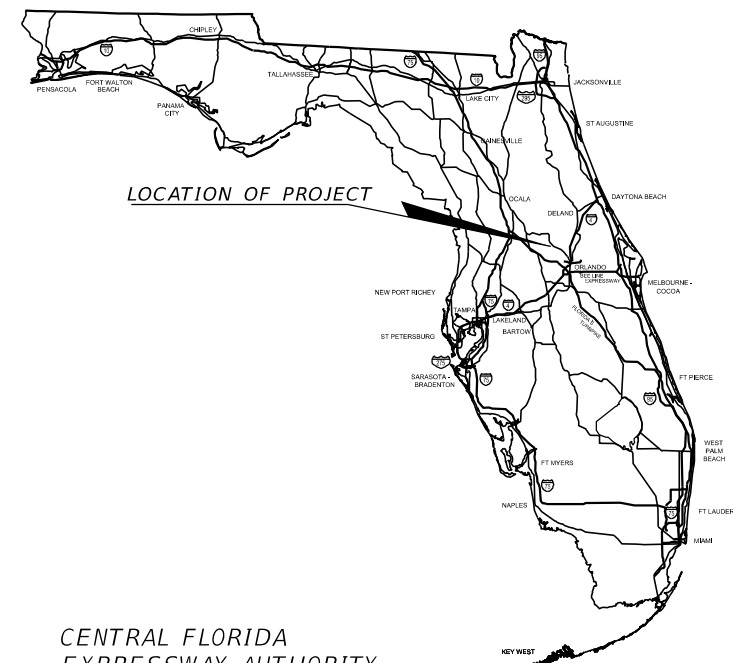


**CENTRAL FLORIDA
EXPRESSWAY AUTHORITY**

**SR 453 (WEKIVA PARKWAY)
FROM SYSTEM INTERCHANGE
TO SR 46**

**LAKE COUNTY
CFX PROJECT NUMBER: 429-206**

SIGNING AND PAVEMENT MARKING PLANS



CENTRAL FLORIDA
EXPRESSWAY AUTHORITY
BOARD MEMBERS

WELTON G. CADWELL
S. SCOTT BOYD
BRENDA CAREY
BUDDY DYER
FRED HAWKINS, JR.
TERESA JACOBS
ANDRIA HERR
JAY MADARA
S. MICHAEL SCHEERINGA

CHAIRMAN
VICE CHAIRMAN
SECRETARY/TREASURER
EX-OFFICIO, CITY OF ORLANDO MAYOR
BOARD MEMBER
EX-OFFICIO, ORANGE COUNTY MAYOR
BOARD MEMBER
BOARD MEMBER
BOARD MEMBER

**INDEX OF SIGNING AND
PAVEMENT MARKING PLANS**

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2 TO S-4	TABULATION OF QUANTITIES
S-5 TO S-7	GENERAL NOTES
S-8 TO S-29	PLAN SHEETS
S-30	STRIPING TRANSITION DETAIL
S-31 TO S-41	GUIDE SIGN WORKSHEETS
S-42	MULTI-POST SIGN TABLE OF VARIABLES
S-43 TO S-53	AUTHORITY SIGN DETAILS
S-54 TO S-62	SIGN CROSS SECTIONS
S-63	TABLE OF SPAN SIGN STRUCTURE VARIABLES
S-64	TABLE OF CANTILEVER SIGN STRUCTURE VARIABLES
S-65	SPAN AND CANTILEVER SIGN STRUCTURES BASE PLATE GROUTING DETAIL
GS-1 TO GS-4	REPORT OF SPT BORING FOR SIGN POLES

SIGNING AND PAVEMENT MARKING PLANS
SHOP DRAWINGS
TO BE SUBMITTED TO:
CARLOS MARTINEZ, P.E.
941 LAKE BALDWIN LANE,
ORLANDO, FL 32814
(407) 896-0594

PLANS PREPARED BY:



DRMP, INC.
941 LAKE BALDWIN LANE
ORLANDO, FLORIDA 32814
(407) 896-0594 CERT. OF AUTH. NO. 2648

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

B.M. DATUM: NAVD-'88

APPROVED _____ DATE / /

CENTRAL FLORIDA
EXPRESSWAY AUTHORITY

SIGNING AND PAVEMENT
MARKING PLANS
ENGINEER OF RECORD: CARLOS MARTINEZ, P.E.

P.E. NO.: 51429

FISCAL YEAR	SHEET NO.
	S-1

KEY SHEET REVISIONS	
DATE	DESCRIPTION

**PRE-BID SUBMITTAL
OCTOBER 2015**

CFX PROJECT MANAGER: GLENN PRESSIMONE, P.E.

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																		TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET		
			S-8		S-9		S-10		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	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL							
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	2							2								2				6					
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	1											4		5		2				12					
700-1-13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS																									
700-1-22	SINGLE POST SIGN, F&I BARRIER MOUNT, INDEX 11871, 12-20 SF	AS																									
700-1-60	SINGLE POST SIGN, REMOVE	AS																									
700-1-74	SINGLE POST SIGN, F&I CUSTOM, 31+ SF	AS																		1		1					
700-2-13	MULTI-POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS			1																	1					
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				1		1		1				5					
700-2-18	MULTI-POST SIGN, F&I GROUND MOUNT, 301-400 SF	AS																									
700-3-201C	SIGN PANEL, F&I OVERHEAD MOUNT, UP TO 12 SF, BRIDGE MOUNTED LOGO	EA																		2		2					
700-3-224	SIGN PANEL, F&I OVERHEAD MOUNT, UP TO 50 SF WITH LIGHTING	EA																									
700-3-225	SIGN PANEL, F&I OVERHEAD MOUNT, 51-100 SF WITH LIGHTING	EA																									
700-3-226	SIGN PANEL, F&I OVERHEAD MOUNT, 101-200 SF WITH LIGHTING	EA																									
700-3-227	SIGN PANEL, F&I OVERHEAD MOUNT, 201-300 SF WITH LIGHTING	EA																									
700-3-228	SIGN PANEL, F&I OVERHEAD MOUNT, 301-400 SF WITH LIGHTING	EA																		1		1					
700-3-230	SIGN PANEL, F&I OVERHEAD MOUNT, 501-600 SF WITH LIGHTING	EA															1					1					
700-3-231	SIGN PANEL, F&I OVERHEAD MOUNT, 601 SF AND GREATER WITH LIGHTING	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																									
700-4-115	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 51-100 FT	EA																		1		1					
700-4-125	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 51-100 FT	EA			1											1						2					
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA																									
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA																									
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	EA																									
	W-R		48		72		72		72		72		68		72		68		72		82	698					
	Y-R																				8	8					
	Y-Y																										
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF																									
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"	LF																									
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	LF																									
711-11-151	THERMO, STD, WHITE, 6" 2'-4' GUIDELINE	LF																									
	6'-10' SKIP																										
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE "MERGE" "ONLY"	EA																									
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW LEFT / RIGHT	EA																									
	MERGE																										
	WRONG WAY																										
	BIKE																										
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	LF																									
711-11-251	THERMO, STD, YELLOW, 6-10 GAP EXTENSION, 6"	LF																									
711-14-160	THERMO, PREFORMED, WHITE, MESSAGE, "BIKE SYMBOL"	EA																									
711-16-111	THERMO, STD- OTHER SURFACES, WHITE, SOLID, 6"	NM																									
711-16-112	THERMO, STD- OTHER SURFACES, WHITE, SOLID, 8"	NM																									
711-16-131	THERMO, STD- OTHER SURFACES, WHITE, SKIP, 6" (10'-30')	GM																									
711-16-211	THERMO, STD- OTHER SURFACES, YELLOW, SOLID, 6"	NM																									
713-102-122	PREFORMED TAPE, HP, WHITE, SOLID, 8" (PPRT)	LF																			196	196					
713-102-125	PREFORMED TAPE, HP, WHITE, SOLID, 18" (PPRT)	LF																			14	14					
713-102-211	PREFORMED TAPE, HP, YELLOW, SOLID, 6" (PPRT)	NM	0.189		0.265		0.265		0.265		0.265		0.265		0.265		0.265		0.265		0.265	2.574					
713-102-222	PREFORMED TAPE, HP, YELLOW, SOLID, 8" (PPRT)	LF																									
713-102-225	PREFORMED TAPE, HP, YELLOW, SOLID, 18" (PPRT)	LF																									
713-102-513	PREFORMED TAPE, HP, B/W CONTRAST, SOLID, 9" (PPRT)	NM	0.189		0.265		0.265		0.265		0.265		0.265		0.265		0.265		0.265		0.265	2.574					
713-102-533	PREFORMED TAPE, HP, B/W CONTRAST, SKIP, 9" (10'-30'XPPRT)	GM	0.379		0.530		0.530		0.530		0.530		0.530		0.530		0.530		0.530		0.512	5.131					

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

TABULATION OF QUANTITIES

SHEET NO.
S-2

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																		TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET		
			S-18		S-19		S-20		S-21		S-22		S-23		S-24		S-25		S-26		S-27		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, UP TO 12 SF	AS			2		5		6		4				4		2		2		3		28				
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	2				1				2				2		1		1		1		10				
700-1-13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS													2								2				
700-1-22	SINGLE POST SIGN, F&I BARRIER MOUNT, INDEX 11871, 12-20 SF	AS	1				4		5		2												12				
700-1-60	SINGLE POST SIGN, REMOVE	AS													2								10				
700-1-74	SINGLE POST SIGN, F&I CUSTOM, 31+ SF	AS																									
700-2-13	MULTI-POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS																									
700-2-15	MULTI-POST SIGN, F&I GROUND MOUNT, 51-100 SF	AS													1						1		2				
700-2-16	MULTI-POST SIGN, F&I GROUND MOUNT, 101-200 SF	AS																									
700-2-18	MULTI-POST SIGN, F&I GROUND MOUNT, 301-400 SF	AS													1								1				
700-3-201C	SIGN PANEL, F&I OVERHEAD MOUNT, UP TO 12 SF, BRIDGE MOUNTED LOGO	EA																									
700-3-224	SIGN PANEL, F&I OVERHEAD MOUNT, UP TO 50 SF WITH LIGHTING	EA																					1				
700-3-225	SIGN PANEL, F&I OVERHEAD MOUNT, 51-100 SF WITH LIGHTING	EA													1								2				
700-3-226	SIGN PANEL, F&I OVERHEAD MOUNT, 101-200 SF WITH LIGHTING	EA						1				2											3				
700-3-227	SIGN PANEL, F&I OVERHEAD MOUNT, 201-300 SF WITH LIGHTING	EA						1				1											3				
700-3-228	SIGN PANEL, F&I OVERHEAD MOUNT, 301-400 SF WITH LIGHTING	EA																					2				
700-3-230	SIGN PANEL, F&I OVERHEAD MOUNT, 501-600 SF WITH LIGHTING	EA	1																				1				
700-3-231	SIGN PANEL, F&I OVERHEAD MOUNT, 601 SF AND GREATER WITH LIGHTING	EA																									
700-4-112	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 21-30 FT	EA																					1				
700-4-113	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 31-40 FT	EA																									
700-4-115	OVERHEAD STATIC SIGN STRUCTURE, F&I, CANTILEVER, 51-100 FT	EA																									
700-4-125	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 51-100 FT	EA	1																				1				
700-4-126	OVERHEAD STATIC SIGN STRUCTURE, F&I, SPAN, 101-150 FT	EA																					2				
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA					22		32		20		4		24								134				
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	EA																									
	W-R		121		64		50		49		133		32		196		72		27		12		756				
	Y-R		49		36		34		32		35				32		16						234				
	Y-Y																						104				
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF													215								215				
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"	LF																					41				
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	LF													294								294				
711-11-151	THERMO, STD, WHITE, 6" 2'-4' GUIDELINE	LF																									
	6'-10' SKIP																						142				
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE	EA																					30				
	"MERGE"														1		1		1		1		4				
	"ONLY"										14				2								16				
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA																									
	LEFT / RIGHT										12		1		6		3		2				24				
	MERGE																2		1		1		4				
	WRONG WAY										3				1								4				
	BIKE												1		5		1		2				9				
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	LF																					165				
711-11-251	THERMO, STD, YELLOW, 6-10 GAP EXTENSION, 6"	LF																					72				
711-14-160	THERMO, PREFORMED, WHITE, MESSAGE, "BIKE SYMBOL"	EA													1		5		1		2		9				
711-16-111	THERMO, STD- OTHER SURFACES, WHITE, SOLID, 6"	NM													0.108		0.397		0.349		0.294		1.349				
711-16-112	THERMO, STD- OTHER SURFACES, WHITE, SOLID, 8"	NM													0.005								0.069				
711-16-131	THERMO, STD- OTHER SURFACES, WHITE, SKIP, 6" (10'-30')	GM													0.152		0.313		0.268		0.130		0.863				
711-16-211	THERMO, STD- OTHER SURFACES, YELLOW, SOLID, 6"	NM													0.076		0.241		0.265		0.328		1.296				
713-102-122	PREFORMED TAPE, HP, WHITE, SOLID, 8" (PPRT)	LF	385												196								1613				
713-102-125	PREFORMED TAPE, HP, WHITE, SOLID, 18" (PPRT)	LF	163												38								676				
713-102-211	PREFORMED TAPE, HP, YELLOW, SOLID, 6" (PPRT)	NM	0.370		0.265		0.265		0.265		0.265						0.036		0.051				1.517				
713-102-222	PREFORMED TAPE, HP, YELLOW, SOLID, 8" (PPRT)	LF															428		186				614				
713-102-225	PREFORMED TAPE, HP, YELLOW, SOLID, 18" (PPRT)	LF															278		83				361				
713-102-513	PREFORMED TAPE, HP, B/W CONTRAST, SOLID, 9" (PPRT)	NM	0.368		0.265		0.265		0.265		0.398						0.193		0.086				1.840				
713-102-533	PREFORMED TAPE, HP, B/W CONTRAST, SKIP, 9" (10'-30'XPPRT)	GM	0.399		0.265		0.265		0.265		0.113								0.049				1.356				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206


CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

TABULATION OF QUANTITIES

SHEET NO.
S-3

SIGNING GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL SIGNS. SHOP DRAWINGS SHALL INCLUDE VHB CALCULATIONS FOR ALL STANDARD AND NON-STANDARD GROUND MOUNTED SIGNS, SINGLE AND MULTI-POST.
2. ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED. ANY SIGNS SCHEDULED TO BE RELOCATED OR TO REMAIN THAT ARE DAMAGED DURING THE CONSTRUCTION PROCESS SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
3. CONTRACTOR SHALL MAINTAIN ALL EXISTING HOMELAND SECURITY SHELTER SIGNING THROUGHOUT THE ENTIRE DURATION OF CONSTRUCTION.
4. ALL EXISTING SIGNS ARE TO REMAIN VISIBLE UNTIL SUCH TIME AS THE PROPOSED SIGN ASSEMBLY INSTALLATION IS COMPLETED.
5. EXCEPT WHERE NOTED, CODE NUMBER AND SIGN LISTED ARE STANDARD AS SHOWN IN MUTCD 2009 AND STANDARD HIGHWAY SIGNS MANUAL, FHWA, 2004 WITH THE 2012 SUPPLEMENT.
6. THE CONTRACTOR SHALL ESTABLISH, STAKE AND PAINT SIGN LOCATIONS WITH THE USE OF A FLORIDA REGISTERED LAND SURVEYOR. IF THE STAKES AND/OR PAINTED MARKS ARE OBLITERATED DURING THE CONSTRUCTION PROCESS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE SIGN LOCATIONS RE-ESTABLISHED BY A FLORIDA REGISTERED LAND SURVEYOR. NO ADDITIONAL PAYMENT WILL BE ALLOWED.
7. SIGN ASSEMBLY LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, PUBLIC SIDEWALK CURB RAMPS, ETC. MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE CEI. THE ENGINEER OF RECORD MUST APPROVE EXTREME LOCATION CHANGES. IN ALL CASES ROADWAY SAFETY SHALL NOT BE COMPROMISED AND ADA REQUIREMENTS FOR UNOBSTRUCTED PEDESTRIAN PATHS SHALL BE SATISFIED.
8. THE CONTRACTOR SHALL SET ROADWAY GROUND MOUNT SIGNS AT PROPER DEFLECTION ANGLE TO THE ROADWAY IN ACCORDANCE WITH FDOT INDEX 17302, UNLESS NOTED OTHERWISE IN THE PLANS.
9. THE CEI SHALL APPROVE COMMON POST MOUNTING OF REGULATORY SIGN PANELS PRIOR TO ASSEMBLY INSTALLATION. NO SIGNS SHALL BE MOUNTED BACK TO BACK WITH STOP OR YIELD SIGNS.
10. CARE SHALL BE TAKEN THAT OVERHEAD PANELS ARE POSITIONED OVER THE LANE(S) TO WHICH THEY APPLY AND AS SHOWN IN THE PLANS. THE CEI SHALL APPROVE THE LOCATIONS ALONG THE TRUSS PRIOR TO INSTALLATION.
11. MILEPOST MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH THE VERTICAL CLEARANCE CRITERIA IN FDOT INDEX 17302 REGARDLESS OF LOCATION, I.E. ROADSIDE OR TOP OF BARRIER WALL.
12. THE CONTRACTOR SHALL COMPLETELY FILL IN ALL HOLES WITH SELECT MATERIALS IN 12" LIFTS AND SOD GROUND MOUNT AND OVERHEAD SIGN REMOVAL LOCATIONS WITHIN 24 HOURS. FOUNDATIONS FOR ALL OVERHEAD SIGN STRUCTURES SHALL BE REMOVED 36" BELOW THE GROUND SURFACE. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO SIGN REMOVAL. FINAL WORK ITEMS MAY ONLY BE DEFERRED AT THE DIRECTION OF THE CEI.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORK, WHEN NECESSARY, TO MEET ALL EROSION CONTROL CRITERIA AS REQUIRED IN THE SPECIFICATIONS. AN EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE CEI FOR APPROVAL PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY. PAYMENT FOR ALL EROSION CONTROL WORK AND MATERIALS SHALL BE CONSIDERED INCIDENTAL TO THE UNIT COST OF THE SIGN ASSEMBLY.
14. ALL MISCELLANEOUS WORK NECESSARY IN THE SHOULDER AREA TO CONSTRUCT AND/OR REMOVE SIGNS (I.E. GRADING, SODDING, CLEARING AND GRUBBING, GUARDRAIL RE-SETTING OR FENCE RE-SETTING) IS CONSIDERED INCIDENTAL, AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE SIGN ASSEMBLY. ALL DISTURBED AREAS SHALL BE SODDED. THE CONTRACTOR SHALL HAUL ALL EXCESS EXCAVATION AND WASTE MATERIALS OFF-SITE. REMOVAL OF THESE MATERIALS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE SIGN ASSEMBLY.
15. EXISTING SIGNS TO BE REMOVED SHALL BE MEASURED AND PAID FOR BY THE POST ASSEMBLY REGARDLESS OF THE NUMBER OF EXISTING PANELS ATTACHED.
16. EXISTING SIGN PANELS AND/OR SIGN ASSEMBLIES TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF AT HIS EXPENSE EXCEPT WHERE SPECIFIED IN THE PLANS OR SPECIAL PROVISIONS. ALL SIGN ASSEMBLIES SCHEDULED FOR REMOVAL SHALL BE TAKEN OFF THE PROJECT SITE BY THE CONTRACTOR WITHIN 48 HOURS OF REMOVAL.
17. THE CONTRACTOR SHALL VERIFY FIELD ELEVATIONS FOR VERTICAL SUPPORTS FOR ALL SIGNS PRIOR TO FABRICATION.
18. SIGN ITEMS 700-4-ABC: DESIGN WIND LOADS TO BE USED IN THE DESIGN SHALL BE BASED ON BASIC WIND SPEED OF 130 MPH AS SHOWN IN THE FDOT DESIGN STANDARDS. IN ACCORDANCE WITH FDOT STRUCTURES MANUAL, THE STRUCTURES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE LATEST FDOT DESIGN STANDARDS, INDEX DRAWINGS AND THE FOLLOWING REQUIREMENTS:
 - A) INCREASE THE PROPOSED SIGN PANEL DEPTH BY 20% FOR DESIGN WITH THE FUTURE PANEL(S) ASSUMED TO BE BOTTOM JUSTIFIED ON THE TRUSS. WHEN THE SPAN TRUSS IS TO ACCOMMODATE PANEL(S) OVER ONLY ONE DIRECTION OF TRAVEL, A FUTURE PANEL, INCLUDING EXIT NUMBER, SHALL BE CONSIDERED OVER THE OPPOSITE ROADWAY FOR THE PURPOSE OF PROVIDING MAXIMUM FLEXIBILITY FOR FUTURE USE.
 - B) SPAN TYPE STRUCTURES SHALL MEET THE CRITERIA A.) ABOVE OR THE FDOT STRUCTURES MANUAL CRITERIA FOR URBAN AREAS, WHICHEVER GOVERNS.
 - C) CANTILEVER ARM LENGTHS AND UPRIGHT HEIGHTS WERE DETERMINED BASED ON INITIAL SIGN CONFIGURATION. INITIAL PANEL SHALL BE POSITIONED TO MATCH THE END OF THE CANTILEVER ARM FOR AESTHETICS.
 - D) FOUNDATION DETAILING SHALL BE ACCORDING TO FDOT INDEX 11310 OR 11320, EXCEPT THE DRILLED SHAFT OR PEDESTAL SHALL EXTEND A MINIMUM 3 INCHES ABOVE THE GROUND LINE OR THE DESIGN HIGH WATER LINE AND A 3 INCH GROUT PAD SHALL BE UTILIZED FOR ALL OVERHEAD SIGN STRUCTURES.
 - E) CANTILEVER ARM LENGTHS WERE DETERMINED BASED ON THE INITIAL SIGN CONFIGURATION. THE 20% INCREASED SIGN PANEL AREAS ARE NOT SHOWN ON THE CROSS SECTIONS. ANY FUTURE PANELS SHOWN ON THE CROSS SECTIONS WERE FOR STRUCTURE DESIGN PURPOSES ONLY AND ARE NOT PART OF THIS CONTRACT.
19. PRIOR TO ERECTION OF ANY OVERHEAD SIGN STRUCTURES, THE AS-BUILT LOCATION OF THE ANCHOR BOLTS SHALL BE SURVEYED BY A FLORIDA REGISTERED LAND SURVEYOR AND SUBMITTED IN A WRITTEN REPORT TO THE CEI FOR APPROVAL. COST TO BE CONSIDERED INCIDENTAL TO THE UNIT PRICE OF THE SIGN ASSEMBLY.
20. DUE TO THE TIMING OF ADJACENT CONTRACTS, THE CEI MAY DIRECT THE CONTRACTOR TO DELAY INSTALLATION OF CERTAIN PANELS. PANELS SHALL NOT BE INSTALLED AND COVERED WITHOUT PRIOR APPROVAL FROM THE AUTHORITY. NO ADDITIONAL PAYMENT WILL BE PERMITTED.
21. STEEL AND ALUMINUM POST SIZES ARE SHOWN IN THE PLANS FOR MULTI-POST MOUNTED SIGNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY POST SIZES AND LENGTHS PRIOR TO FABRICATION. THE CONTRACTOR MAY USE AN ALTERNATE POST MATERIAL UPON PROVIDING ADEQUATE JUSTIFICATION TO THE PROJECT ENGINEER. THE SAME POST MATERIAL AND SHAPE, IF APPLICABLE, SHALL BE USED THROUGHOUT THE ENTIRE PROJECT.
22. ALL SUPPORT COLUMNS FOR OVERHEAD SIGN STRUCTURES SHALL BE PAINTED WHEN PROJECT REACHES SUBSTANTIAL COMPLETION. PAINTING SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISION AND PLAN DETAIL(S). PAYMENT FOR PAINTING PROPOSED UPRIGHTS SHALL BE CONSIDERED INCIDENTAL TO STRUCTURE INSTALLATION. SEE SPECIAL PROVISIONS.
23. SIGN STRUCTURE UPRIGHT SURFACES SHALL BE PREPARED IN ACCORDANCE WITH THE SPECIAL PROVISIONS BEFORE PAINTING. ALL BOLTS, CROSS BRACE DIAGONALS AND FLANGES NOTED ON THE PLANS DETAIL SHEET(S) SHALL BE THOROUGHLY CLEANED AND FREE OF DEBRIS BEFORE PRIMER AND FINISHED COAT(S) ARE APPLIED.
24. THE CONTRACTOR SHALL REMOVE AND REINSTALL ALL EQUIPMENT ATTACHED TO SIGN UPRIGHTS PRIOR TO BEGINNING THE PAINTING PROCESS. EQUIPMENT SHALL INCLUDE BUT IS NOT LIMITED TO ELECTRICAL DISCONNECT SWITCH BOXES, ELECTRICAL AND/OR FOM CONDUIT, DMS CONTROLLER BOXES, ANTENNAE, ETC. ANY EQUIPMENT DAMAGED DURING THE PAINTING PROCESS SHALL BE REPAIRED OR REPLACED IN KIND BY THE CONTRACTOR AT HIS EXPENSE. ALL REPAIRS SHALL MEET THE SATISFACTION OF THE ENGINEER OF RECORD.
25. NOT USED
26. NOT USED
27. ALL OVERHEAD SIGNS SHALL BE LIGHTED. SIGN LUMINAIRES SHALL BE AS NOTED IN THE LIGHTING PLANS ON THE GENERAL NOTES AND LEGEND SHEET. SEE THE SIGN AND UNDERDECK LUMINAIRE DATA SHEET.
28. TOP MOUNTED LUMINAIRES SHALL NOT BE ALLOWED ON THE MAINLINE OR RAMPS WITHIN THE AUTHORITY'S JURISDICTION.
29. THE CONTRACTOR SHALL PROVIDE WIRING AND PULL BOXES (AS NECESSARY) TO ALL FUTURE SIGN PANEL POSITIONS AND CAP OFF IN THE CONNECTOR BOX.
30. NOT USED
31. THE SIGN LIGHTING LUMINAIRES SHALL BE "NIGHT AIMED" TO ASSURE PROPER ILLUMINATION OF THE SIGN SURFACE. THE LUMINAIRES MUST BE AT AN ANGLE SUFFICIENT TO PREVENT THEM FROM SHINING INTO THE FACES OF DRIVERS TRAVELING IN THE OPPOSITE DIRECTION.
32. SIGN LIGHTING LUMINAIRES MAY REQUIRE SHIELDING TO PREVENT GLARE INTO NEIGHBORING RESIDENTIAL PROPERTIES. WHEN INCLUDED IN PLANS THE CEI SHALL FIELD VERIFY AND DOCUMENT NEED FOR SHIELDING PRIOR TO INSTALLATION. THE CEI SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD FOR RESOLUTION. COST OF SHIELDING SHALL BE CONSIDERED INCIDENTAL TO THE SIGN ASSEMBLY OR NEW SIGN LUMINAIRE INSTALLATION AS APPROPRIATE.
33. THE CONTRACTOR SHALL ENERGIZE OVERHEAD SIGN LUMINAIRES WITHIN 24 HOURS OF INSTALLATION.
34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATIONS OF EXISTING ROADWAY LIGHTING CONDUIT PRIOR TO INSTALLATION OF ROADWAY SIGNAGE.
35. A SEPARATE GROUNDING ELECTRODE AND PULL BOX IS REQUIRED PER UPRIGHT OF EACH NEW CANTILEVER. TWO SEPARATE GROUNDING ELECTRODES AND PULL BOXES ARE REQUIRED PER UPRIGHT ON EACH NEW SPAN TRUSS STRUCTURE. PAYMENT SHALL BE INCIDENTAL TO COST OF STRUCTURE. INSTALLATION SHALL BE IN ACCORDANCE WITH FDOT INDEX 17505 WITH A MINIMUM REQUIRED LENGTH OF 20 LINEAR FEET AND A MEASURED RESISTANCE OF 25 OHMS OR LESS. ALL CONNECTIONS SHALL BE EXOTHERMICALLY WELDED.
36. FOR LOCATIONS THAT REQUIRE A GROUNDING ELECTRODE ARRAY (AS DETERMINED BY THE CEI), A SEPARATE PULL BOX SHALL BE INSTALLED FOR EACH ELECTRODE WITHIN THE ARRAY AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE SIGN ASSEMBLY.
37. 3M SCOTCH BRAND VERY HIGH BOND (VHB) ACRYLIC FOAM TAPE NUMBER 4950 OR THE AUTHORITY'S APPROVED EQUAL IN COMBINATION WITH MECHANICAL FASTENERS SHALL BE USED TO ATTACH PANELS TO WIND BEAMS, BRACKETS AND SPLICE PLATES ON ALL SINGLE AND MULTI-POST SIGN ASSEMBLIES. CONTRACTOR SHALL MEET ALL 3M REQUIREMENTS FOR PROPER INSTALLATION OF VHB. VHB TAPE SHALL NOT BE REUSED ONCE INSTALLED. DESIGN SHALL MEET MOST CURRENT FDOT WIND LOAD CRITERIA. SEE SPECIAL PROVISIONS.

