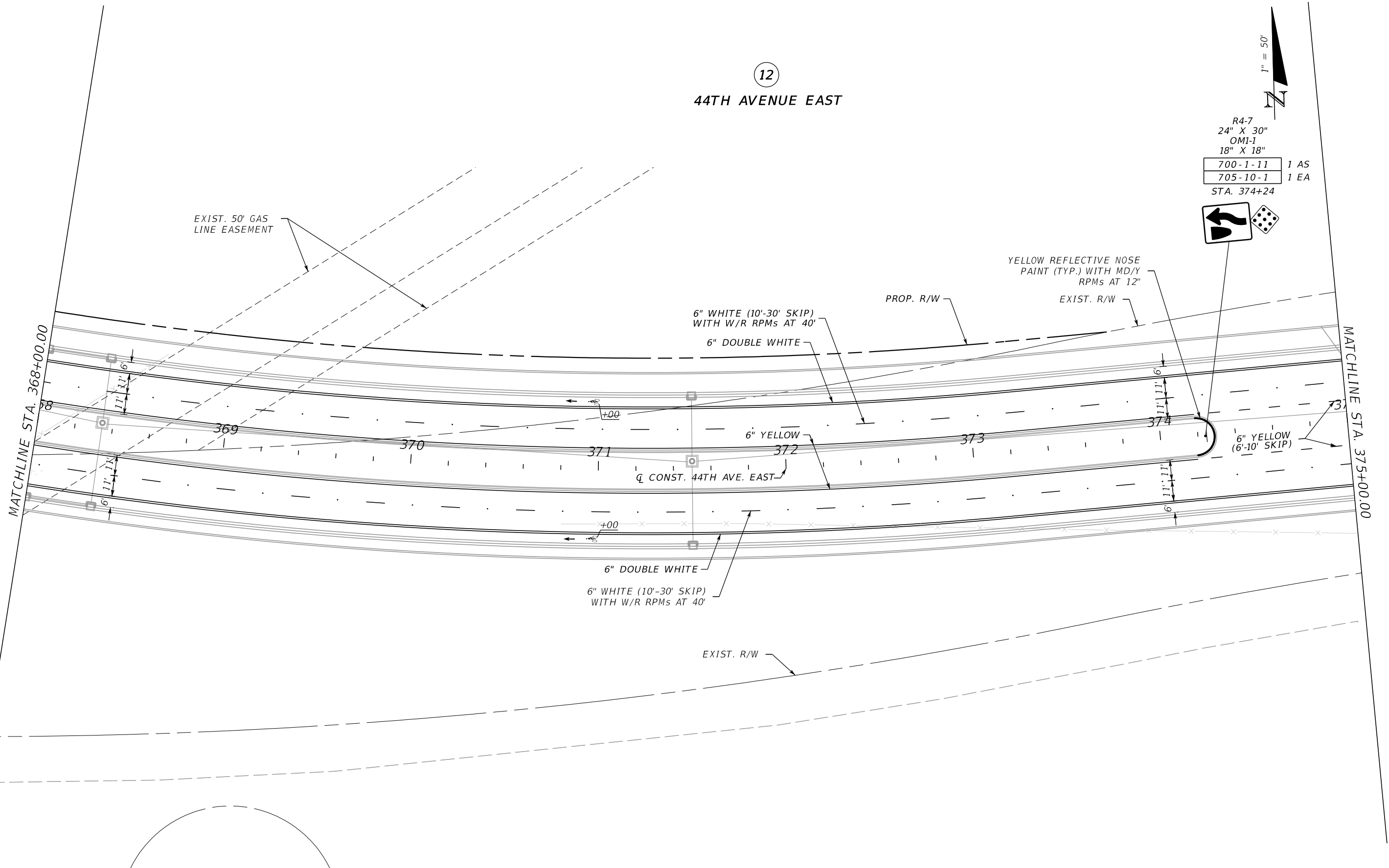
12
44TH AVENUE EAST

1" = 50'

R4-7
24" X 30"
OM1-1
18" X 18"