REVISIONS				 DRMP ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS DRMP, INC. 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814 PHONE: (407) 896-0594 FAX: (407) 896-4836 CERTIFICATE OF AUTHORIZATION NO. 2648 CARLOS MARTINEZ, P.E. LICENSE NO. 51429	CFX PROJ. NO.	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		429-206			5-5

38. MECHANICAL FASTENERS USED TO ATTACH SIGN PANELS TO WIND BEAMS, BRACKETS AND SPLICE PLATES FOR ALL OVERHEAD AND GROUND MOUNTED PANELS SHALL BE COUNTERSUNK SCREWS.
39. THE CONTRACTOR SHALL PATCH ALL COUNTERSUNK SCREWS ON ALL NEW SIGN FACES. RIVETS ON OVERLAYS AND/OR DEMOUNTS SHALL BE PAINTED WITH COLOR TO MATCH SHEETING AT RIVET LOCATION. SEE SPECIAL PROVISIONS.
40. NOT USED
41. NOT USED
42. NOT USED
43. NOT USED
44. NOT USED
45. UTILITY LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. SEE UTILITY ADJUSTMENT PLANS. THERE MAY BE ADDITIONAL UTILITIES WITHIN THE CONSTRUCTION AREAS WHICH ARE NOT SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION AND OWNERSHIP OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITY.
46. THE AUTHORITY'S FIBER OPTIC TONE WIRE, CONDUIT, AND LOCATE TAPE WITHIN FIVE (5) FEET OF MULTI-POST AND OVERHEAD SIGN STRUCTURES SHALL BE MANUALLY LOCATED VIA SOFT DIG EXCAVATION PRIOR TO THE CONSTRUCTION OF PROPOSED SIGN STRUCTURES.
47. VEGETATION SHALL BE REMOVED OR CUT BACK AS DIRECTED BY THE CEI TO PROVIDE ADEQUATE SIGHT DISTANCE FOR ALL OVERHEAD AND GROUND MOUNTED SIGNS. VEGETATION REMOVAL AND TRIMMING SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE OF THE SIGN ASSEMBLY.
48. NOT USED
49. NOT USED
50. AT LOCATIONS WITHIN PLANNED LANDSCAPING AREAS (BY OTHERS), THE CONTRACTOR SHALL COMPLETE ALL WORK (I.E. GRADING, CLEAN-UP, ETC.) IMMEDIATELY UPON INSTALLATION OF SIGN ASSEMBLY SUCH THAT LANDSCAPING FEATURES MAY BE INSTALLED. FINAL WORK ITEMS MAY ONLY BE DEFERRED AT THE DIRECTION OF THE CEI.
51. ALL NEW SIGN PANELS REGARDLESS OF MOUNTING (OVERHEAD, SINGLE POST OR MULTI-POST) SHALL BE A MINIMUM OF 0.125 INCHES THICK. ALL SIGN OVERLAYS SHALL BE A MINIMUM OF 0.08 INCHES THICK. EXTRUDED PANELS SHALL NOT BE ALLOWED.
52. ALL ROADWAY AND TOLL COLLECTION POINT SIGN PANELS REGARDLESS OF LOCATION, MOUNTING TYPE (OVERHEAD, SINGLE OR MULTI-POST) OR LIGHTING SHALL BE FABRICATED USING 3M DIAMOND GRADE CUBED (DG3) SHEETING OR THE AUTHORITY'S APPROVED EQUAL. WARNING SIGNS FOR LANE DROP (W4-2), LANE ENDS (W9-1, W9-2), REDUCE SPEED AHEAD (W3-5), CURVES AND PEDESTRIAN CROSSINGS SHALL BE 3M FLUORESCENT DG3 SHEETING OR THE AUTHORITY'S APPROVED EQUAL. SCHOOL CROSSING SIGNS (SI-1) AND SUPPLEMENTAL PLAQUES SHALL BE FABRICATED USING 3M DG3 FLUORESCENT YELLOW-GREEN SHEETING OR THE AUTHORITY'S APPROVED EQUAL.
53. THE COLOR(S) OF ALL PANELS POSITIONED ABOVE AND BELOW A ROUTE SHIELD (U.S., STATE, COUNTY AND TOLL) IN ROUTE MARKER ASSEMBLIES SHALL MATCH THE ASSOCIATED SHIELD.
54. NOT USED
55. NOT USED

56. A DECAL SHALL BE PROVIDED ON BACK OF ALL NEW PANELS AND OVERLAYS (FULL OR PARTIAL) REGARDLESS OF MOUNTING TYPE (OVERHEAD, SINGLE OR MULTI-POST). LETTERS SHALL BE BLACK AND LARGE ENOUGH TO BE CLEARLY LEGIBLE. LETTERS SHALL BE WHITE IF THE BACK OF THE PANEL HAS BEEN PAINTED BLACK. THE DECAL SHALL CONTAIN THE FOLLOWING INFORMATION:
CFX/PROJECT NUMBER
FABRICATOR'S INITIALS/DATE OF FABRICATION
SHEETING MANUFACTURER/NAME OF SHEETING
DATE OF INSTALLATION
57. THE SIGN PANEL FABRICATOR SHALL PROVIDE A COLOR PHOTOGRAPH OF THE ASSEMBLED PANEL FOR ALL MULTI-POST AND OVERHEAD MOUNTED SIGNS. PHOTOGRAPHS SHALL BE SUBMITTED TO THE CEI. THE CEI SHALL FORWARD A COPY OF THE PICTURES TO THE EOR AND THE AUTHORITY'S REPRESENTATIVE. THE CEI, EOR AND THE AUTHORITY'S REPRESENTATIVE SHALL APPROVE THE PHOTOS PRIOR TO SHIPMENT. DIGITAL FORMAT IS ACCEPTABLE; "JPG" FORMAT PREFERRED. PHOTO DETAIL AND RESOLUTION SHALL BE SUCH THAT REVIEWER WILL BE ABLE TO REASONABLY DETERMINE IF THE PANEL HAS BEEN FABRICATED IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. PHOTOGRAPHS WILL NOT BE REQUIRED FOR MULTI-POST ROUTE MARKER COMPONENT PANELS UNLESS THEY ARE SPECIAL DESIGN. ONLY ONE REPRESENTATIVE PHOTOGRAPH IS REQUIRED FOR MULTIPLE IDENTICAL SPECIAL DESIGN ROUTE MARKER COMPONENTS.
58. IF SIGN SHEETING, COLORS OR ADHESIVE TAPE MATERIALS ARE PROPOSED FOR USE OTHER THAN THE 3M PRODUCTS SPECIFIED IN THE GENERAL NOTES OR PLAN DETAILS, A 4" X 4" (SHEETING) OR 24" X 1" (TAPE) SAMPLE OF EACH IN ALL APPLICABLE COLORS SHALL BE SUBMITTED TO THE AUTHORITY FOR APPROVAL PRIOR TO FABRICATION OR USE. ALL SAMPLES SHALL INCLUDE MANUFACTURER'S INFORMATION INCLUDING, BUT NOT LIMITED TO, SPECIFICATIONS, WARRANTY AND LOCAL SITES WHERE PRODUCT IS CURRENTLY IN USE.
59. NOT USED
60. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILLING OUT THE COLUMN ENTITLED "AS-BUILT STATION" IN THE TABLE ON THE DETAIL SHEET FOR SPECIAL DESIGN MILE POSTS.
61. NOT USED


REVISIONS				 DRMP <small>ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS</small> <small>DRMP, INC.</small> <small>941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814</small> <small>PHONE: (407) 896-0594 FAX: (407) 896-4836</small> <small>CERTIFICATE OF AUTHORIZATION NO. 2648</small> <small>CARLOS MARTINEZ, P.E. LICENSE NO. 51429</small>	CFX PROJ. NO.	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		429-206			5-6

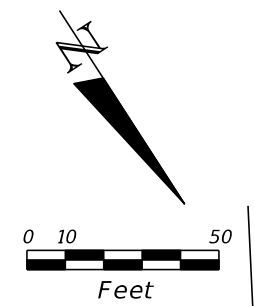
PAVEMENT MARKING GENERAL NOTES

1. STOP BARS, CROSSWALKS, STANDARD PAVEMENT MESSAGES AND STANDARD DIRECTIONAL ARROWS SHALL BE THERMOPLASTIC. ALL OTHER STRIPING WITHIN THE EXPRESSWAY AUTHORITY'S JURISDICTION SHALL BE 3M COMPANY SERIES 380IES OR THE AUTHORITY'S APPROVED EQUAL ON ASPHALT AND CONCRETE PAVEMENT, UNLESS OTHERWISE NOTED IN PLANS. THE OPTION LANE ARROW SHALL BE PERFORMED THERMOPLASTIC, PPRT, OR STANDARD THERMOPLASTIC AS APPROVED BY THE AUTHORITY.
2. ALL PAVEMENT MARKINGS ON SR 46 (CR 46) SHALL BE THERMOPLASTIC.
3. ALL MAINLINE AND RAMP SKIP LINES (10'-30') SHALL BE PERFORMED PATTERNED RETRO-REFLECTIVE CONTRAST TAPE (PPRT) CONSISTING OF A 6" WHITE TAPE BORDERED ON BOTH SIDES (LONGITUDINALLY) WITH A 1/2" MATTE BLACK CONTRASTING TAPE, FOR A TOTAL WIDTH OF 9".
4. WHITE EDGE LINES SHALL BE PERFORMED PATTERNED RETRO-REFLECTIVE CONTRAST TAPE (PPRT) CONSISTING OF A 6" WHITE TAPE BORDERED ON BOTH SIDES (LONGITUDINALLY) WITH A 1/2" MATTE BLACK CONTRASTING TAPE, FOR A TOTAL WIDTH OF 9".
5. RETROREFLECTIVE PAVEMENT MARKERS (RPMS) ARE TO BE PLACED ALONG THE ENTIRE LENGTH OF THE PROJECT IN ACCORDANCE WITH FDOT INDEX 17345, 17346 AND 17352, UNLESS OTHERWISE NOTED IN PLANS. ALL RPMS INSTALLED ALONG THE AUTHORITY'S MAINLINE AND ALONG RAMPS WITHIN THE AUTHORITY'S JURISDICTION SHALL BE 3M COMPANY SERIES 290 RPMS OR THE AUTHORITY'S APPROVED EQUAL.
6. REFLECTIVE PAVEMENT MARKER ADHESIVE FOR USE ON ASPHALT AND CONCRETE PAVEMENT SHALL BE BITUMINOUS MATERIAL UNLESS NOTED OTHERWISE IN THE SPECIAL PROVISIONS.
7. NOT USED
8. ANY EXISTING PAVEMENT MARKINGS, RPM'S OR DELINEATORS SCHEDULED TO REMAIN EITHER WITHIN OR BEYOND THE PROJECT LIMITS (INCLUDING MILLING AND RESURFACING), WHICH ARE DAMAGED DURING CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT HIS EXPENSE. LIMIT OF REPLACEMENT IF REQUIRED SHALL BE DETERMINED BY THE CEI.
9. ROADSIDE MOUNTED FLEXIBLE TUBULAR DELINEATORS SHALL BE "SAFE-HIT CORPORATION, TYPE 2 GUIDE POST (48" WITH FLATTENED TOP)" OR THE AUTHORITY'S APPROVED EQUAL.
10. NOT USED
11. PAVEMENT MARKINGS (I.E., EDGE LINES, CHANNELIZATION STRIPING, ETC.) SHALL NOT EXTEND THROUGH CROSSWALK AREAS.
12. NOT USED
13. THE CONTRACTOR SHALL NOT ABUT MULTIPLE STRIPES IN ORDER TO MEET THE SPECIFIED WIDTH (I.E., THREE 6" STRIPES TO MAKE ONE 18" STRIPE, ETC.). CONTRACTOR SHALL INSTALL ONE STRIPE OF THE SPECIFIED WIDTH.
14. NOT USED
15. IF DELINEATORS, RPMS OR PAVEMENT MARKING MATERIALS ARE PROPOSED FOR USE OTHER THAN THE PRODUCTS SPECIFIED IN THE GENERAL NOTES OR PLAN DETAILS, A SAMPLE OF EACH IN ALL APPLICABLE COLORS SHALL BE SUBMITTED TO THE AUTHORITY FOR APPROVAL PRIOR TO INSTALLATION. ALL SAMPLES SHALL INCLUDE MANUFACTURERS INFORMATION INCLUDING, BUT NOT LIMITED TO, SPECIFICATIONS, WARRANTY AND LOCAL SITES WHERE PRODUCT IS CURRENTLY IN USE.
16. NOT USED
17. NOT USED
18. NOT USED
19. NOT USED
20. NOT USED

PAY ITEM NOTES

1. NOT USED
2. 700-1-74: SIGNS ARE SPECIAL DESIGN SINGLE POST ASSEMBLIES. SEE STRUCTURAL DETAILS IN PLANS.
3. NOT USED
4. NOT USED
5. 700-3-20IC: SIGN PANEL TO BE MOUNTED FLUSH WITH BRIDGE GIRDER OR PARAPET WALL. SPACERS MAY BE REQUIRED BEHIND THE PANEL SUCH THAT FINAL SIGN FACE IS INSTALLED VERTICALLY PLUMB. ANY ALUMINUM SIGN SURFACE WHICH OTHERWISE COMES INTO CONTACT WITH CONCRETE SHALL BE COATED WITH AN ALKALI-RESISTANCE COATING. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CATALOG CUTS FOR ATTACHMENT METHOD. ALL ADDITIONAL ITEMS FOR A COMPLETE INSTALLATION SHALL BE INCIDENTAL TO THE SIGN PANEL.
6. 700-4-ABC: SIGN UPRIGHT PAINTING SHALL BE INCIDENTAL TO THE PROPOSED STRUCTURE INSTALLATION.
7. NOT USED
8. NOT USED
9. NOT USED
10. 711-1A-BCD: FOR LOCATIONS THAT REQUIRE THERMOPLASTIC PAVEMENT MARKINGS, PAINT SHALL BE USED FOR THE INITIAL APPLICATION TO ALLOW FOR A 30 DAY CURE TIME. INSTALLATION OF THE FINAL THERMOPLASTIC STRIPING SHALL BE AS DIRECTED BY THE AUTHORITY'S DIRECTOR OF CONSTRUCTION AND THE CEI. THE INITIAL PAINT APPLICATION SHALL BE INCIDENTAL TO THE THERMOPLASTIC PAY ITEM.
11. 713-1AA-BCD: PERFORMED TAPE SHALL BE 3M COMPANY 380IES OR AUTHORITY APPROVED EQUAL. SEE GENERAL NOTES.
12. NOT USED

REVISIONS				 ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS DRMP, INC. 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814 PHONE: (407) 896-0594 FAX: (407) 896-4836 CERTIFICATE OF AUTHORIZATION NO. 2648 CARLOS MARTINEZ, P.E. LICENSE NO. 51429	CFX PROJ. NO.	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		429-206			5-7