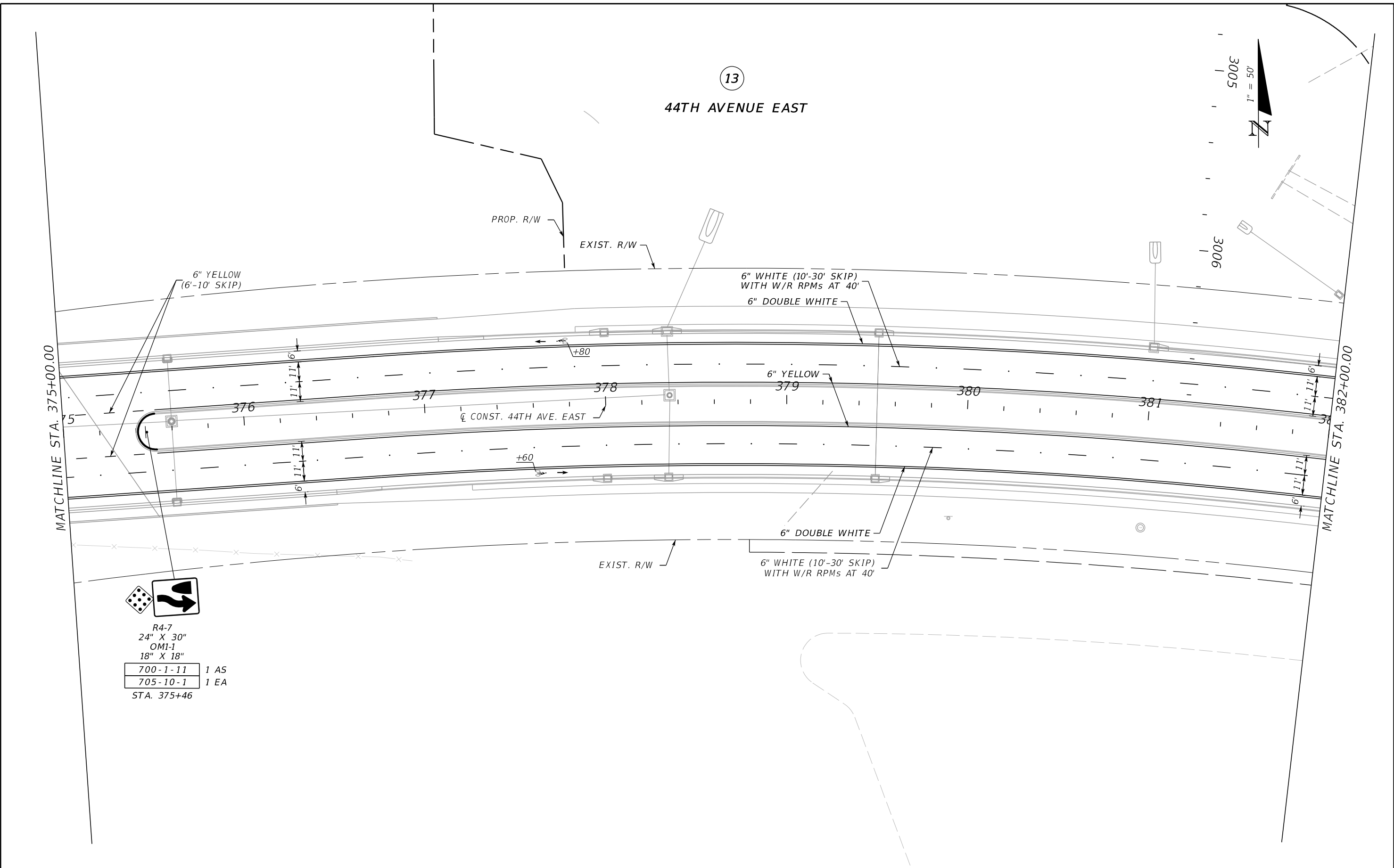
700-1-11	1 AS
705-10-1	1 EA

STA. 374+24



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

	SCALE	AS NOTED	HDR ENGINEERING, INC.		DATE	02/2022	MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	MICHAEL J. OATES	SIGNING AND PAVEMENT MARKING PLAN (12)	SHEET NO.
	DESIGNED BY	MO	2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO.	6045662		FL. LICENSE NO.	49282		5-18
	DRAWN BY	VD	SARASOTA, FLORIDA 34232								
No.	REVISIONS	DATE	BY	LR	9:57:00 AM	2/23/2022		PW:\			



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

		SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	02/2022	DESIGN ENGINEER	MICHAEL J. OATES	SHEET NO.
		DESIGNED BY	MO	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6045662	FL. LICENSE NO.	49282	5-19
		DRAWN BY	VD	SARASOTA, FLORIDA 34232					
		CHECKED BY	LR						
No.	REVISIONS			DATE	BY				



**MANATEE COUNTY
PUBLIC WORKS**

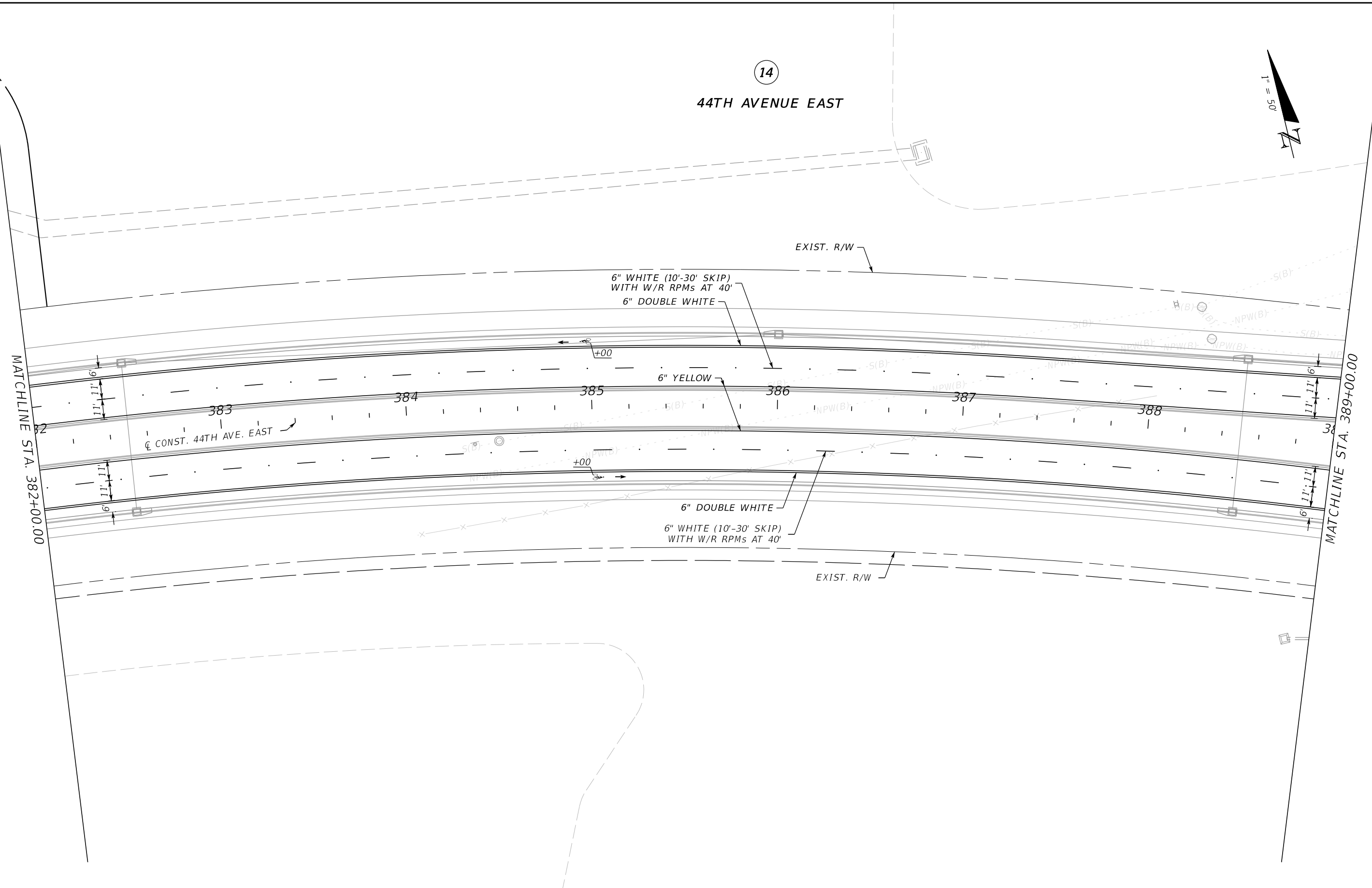
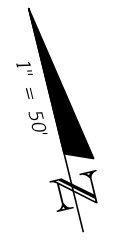
**SIGNING AND PAVEMENT
MARKING PLAN (13)**

9:57:01 AM

2/23/2022

PW:\

14
44TH AVENUE EAST

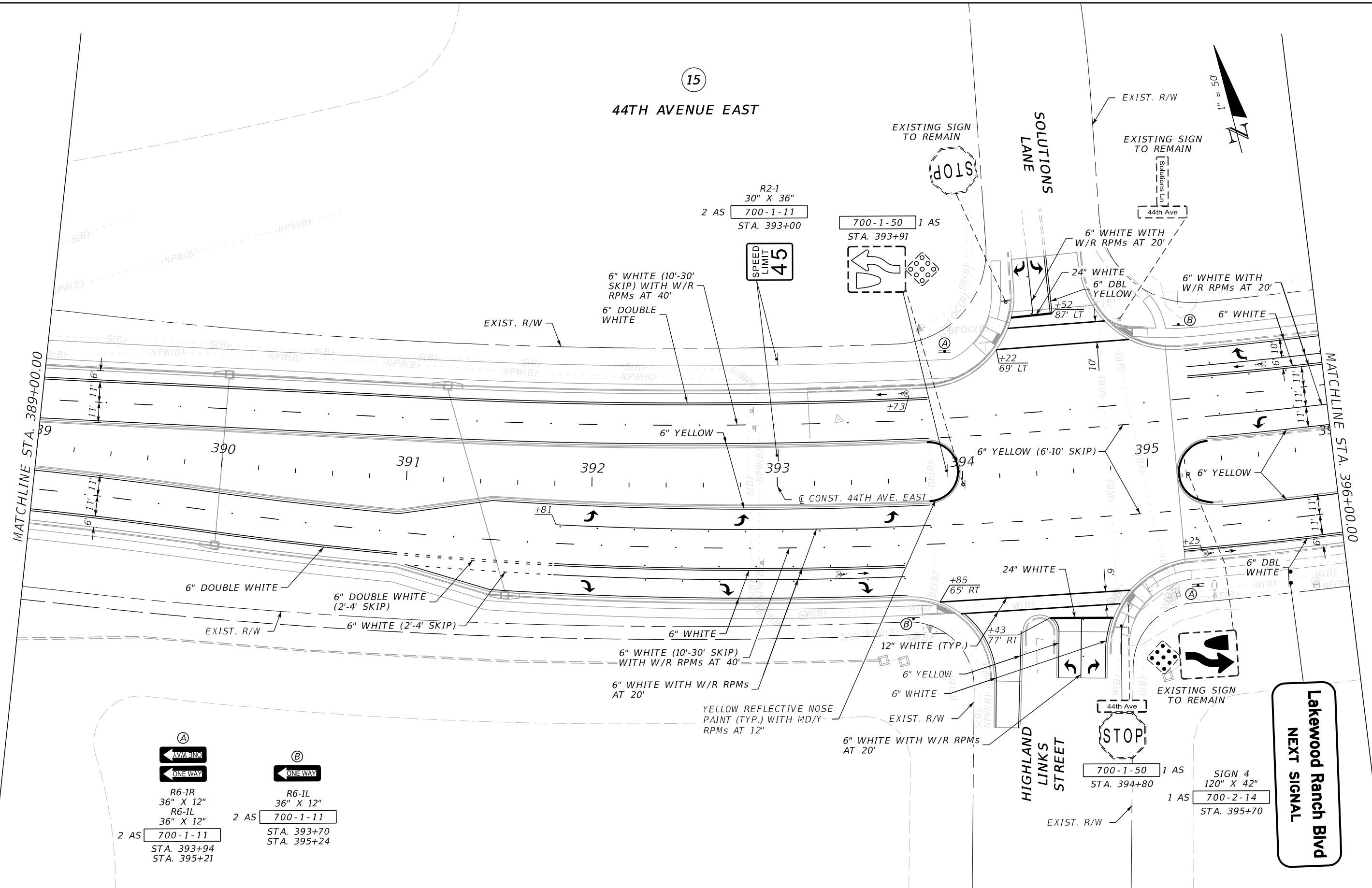
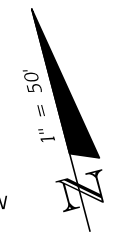


SCALE AS NOTED		HDR ENGINEERING, INC.		DATE 02/2022		DESIGN ENGINEER MICHAEL J. OATES		SHEET NO.	
DESIGNED BY MO		2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO. 6045662		FL. LICENSE NO. 49282		SIGNING AND PAVEMENT MARKING PLAN (14)	
DRAWN BY VD		SARASOTA, FLORIDA 34232		9:57:03 AM		PW:\		S-20	
CHECKED BY LR				2/23/2022					
No.	REVISIONS	DATE	BY						