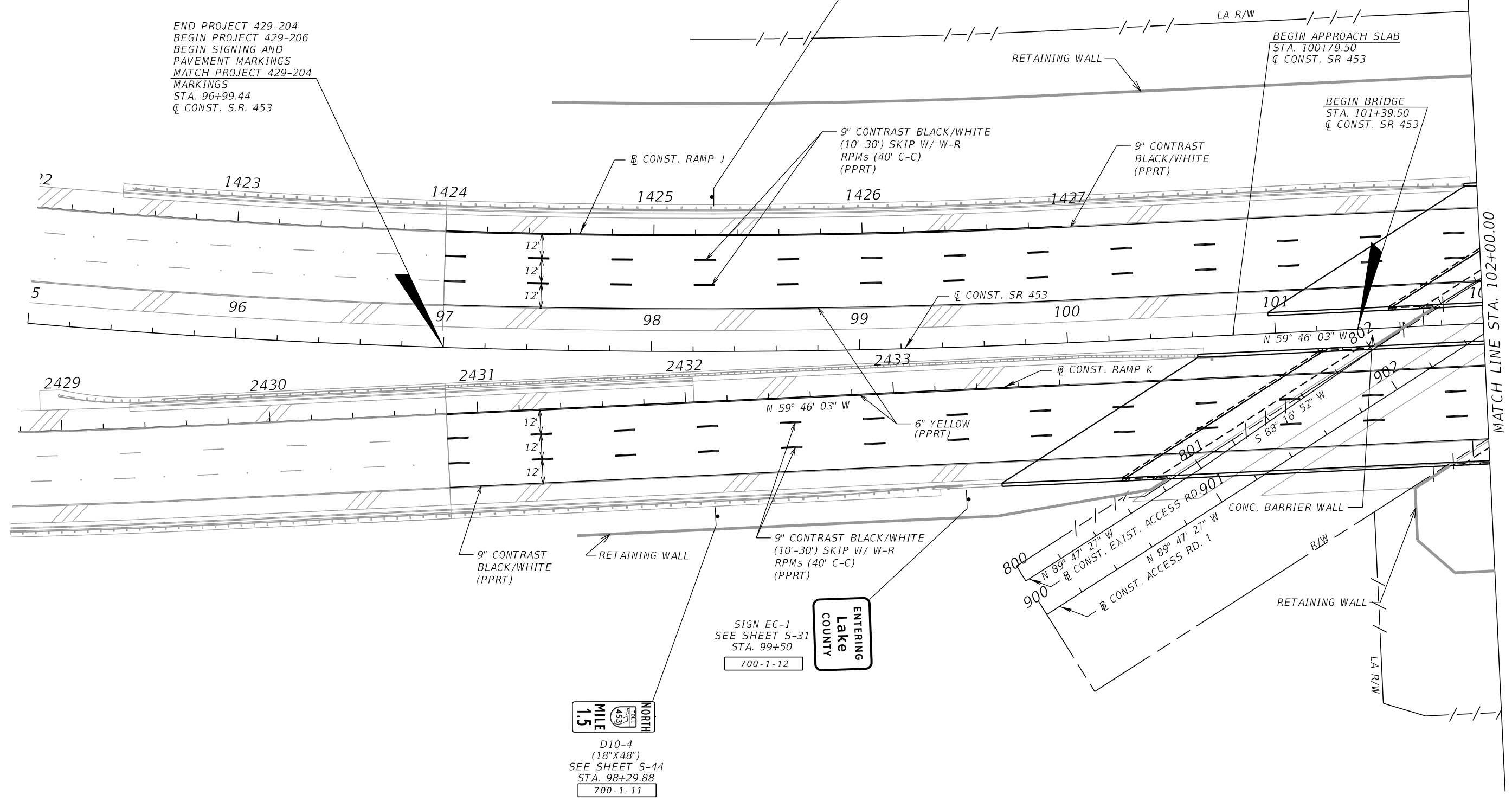


D10-4
(18"X48")
SEE SHEET S-44
STA. 98+29.88
700-1-11

END PROJECT 429-204
BEGIN PROJECT 429-206
BEGIN SIGNING AND
PAVEMENT MARKINGS
MATCH PROJECT 429-204
MARKINGS
STA. 96+99.44
CL CONST. S.R. 453

BEGIN APPROACH SLAB
STA. 100+79.50
CL CONST. SR 453

BEGIN BRIDGE
STA. 101+39.50
CL CONST. SR 453



SIGN EC-1
SEE SHEET S-31
STA. 99+50
700-1-12

ENTERING
Lake
COUNTY

NORTH
MILE
1.5
SR 453

D10-4
(18"X48")
SEE SHEET S-44
STA. 98+29.88
700-1-11

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

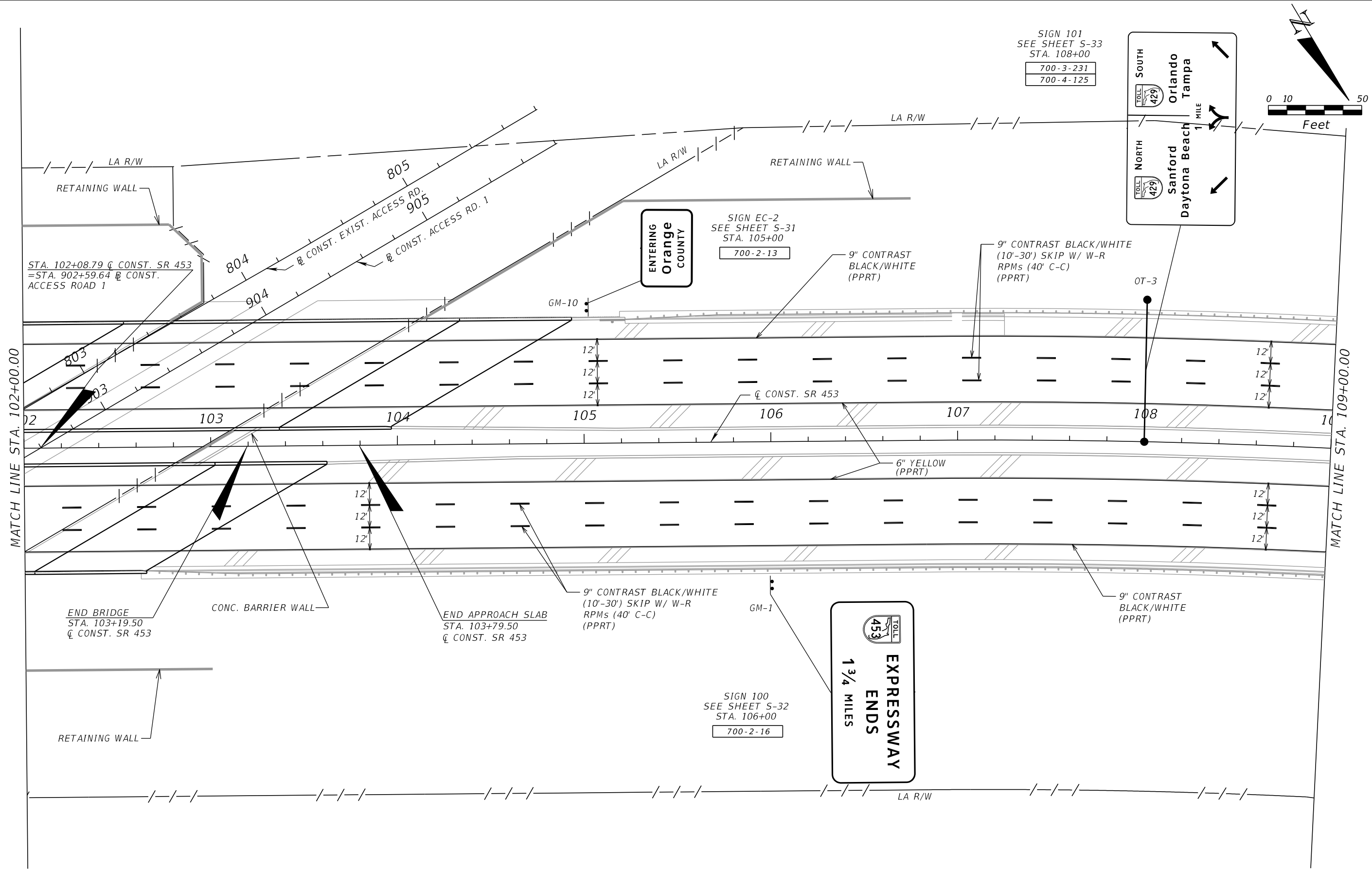
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

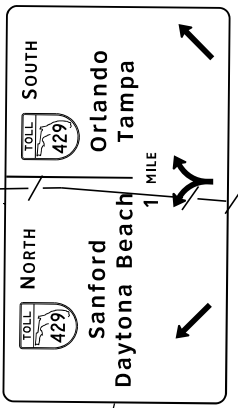
CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

PLAN SHEET 1
SR 453

SHEET NO.
S-8



SIGN 101
SEE SHEET S-33
STA. 108+00
700-3-231
700-4-125



MATCH LINE STA. 102+00.00

MATCH LINE STA. 109+00.00

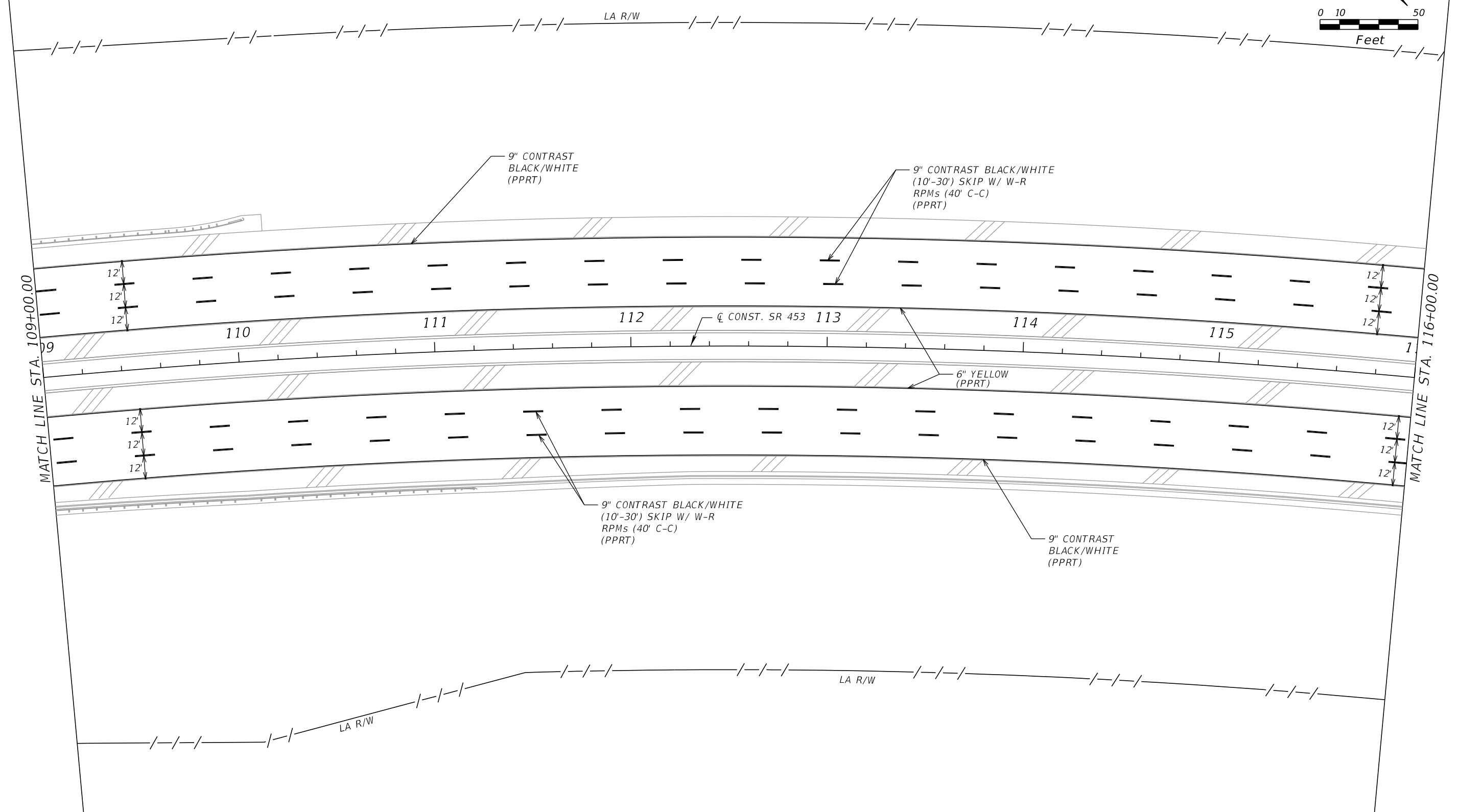
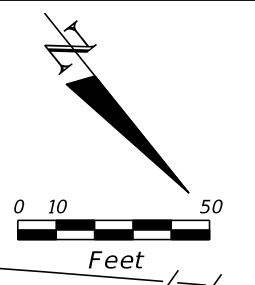
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

PLAN SHEET 2
SR 453
SHEET NO.
S-9



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

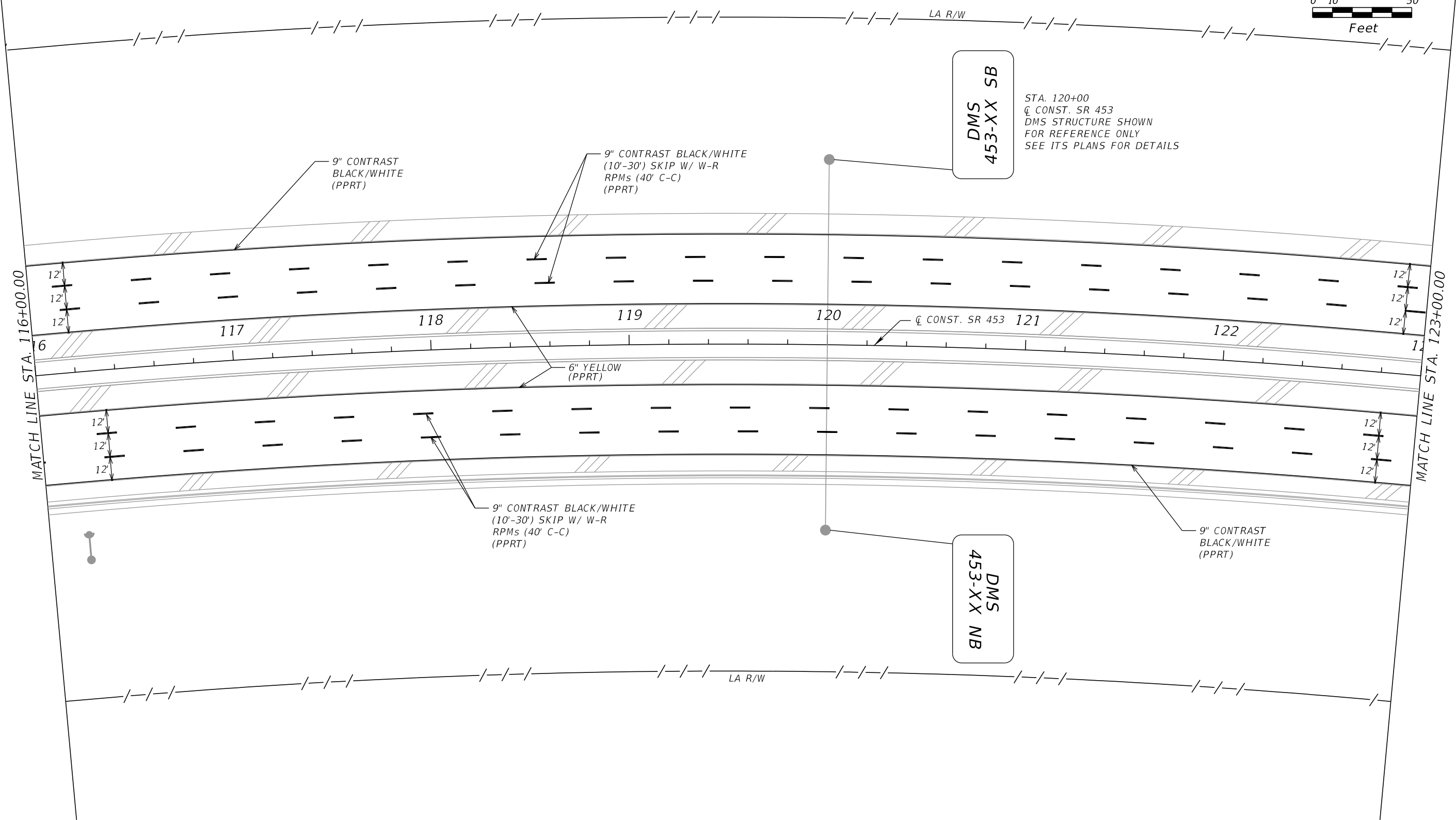
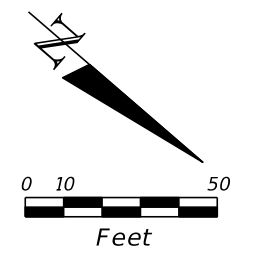

DRMP
 ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
 PHONE: (407) 896-0594 FAX: (407) 896-4836
 CERTIFICATE OF AUTHORIZATION NO. 2648
 CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
 429-206

CENTRAL
 FLORIDA
 EXPRESSWAY
 AUTHORITY

PLAN SHEET 3
 SR 453

SHEET
 NO.
 S-10



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

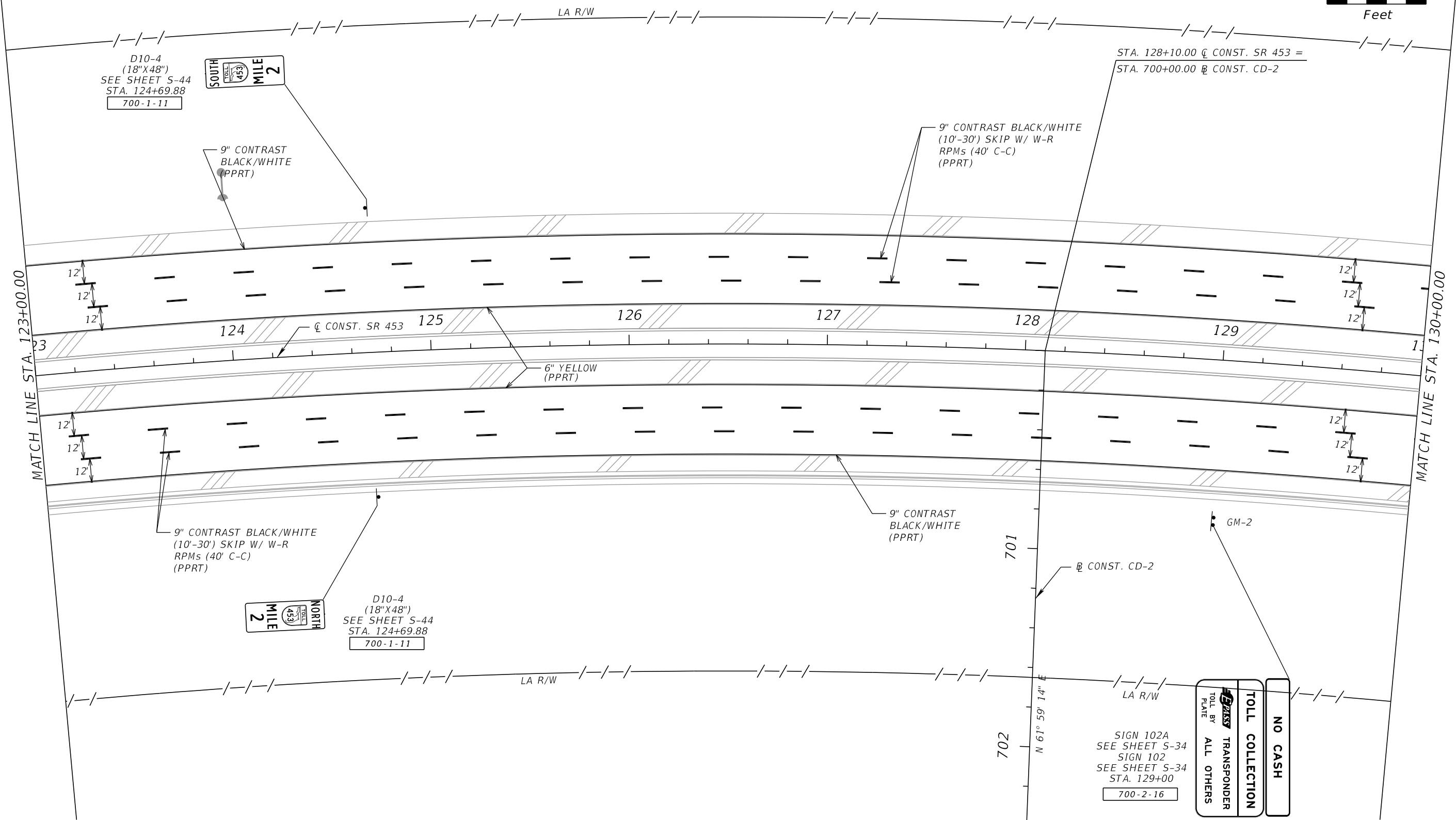
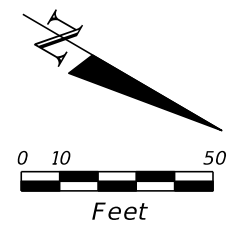
DRMP
 ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
 PHONE: (407) 896-0594 FAX: (407) 896-4836
 CERTIFICATE OF AUTHORIZATION NO. 2648
 CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
 429-206

CENTRAL
 FLORIDA
 EXPRESSWAY
 AUTHORITY

PLAN SHEET 4
SR 453

SHEET NO.
 S-11



D10-4
(18"X48")
SEE SHEET S-44
STA. 124+69.88
700-1-11



9" CONTRAST
BLACK/WHITE
PPRT

STA. 128+10.00 \hat{C} CONST. SR 453 =
STA. 700+00.00 \hat{C} CONST. CD-2

9" CONTRAST BLACK/WHITE
(10'-30') SKIP W/ W-R
RPMs (40' C-C)
(PPRT)

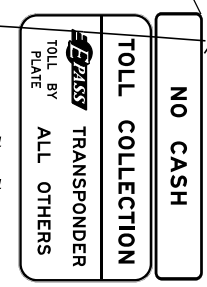
9" CONTRAST BLACK/WHITE
(10'-30') SKIP W/ W-R
RPMs (40' C-C)
(PPRT)



D10-4
(18"X48")
SEE SHEET S-44
STA. 124+69.88
700-1-11

9" CONTRAST
BLACK/WHITE
(PPRT)

SIGN 102A
SEE SHEET S-34
SIGN 102
SEE SHEET S-34
STA. 129+00
700-2-16



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

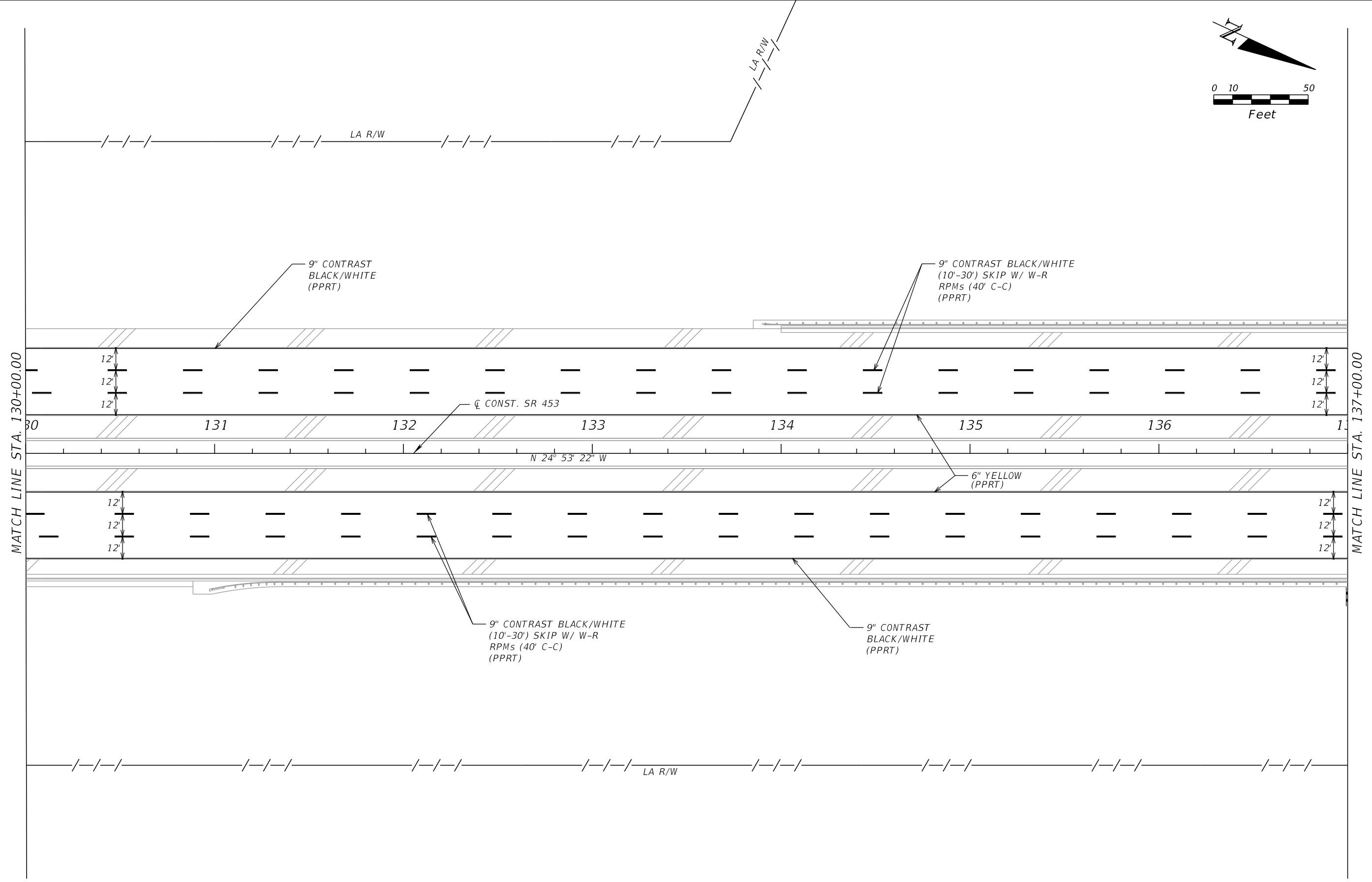
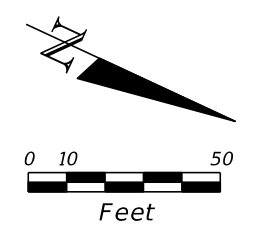
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

PLAN SHEET 5
SR 453

SHEET
NO.
S-12



MATCH LINE STA. 130+00.00

MATCH LINE STA. 137+00.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

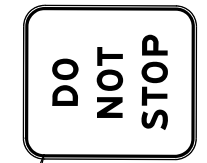
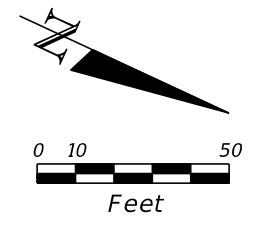
CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

PLAN SHEET 6
SR 453

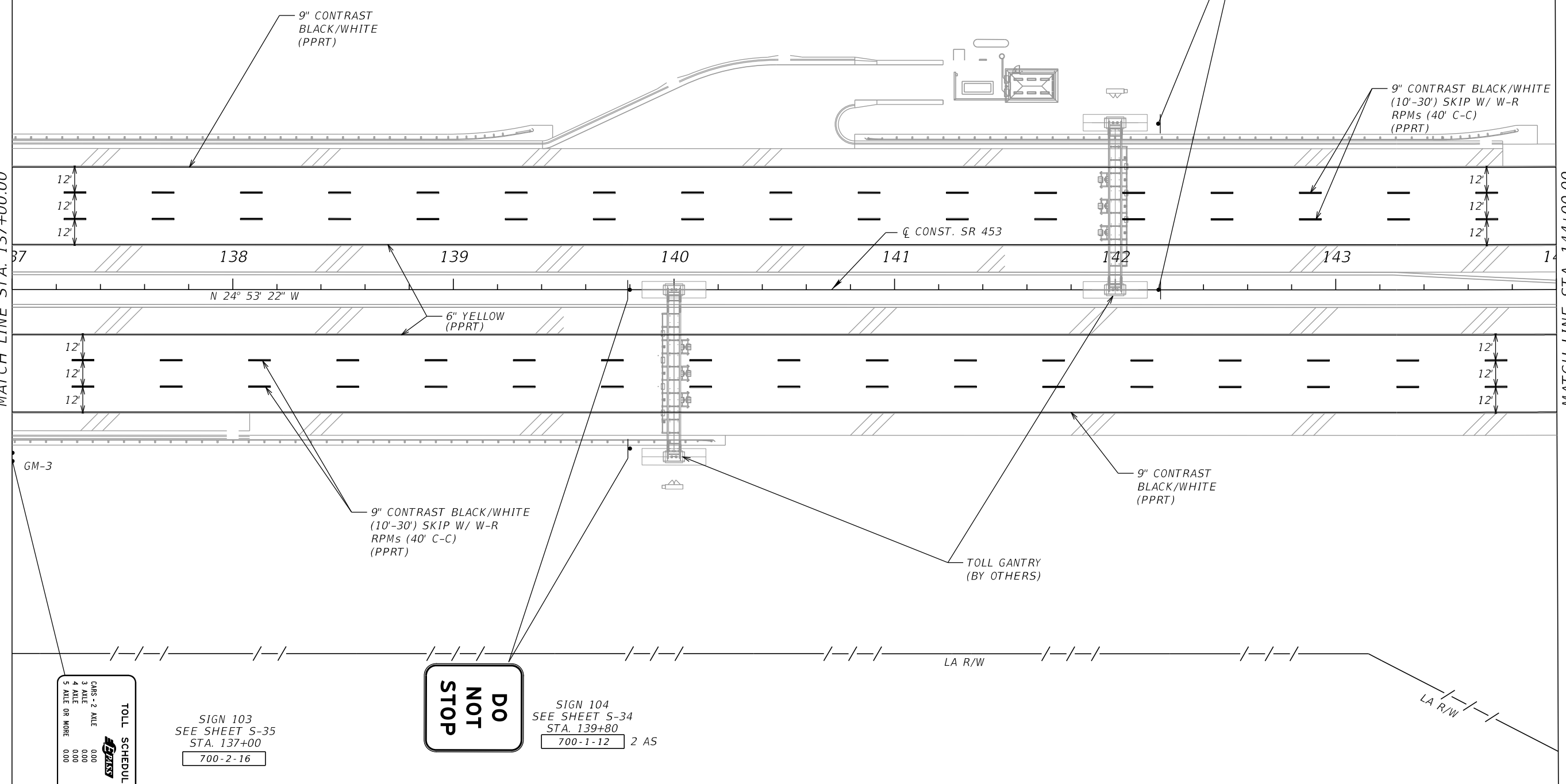
SHEET NO.
S-13

SIGN 104
SEE SHEET S-34
STA. 142+20
700-1-12 2 AS



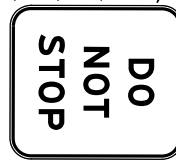
MATCH LINE STA. 137+00.00

MATCH LINE STA. 144+00.00



TOLL SCHEDULE	
CARS - 2 AXLE	0.00
3 AXLE	0.00
4 AXLE OR MORE	0.00
5 AXLE OR MORE	0.00
TOLL BY PLAN	
CARS - 2 AXLE	0.00
3 AXLE	0.00
4 AXLE OR MORE	0.00
5 AXLE OR MORE	0.00