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

15

44TH AVENUE EAST



(A)
 ONE WAY
 R6-1R
 36" X 12"
 R6-1L
 36" X 12"
 2 AS 700-1-11
 STA. 393+94
 STA. 395+21

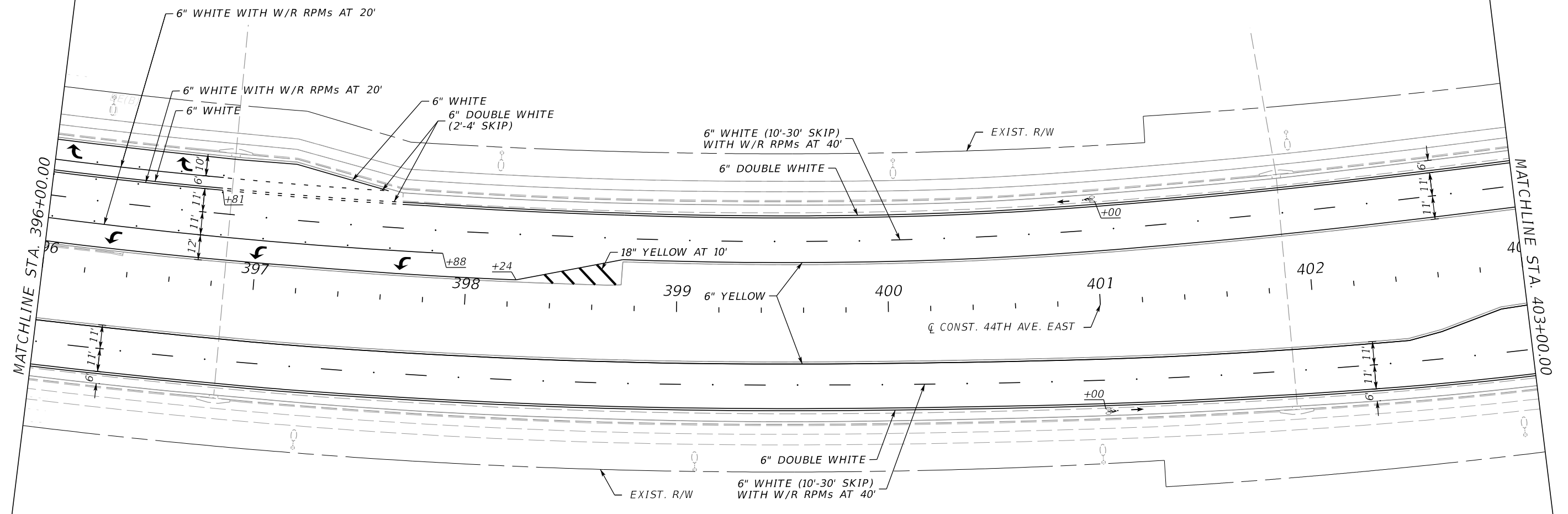
(B)
 ONE WAY
 R6-1L
 36" X 12"
 2 AS 700-1-11
 STA. 393+70
 STA. 395+24

SCALE AS NOTED		HDR ENGINEERING, INC.		DATE 02/2022		DESIGN ENGINEER MICHAEL J. OATES		SHEET NO.	
DESIGNED BY MO		2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO. 6045662		FL. LICENSE NO. 49282		SIGNING AND PAVEMENT MARKING PLAN (15)	
DRAWN BY VD		SARASOTA, FLORIDA 34232		9:57:05 AM		PW\		5-21	
CHECKED BY LR				2/23/2022					
No.	REVISIONS	DATE	BY						