SIGN 103
SEE SHEET S-35
STA. 137+00
700-2-16



SIGN 104
SEE SHEET S-34
STA. 139+80
700-1-12 2 AS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

PLAN SHEET 7
SR 453

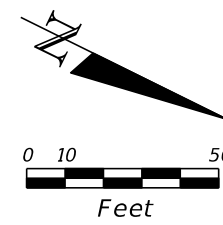
SHEET NO.
S-14

TOLL BY PLANE	TOLL SCHEDULE
CARS - 2 AXLE	0.00
3 AXLE	0.00
4 AXLE	0.00
5 AXLE OR MORE	0.00

SIGN 103
SEE SHEET S-35
STA. 145+00
700-2-16

SPEED LIMIT
65

R2-1
(48"X60")
STA. 148+00
700-1-12



R3-4
(36"X36")
FTP-65-06
(36"X18")
STA. 146+20
700-1-12

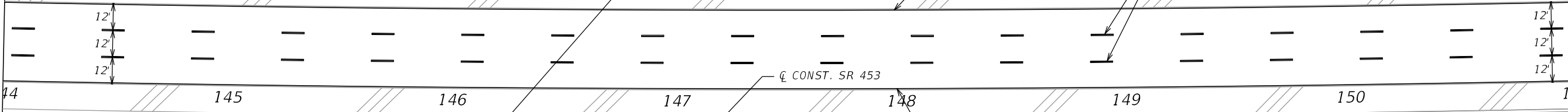
GM-4

9" CONTRAST
BLACK/WHITE
(PPRT)

9" CONTRAST BLACK/WHITE
(10'-30') SKIP W/ W-R
RPMs (40' C-C)
(PPRT)

MATCH LINE STA. 144+00.00

MATCH LINE STA. 151+00.00



6" YELLOW
(PPRT)

9" CONTRAST
BLACK/WHITE
(10'-30') SKIP W/ W-R
RPMs (40' C-C)
(PPRT)

9" CONTRAST
BLACK/WHITE
(PPRT)



R3-4
(36"X36")
FTP-65-06
(36"X18")
STA. 144+40
700-1-12



W3-5
(48"X48")
STA. 146+00
2 AS
700-1-12

Sorrento Ave
Sorrento
Mount Plymouth
1 MILE
WEST
46
Mount Dora
Leesburg

SIGN 105
SEE SHEET S-36
STA. 149+00
700-3-230
700-4-125

OT-1

LA R/W

LA R/W

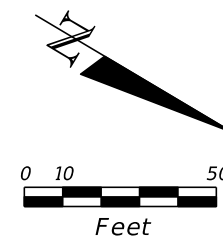
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

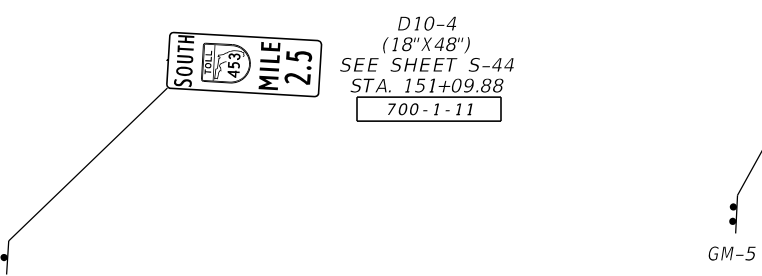
PLAN SHEET 8
SR 453
SHEET NO.
S-15



NO CASH
TOLL COLLECTION
TRANSponder
TOLL BY PLATE
ALL OTHERS

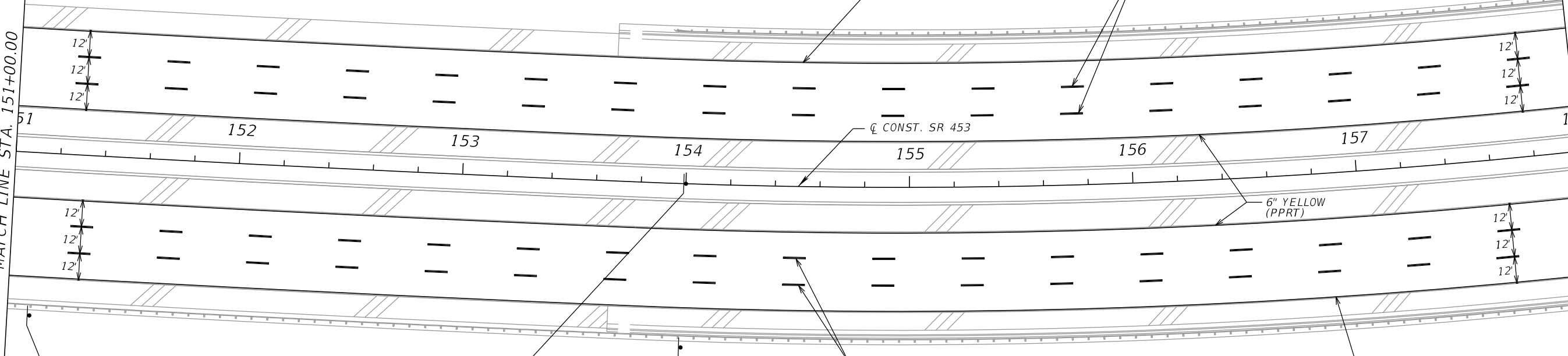
SIGN 102
SEE SHEET S-34
STA. 153+00
SIGN 102A
SEE SHEET S-34
700-2-16

SOUTH
MILE 2.5
D10-4
(18" X 48")
SEE SHEET S-44
STA. 151+09.88
700-1-11



MATCH LINE STA. 151+00.00

MATCH LINE STA. 158+00.00



NORTH
MILE 2.5
D10-4
(18" X 48")
SEE SHEET S-44
STA. 151+09.88
700-1-11

SPEED
LIMIT
45
R2-1
(48" X 60")
STA. 154+00
2 AS
700-1-12

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

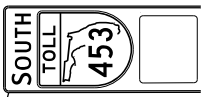
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

PLAN SHEET 9
SR 453

SHEET
NO.
S-16



SIGN 1
SEE SHEET S-43
STA. 158+00
700-1-74

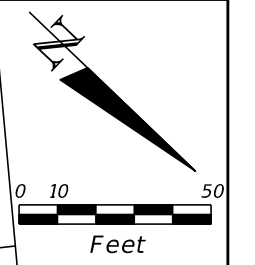
AUTHORITY LOGO
SEE SHEET S-52
700-3-201C

0907

9" CONTRAST BLACK/WHITE
W/ W-R RPMs (40' C-C)
(PPRT)

END RAMP B
STA. 630+64.97
=STA. 164+02.82, 56' LT
C CONST. SR 453

RETAINING WALL
18" WHITE
(20' C-C @ 45°)
(PPRT)



9" CONTRAST BLACK/WHITE
(10'-30') SKIP W/ W-R
RPMs (40' C-C)
(PPRT)

STA. 162+01.42 C CONST. SR 453
=STA. 1101+59.65 B CONST. CORONADO

RETAINING WALL

BEGIN RAMP C
STA. 363+08.94
=STA. 163+08.94, 32' LT
C CONST. SR 453

8" WHITE W/ W-R
RPMs (20' C-C)
(PPRT)

B CONST. RAMP B
6" YELLOW
W/ Y-R RPMs
(40' C-C)
(PPRT)

9" CONTRAST
BLACK/WHITE
(PPRT)

BEGIN BRIDGE
STA. 161+49.41
C CONST. SR 453

BEGIN APPROACH SLAB
STA. 161+08.36
C CONST. SR 453

1103

LA R/W

630

MATCH LINE STA. 158+00.00

MATCH LINE STA. 465+00.00

GM-6

159

160

161

162

163

164

46

12'
12'
12'

12'
12'
12'

6" YELLOW
(PPRT)

9" CONTRAST BLACK/WHITE
(10'-30') SKIP W/ W-R
RPMs (40' C-C)
(PPRT)

9" CONTRAST
BLACK/WHITE
(PPRT)

RETAINING WALL

END BRIDGE
STA. 162+54.59
C CONST. SR 453

END APPROACH SLAB
STA. 162+97.77
C CONST. SR 453

6" YELLOW
W/ Y-R RPMs
(40' C-C)
(PPRT)

REDUCED SPEED AHEAD
35 MPH
EXPRESSWAY ENDS

SIGN 106
SEE SHEET S-32
STA. 159+00
700-3-228
700-4-115

OC-2

1100

LOGO

AUTHORITY LOGO
SEE SHEET S-52
700-3-201C

BEGIN RPMS

B CONST. RAMP D

BEGIN RAMP D
STA. 464+02.82
=STA. 164+02.82, 56' RT
C CONST. SR 453

9" CONTRAST BLACK/WHITE
W/ W-R RPMs (40' C-C)
(PPRT)

RETAINING WALL

CONC. BARRIER WALL

RETAINING WALL

C CONST. CORONADO- SOMERSET DRIVE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

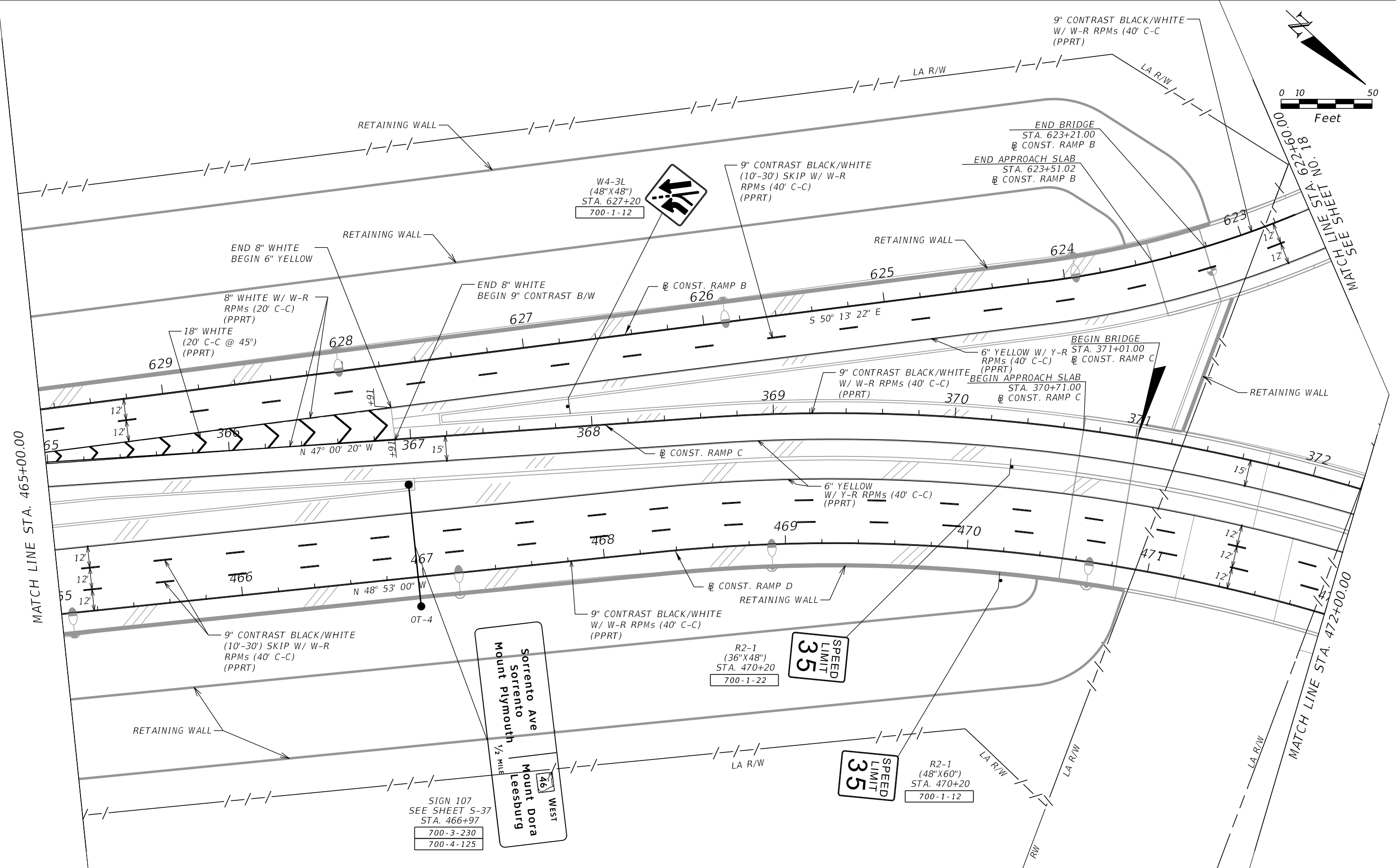
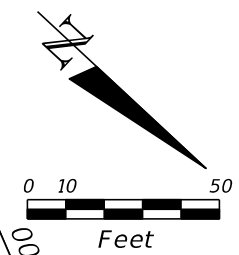
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