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

16

44TH AVENUE EAST

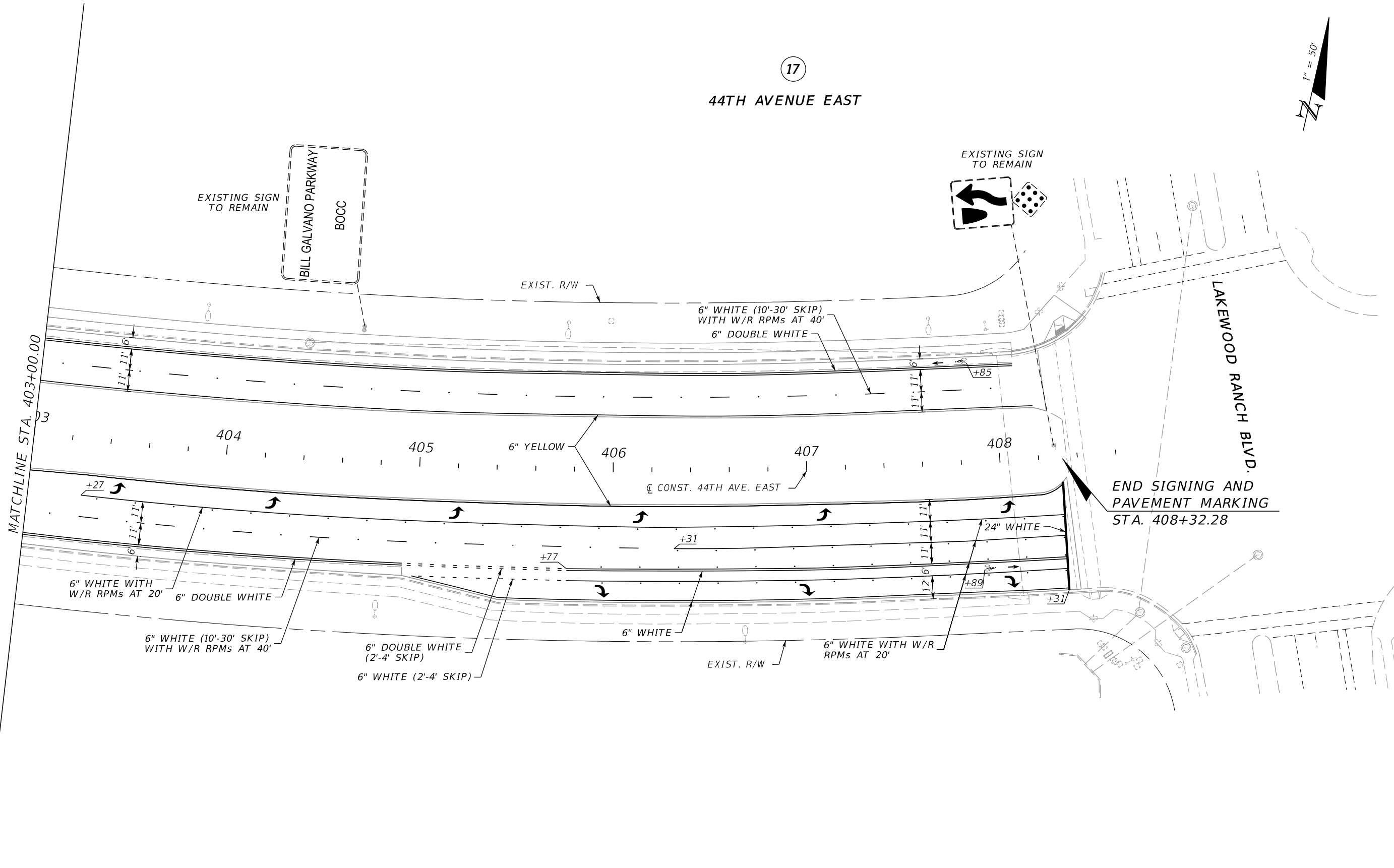



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SCALE AS NOTED		HDR ENGINEERING, INC.		DATE 02/2022		DESIGN ENGINEER MICHAEL J. OATES		SHEET NO.	
DESIGNED BY MO		2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO. 6045662		FL. LICENSE NO. 49282		SIGNING AND PAVEMENT MARKING PLAN (16)	
DRAWN BY VD		SARASOTA, FLORIDA 34232		9:57:06 AM		PW:\		S-22	
CHECKED BY LR				2/23/2022					
No.	REVISIONS	DATE	BY						

17

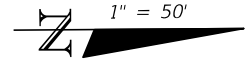
44TH AVENUE EAST



				SCALE	AS NOTED	HDR ENGINEERING, INC.		DATE	02/2022	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	MICHAEL J. OATES	SIGNING AND PAVEMENT MARKING PLAN (17)	SHEET NO.	
				DESIGNED BY	MO	2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO.	6045662		FL. LICENSE NO.	49282			
				DRAWN BY	VD	SARASOTA, FLORIDA 34232									
				CHECKED BY	LR										
No.	REVISIONS			DATE	BY			9:57:08 AM	2/23/2022		PW:\		S-23		

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

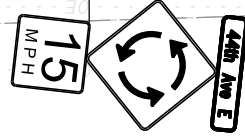
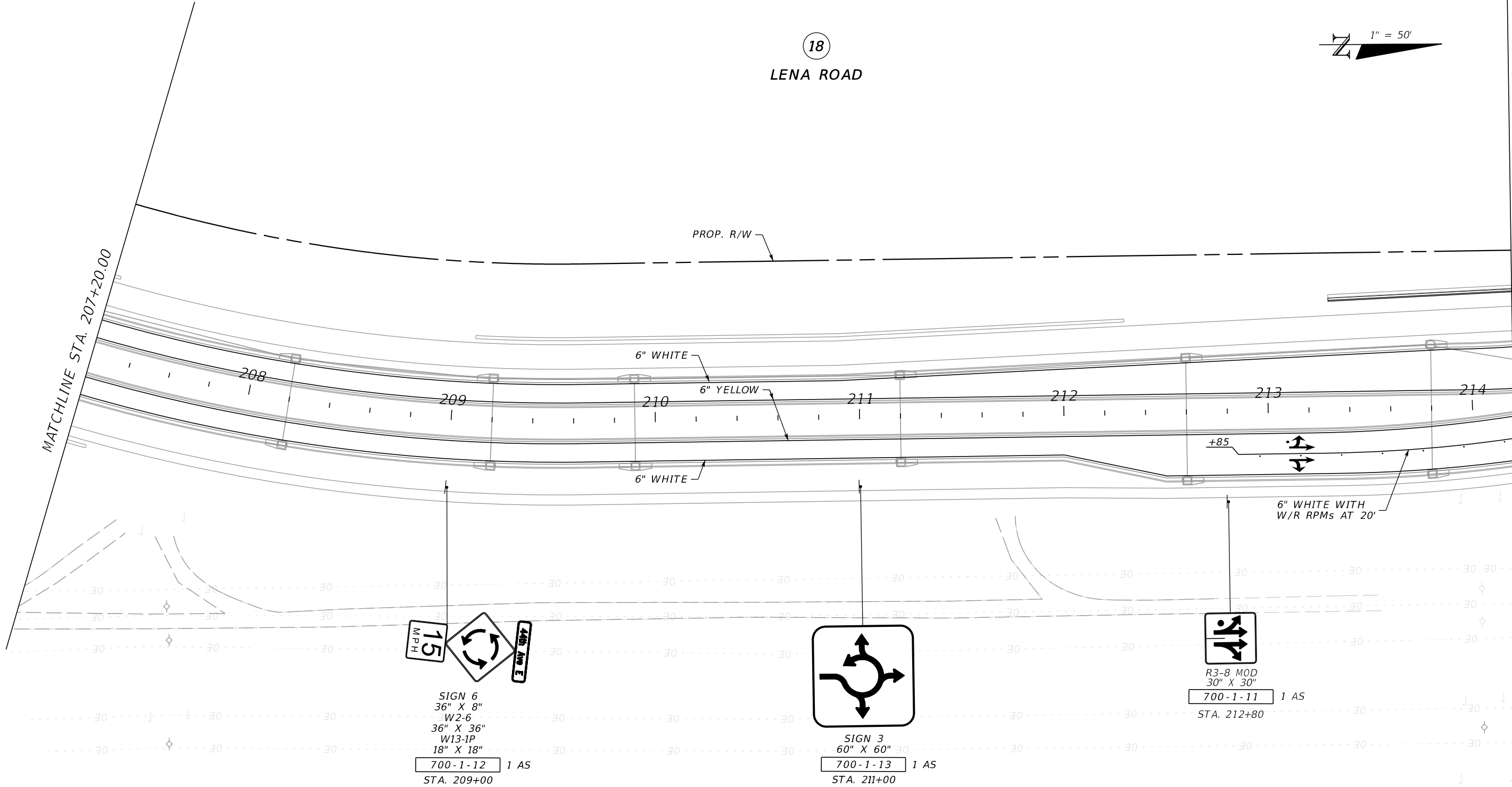
18
LENA ROAD



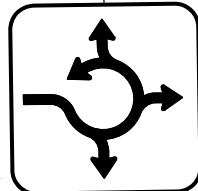
MATCHLINE STA. 207+20.00

MATCHLINE STA. 214+20.00

PROP. R/W



SIGN 6
36" X 8"
W2-6
36" X 36"
W13-1P
18" X 18"
700-1-12 1 AS
STA. 209+00



SIGN 3
60" X 60"
700-1-13 1 AS
STA. 211+00

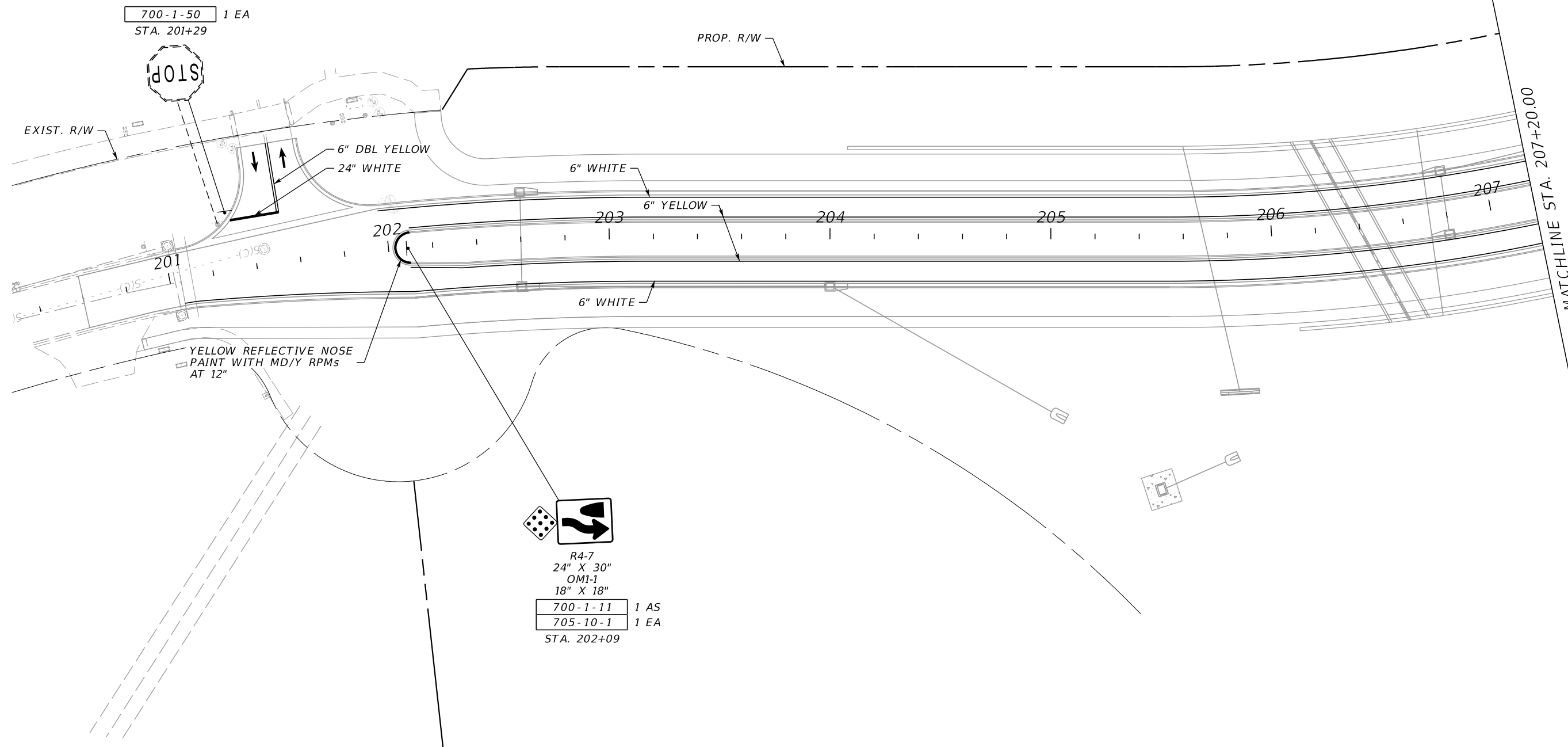
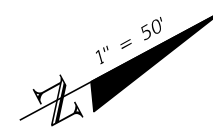


R3-8 MOD
30" X 30"
700-1-11 1 AS
STA. 212+80

SCALE AS NOTED				HDR ENGINEERING, INC.		DATE 02/2022		DESIGN ENGINEER MICHAEL J. OATES		SHEET NO. S-24	
DESIGNED BY MO				2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO. 6045662		FL. LICENSE NO. 49282		SIGNING AND PAVEMENT MARKING PLAN (18)	
DRAWN BY VD				SARASOTA, FLORIDA 34232		10:25:05 AM		PW:\			
CHECKED BY LR						2/23/2022					
No.	REVISIONS			DATE	BY						

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

19
LENA ROAD

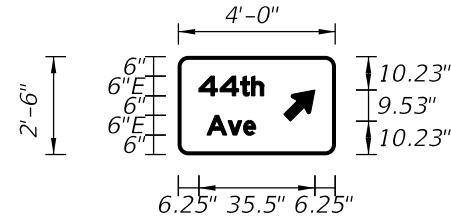


R4-7
 24" X 30"
 OM1-1
 18" X 18"
 700-1-11 1 AS
 705-10-1 1 EA
 STA. 202+09

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

SCALE AS NOTED		HDR ENGINEERING, INC.		DATE 02/2022		DESIGN ENGINEER MICHAEL J. OATES		SHEET NO.	
DESIGNED BY MO		2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO. 6045662		FL. LICENSE NO. 49282		SIGNING AND PAVEMENT MARKING PLAN (19)	
DRAWN BY VD		SARASOTA, FLORIDA 34232		10:25:33 AM		PW:\		S-25	
CHECKED BY LR				2/23/2022					
No.	REVISIONS	DATE	BY						