PLAN SHEET 10
SR 453

SHEET NO.
S-17



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

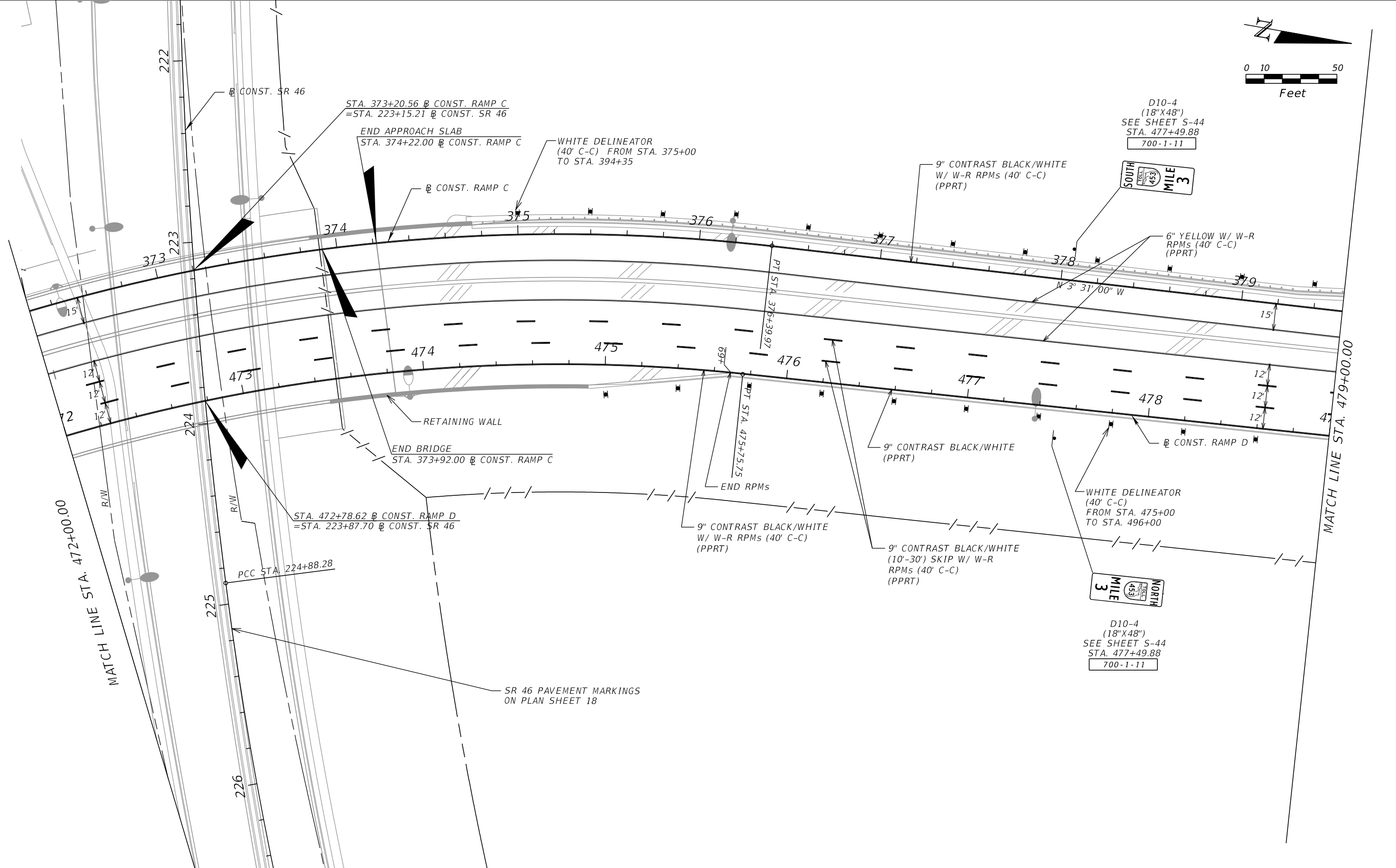
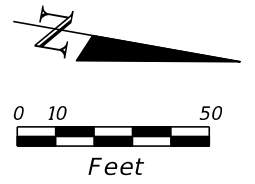
DRMP
 ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
 PHONE: (407) 896-0594 FAX: (407) 896-4836
 CERTIFICATE OF AUTHORIZATION NO. 2648
 CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
 429-206

CENTRAL
 FLORIDA
 EXPRESSWAY
 AUTHORITY

PLAN SHEET 11
RAMPS C & D

SHEET
 NO.
 S-18



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



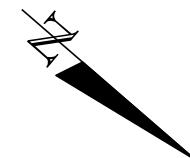
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

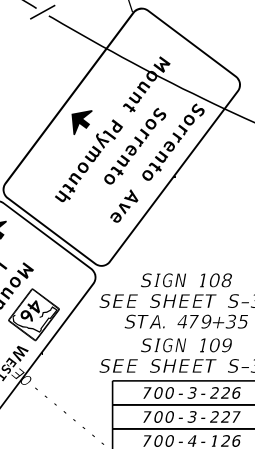
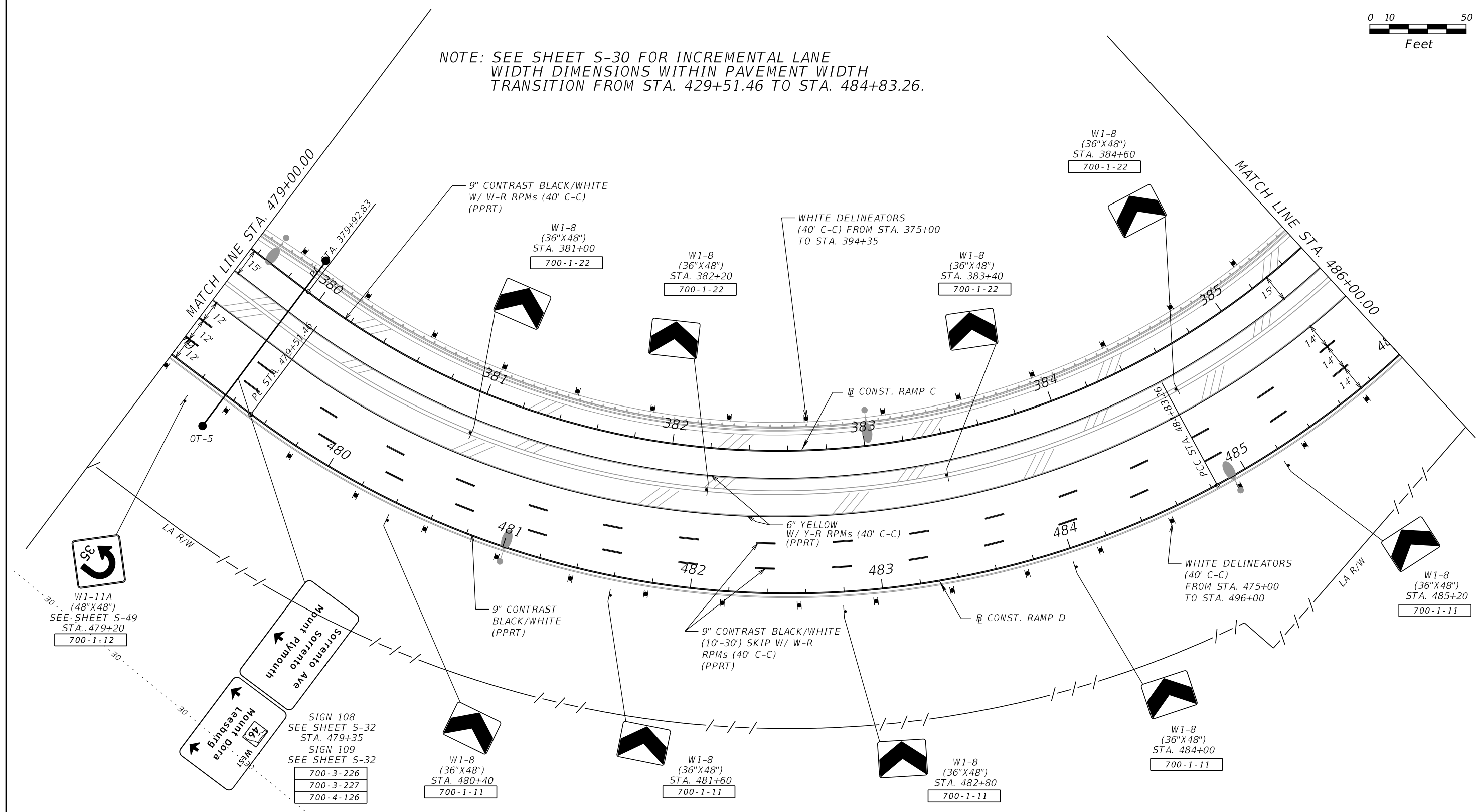
**CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY**

PLAN SHEET 12
RAMPS C & D

SHEET
NO.
S-19



NOTE: SEE SHEET S-30 FOR INCREMENTAL LANE WIDTH DIMENSIONS WITHIN PAVEMENT WIDTH TRANSITION FROM STA. 429+51.46 TO STA. 484+83.26.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

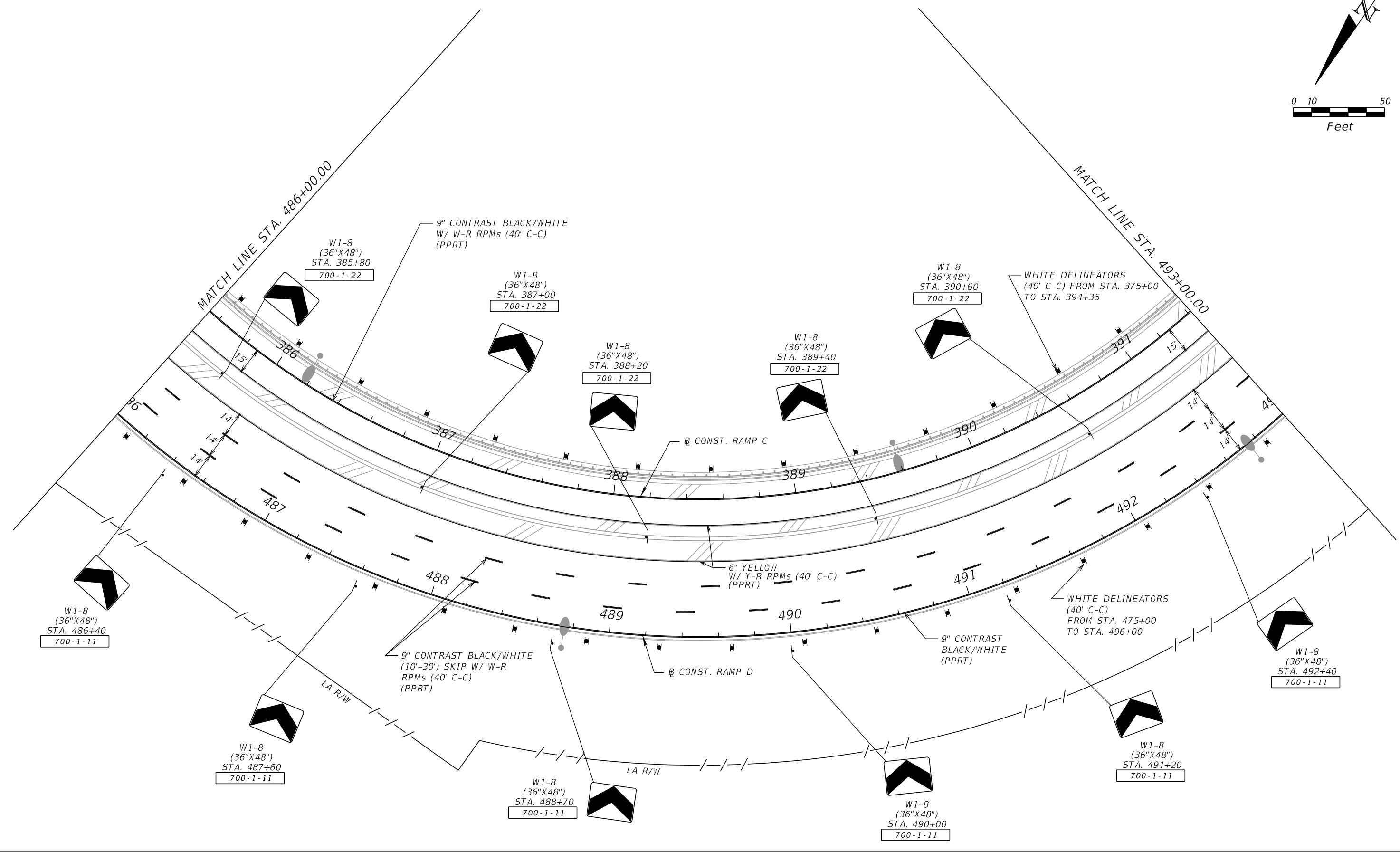
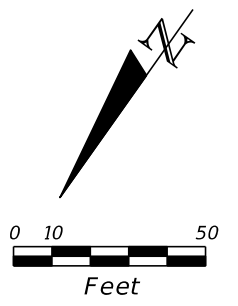
DRMP
 ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
 PHONE: (407) 896-0594 FAX: (407) 896-4836
 CERTIFICATE OF AUTHORIZATION NO. 2648
 CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
 429-206

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

PLAN SHEET 13
 RAMPS C & D

SHEET NO.
 S-20



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



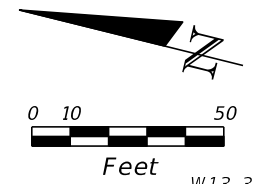
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

PLAN SHEET 14
RAMPS C & D

SHEET NO.
S-21



W13-3
(36"X48")
W/ 3" CONSPICUITY STRIP
(SEE SHEET S-50)
STA. 397+80
700-1-12



W1-11A
(48"X48")
SEE SHEET S-49
STA. 394+60
700-1-12

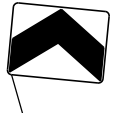


WHITE DELINEATOR
(300' C-C)
FROM 394+35
TO STA. 398+60

W1-8
(36"X48")
STA. 391+80
700-1-22



W1-8
(36"X48")
STA. 393+00
700-1-22



9" CONTRAST
BLACK/WHITE
W/ W-R RPMs
(40' C-C)
(PPRT)

CONST. RAMP C

PT STA. 393+74.42

S 20° 23' 36" E

MATCH LINE STA. 493+00.00

SEE SHEET NO. 17
MATCHLINE STA. 500+00.00

WHITE DELINEATORS
(40' C-C)
FROM STA. 475+00
TO STA. 496+00

9" CONTRAST BLACK/WHITE
(10'-30') SKIP W/ W-R
RPMs (40' C-C)
(PPRT)

6" YELLOW
W/ Y-R RPMs (40' C-C)
(PPRT)

9" CONTRAST BLACK/WHITE
(PPRT)

CONST. RAMP D

PT STA. 495+76.51

9" CONTRAST BLACK/WHITE
W/ W-R RPMs (20' C-C) (PPRT)

R5-1A
(42"X30")
STA. 498+50
700-1-11 2 AS



18" WHITE
(10' C-C @ 45°)
(PPRT)

8" WHITE W/ W-R
RPMs (10' C-C)
(PPRT)