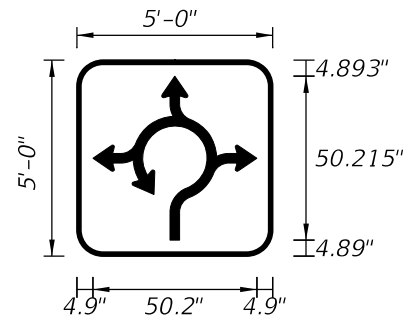
SIGN NAME	SIGN 1	QTY	2	SIGN NUMBER	STATION(S)
PANEL	BORDER				334+41
WIDTH	4'-0"	WIDTH	0.75"		336+53
HEIGHT	2'-6"	RADII	3"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR_Type D	315	32.2	10.2	8	12
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	4	4	t	h	L																		
SPACE	6.2	6.5	6.3	3.4	3.7	21.9	19.9																
COPY	A	v	e	L																			
SPACE	8.7	6.5	4.7	3.7	24.4	14.9																	
COPY																							
SPACE																							
COPY																							
SPACE																							
COPY																							
SPACE																							

SIGN NAME	SIGN 3	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				328+40
WIDTH	5'-0"	WIDTH	1.25"		342+60
HEIGHT	5'-0"	RADII	8"		211+00
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR ROUNDABOUT	0	4.9	4.9	50.2	50.2
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE	AVERAGE LENGTH	

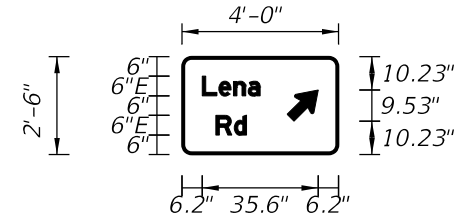


NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY																							
SPACE																							
COPY																							
SPACE																							
COPY																							
SPACE																							
COPY																							
SPACE																							
COPY																							
SPACE																							

SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	02/2022
DESIGNED BY	MO	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6045662
DRAWN BY	VD	SARASOTA, FLORIDA 34232		
CHECKED BY	LR			
No.	REVISIONS	DATE	BY	

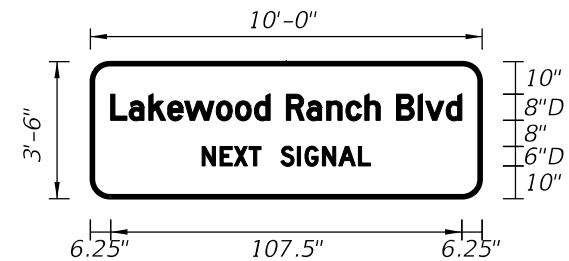
SIGN NAME	SIGN 2	QTY	2	SIGN NUMBER	STATION(S)
PANEL	BORDER				335+22
WIDTH	4'-0"	WIDTH	0.75"		335+71
HEIGHT	2'-6"	RADII	3"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
AR_Type D	315	32.2	10.2	8	12
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE	AVERAGE LENGTH	



NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	L	e	n	a	L																		
SPACE	6.2	5.1	4.5	4.5	3.7	24	17.8																
COPY	R	d	L																				
SPACE	10.4	5.6	3.7	28.2	9.4																		
COPY																							
SPACE																							
COPY																							
SPACE																							
COPY																							
SPACE																							

SIGN NAME	SIGN 4	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				395+70
WIDTH	10'-0"	WIDTH	1.25"		
HEIGHT	3'-6"	RADII	6"		
LEGEND	White	COLOR	White		
COLOR	Green				
SYMBOL(S)	ANGLE	X	Y	WID	HT
SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE	AVERAGE LENGTH	
SIGN 4	2		5 3X5.7	10.49	



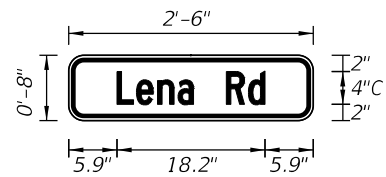
NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	L	a	k	e	w	o	o	d	R	a	n	c	h	B	i	v	d	L					
SPACE	6.2	5.6	6.1	5.8	5.2	9.7	5.8	5.8	4.8	5	6.2	6.1	5.9	5.8	4.7	5	6.6	2.2	6.3	4.8	6.2	107.5	
COPY	N	E	X	T	S	I	G	N	A	L	L												
SPACE	29.8	6.4	5.3	5.9	4.5	6	6.1	2.5	6.2	5.9	7.1	4.5	29.8	60.4									
COPY																							
SPACE																							
COPY																							
SPACE																							
COPY																							
SPACE																							

DESIGN ENGINEER	MICHAEL J. OATES	SHEET NO.	
FL. LICENSE NO.	49282	GUIDE SIGN WORKSHEET (1)	
	PW:\	S-26	

SIGN NAME	SIGN 5	QTY	2	SIGN NUMBER	STATION(S)
PANEL	BORDER				344+65
WIDTH	2'-6"	WIDTH	0.38"		326+40
HEIGHT	0'-8"	RADII	1.5"		
LEGEND	Black	COLOR	Black		
COLOR	Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT

SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE	AVERAGE LENGTH

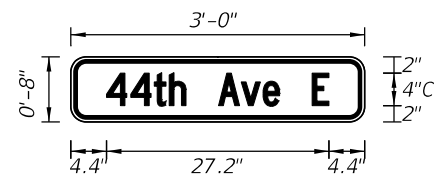


INSET: 0.38"

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

SIGN NAME	SIGN 6	QTY	1	SIGN NUMBER	STATION(S)
PANEL	BORDER				209+00
WIDTH	3'-0"	WIDTH	0.38"		
HEIGHT	0'-8"	RADII	1.5"		
LEGEND	Black	COLOR	Black		
COLOR	Yellow				
SYMBOL(S)	ANGLE	X	Y	WID	HT

SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE	AVERAGE LENGTH



INSET: 0.38"

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	SPACE	L	e	n	a	R	d	L								
		5.9	2.4	2.6	2.5	1.9	4	2.7	2	5.9	18.2					

COPY	SPACE	4	4	t	h	A	v	e	E	L					
		4.4	3	2.9	1.8	2	4	2.8	2.7	2	4	2	4.4	27.2	

SIGN NAME		QTY		SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID	HT

SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE	AVERAGE LENGTH

NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE


SIGN NAME		QTY		SIGN NUMBER	STATION(S)
PANEL	BORDER				
WIDTH	WIDTH				
HEIGHT	RADII				
LEGEND	COLOR				
COLOR					
SYMBOL(S)	ANGLE	X	Y	WID	HT

SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge of Lane	COLUMN SIZE	AVERAGE LENGTH

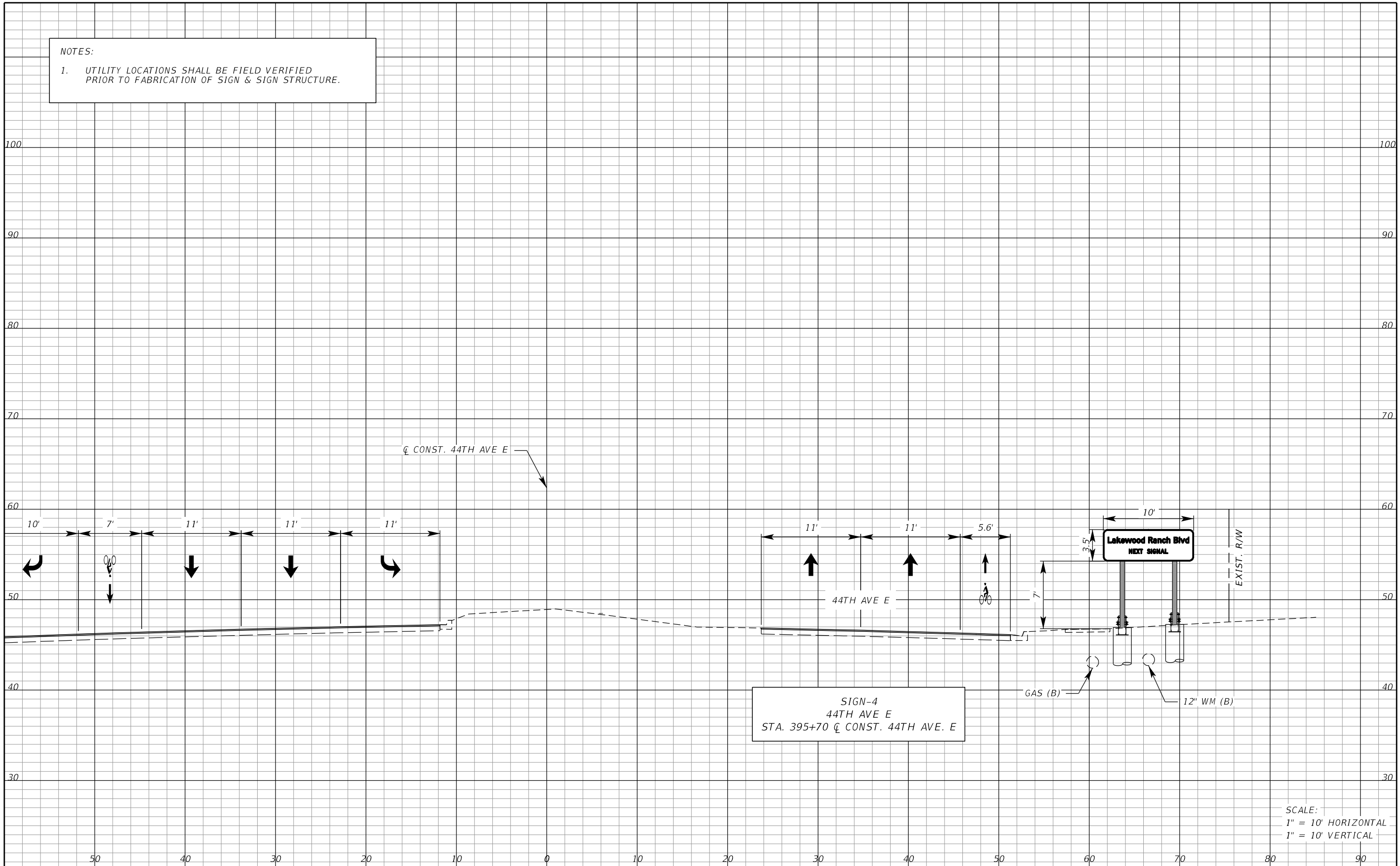
NO. OF LIGHT FIXTURES	FIXTURE SPACING	PHOTOMETRIC CURVE	WATT	VOLTAGE

COPY	SPACE														

COPY	SPACE														

		SCALE	AS NOTED	HDR ENGINEERING, INC.	DATE	02/2022	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	MICHAEL J. OATES	GUIDE SIGN WORKSHEET (2)	SHEET NO.
		DESIGNED BY	MO	2601 CATTLEMEN ROAD, SUITE 400	PROJECT NO.	6045662		FL. LICENSE NO.	49282		S-27
		DRAWN BY	VD	SARASOTA, FLORIDA 34232							
		CHECKED BY	LR								
No.	REVISIONS			DATE	BY	LR	12:54:17 PM	2/22/2022	PW:\		

NOTES:
 1. UTILITY LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION OF SIGN & SIGN STRUCTURE.



SIGN-4
 44TH AVE E
 STA. 395+70 \bar{C} CONST. 44TH AVE. E

SCALE:
 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

SCALE AS NOTED		HDR ENGINEERING, INC.		DATE 02/2022		DESIGN ENGINEER MICHAEL J. OATES		SHEET NO.	
DESIGNED BY MO		2601 CATTLEMEN ROAD, SUITE 400		PROJECT NO. 6045662		FL. LICENSE NO. 49282		S-28	
DRAWN BY VD		SARASOTA, FLORIDA 34232		12:27:00 PM		PW:\			
CHECKED BY LR				2/22/2022					
No.	REVISIONS	DATE	BY						

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