WHITE DELINEATOR
(40' C-C)
FROM STA. 499+00
TO STA. 500+50

W1-8
(36"X48")
STA. 493+60
700-1-11



W1-8
(36"X48")
STA. 494+80
700-1-11



LA R/W

Sorrento Ave
Sorrento
Mount Plymouth

To South
Round Lake Rd

Mount Dora
Leesburg

SIGN 110
SEE SHEET S-38
STA. 496+20
SIGN 111
SEE SHEET S-38
SIGN 112
SEE SHEET S-38
700-3-226 2 EA
700-3-227
700-4-126

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

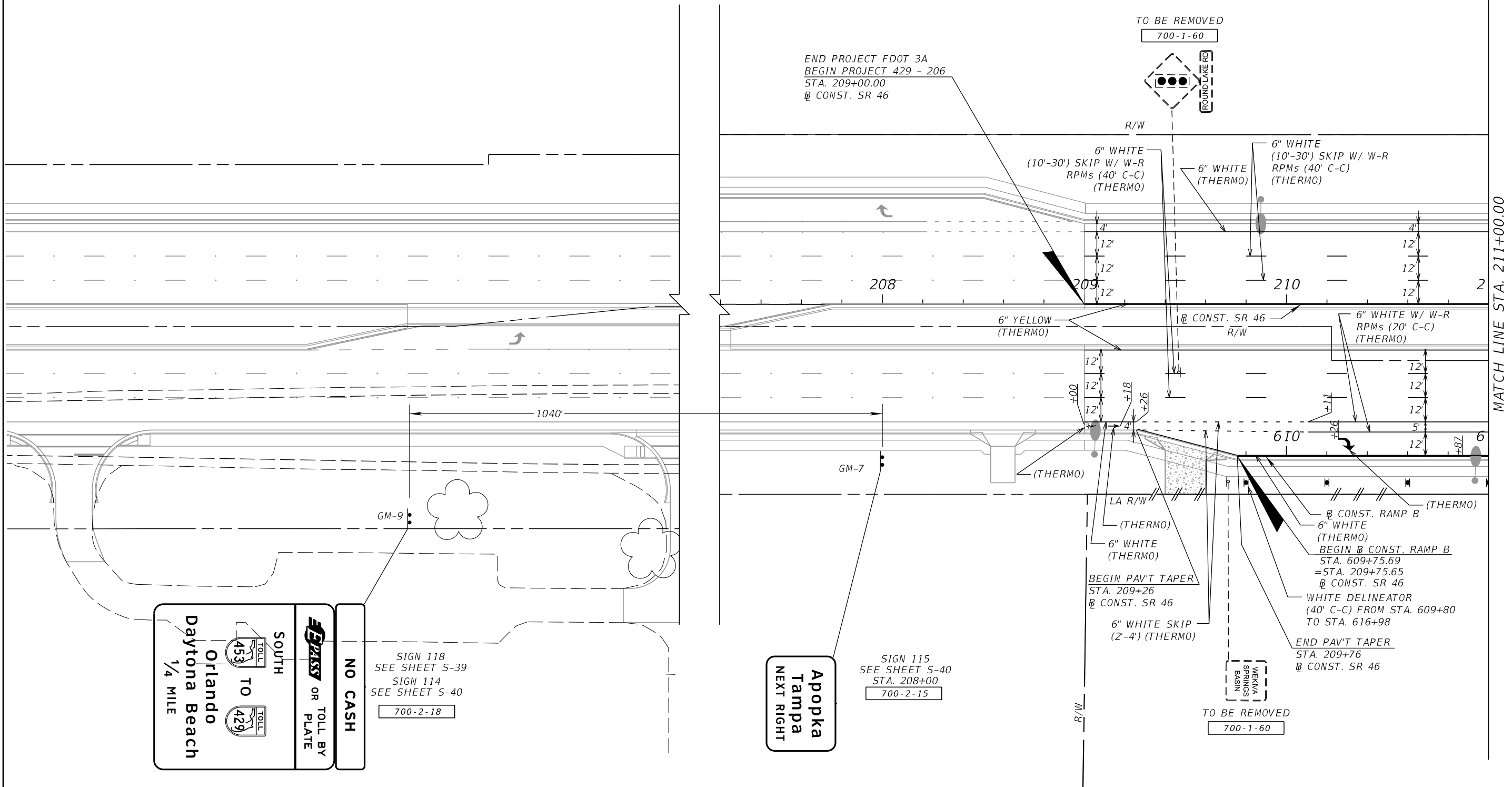
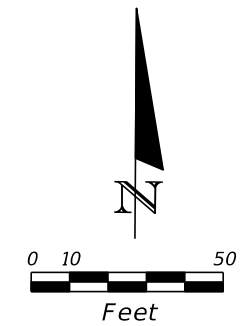
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

PLAN SHEET 15
RAMPS C & D
SHEET NO.
S-22

NOTE: IT IS ASSUMED THAT FDOT PROJECT 3A WILL NOT BE CONSTRUCTED AHEAD OF OUR PROJECT. GROUND MOUNTED SIGN GM-9 IS AN INTERIM ASSEMBLY DESIGNED FOR THE EXISTING CONDITIONS. FDOT PROJECT 3A WOULD INCLUDE THE INSTALLATION OF AN OVERHEAD SIGN STRUCTURE ASSEMBLY FOR THIS SIGN LOCATION. DURING PLANS UPDATING, ANY NEEDED CHANGES TO THE PLANS CAN BE MADE IF THERE IS A CHANGE IN PROJECT LETTING DATES.



NO CASH
TOLL BY PLATE OR **FLPASS**

SOUTH
TOLL 453 TO TOLL 429
Orlando
Daytona Beach
1/4 MILE

SIGN 118
SEE SHEET S-39
SIGN 114
SEE SHEET S-40
700-2-18

**Apopka
Tampa
NEXT RIGHT**

SIGN 115
SEE SHEET S-40
STA. 208+00
700-2-15

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

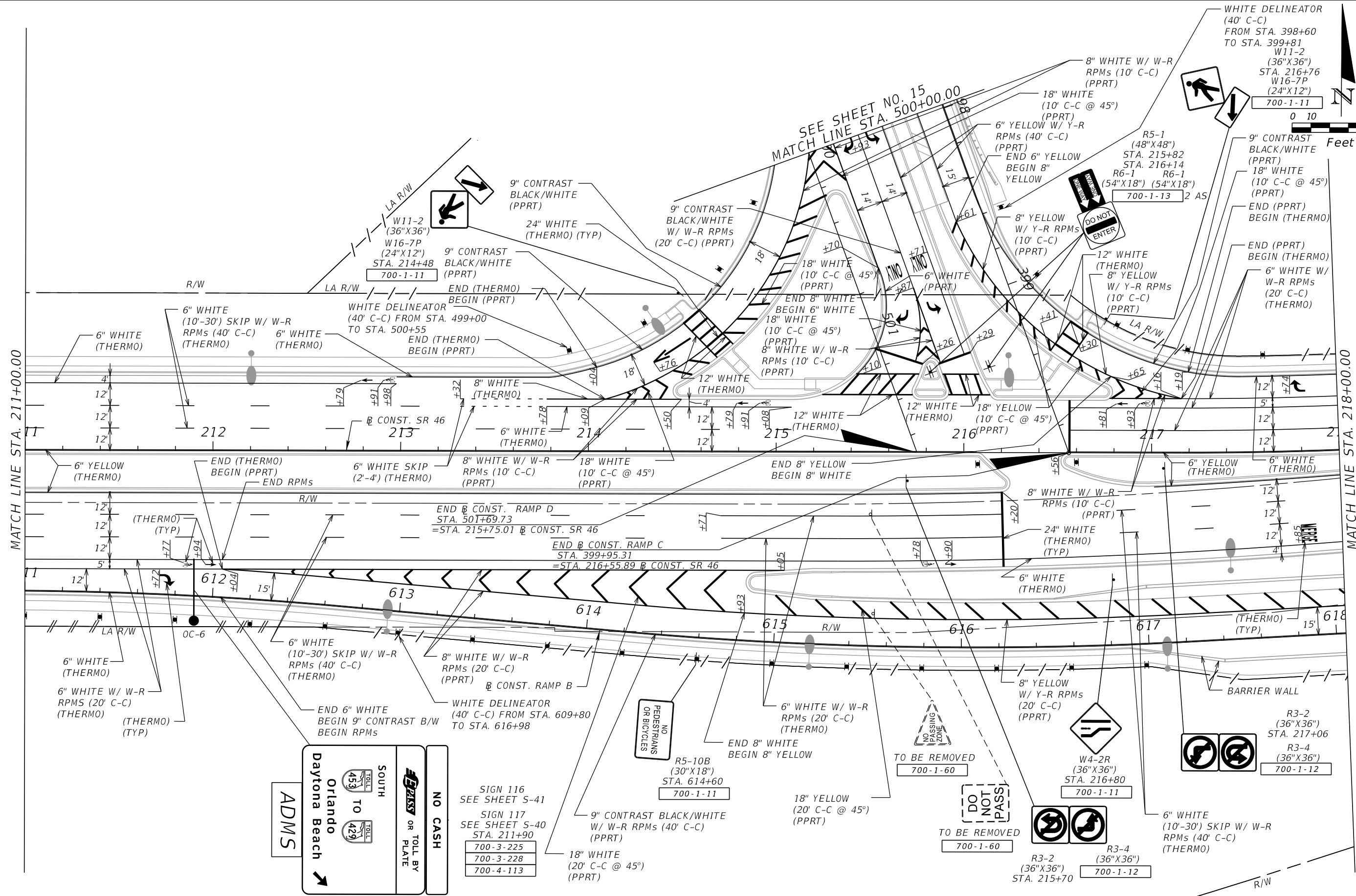
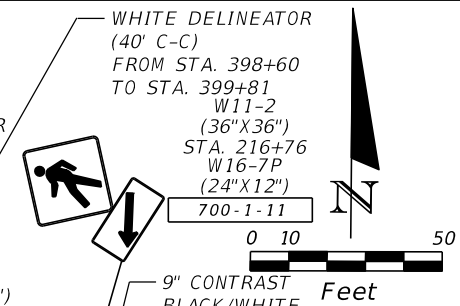
PLAN SHEET 16
SR 46

SHEET NO.
S-23

MATCH LINE STA. 211+00.00

MATCH LINE STA. 218+00.00

SEE SHEET NO. 15
MATCH LINE STA. 500+00.00



REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

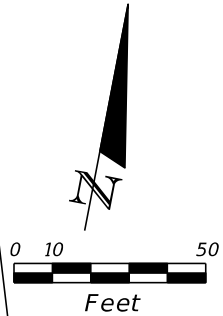
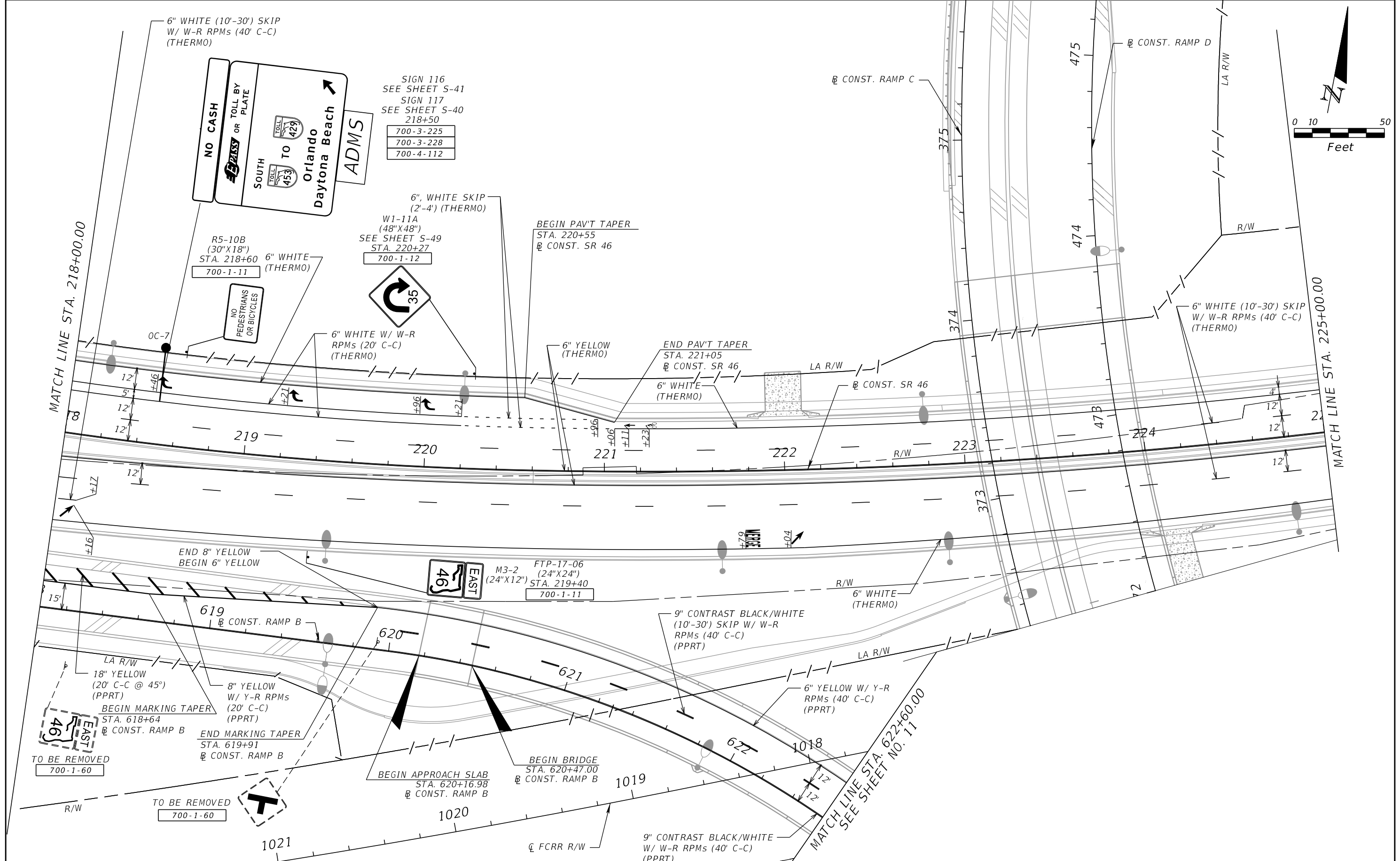
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

PLAN SHEET 17
SR 46

SHEET NO.
S-24



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

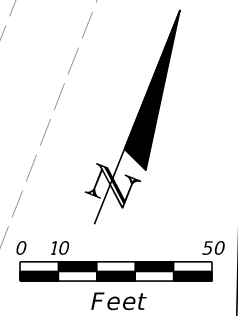
DRMP
 ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
 PHONE: (407) 896-0594 FAX: (407) 896-4836
 CERTIFICATE OF AUTHORIZATION NO. 2648
 CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
 429-206

CENTRAL
 FLORIDA
 EXPRESSWAY
 AUTHORITY

PLAN SHEET 18
SR 46

SHEET
 NO.
 S-25



NO CASH

TOLL BY PASS OR PLATE

SOUTH

TO

Orlando

Daytona Beach

NEXT RIGHT

SIGN 113
SEE SHEET S-41
SIGN 114
SEE SHEET S-40
STA. 227+00

700-3-224
700-3-227
700-4-113

SIGN 115
SEE SHEET S-40
STA. 230+00

700-2-15

Apopka

Tampa

NEXT RIGHT

BEGIN PAV'T TAPER
STA. 227+17
@ CONST. SR 46

R4-7
(24"X30")
OM1-1
(18"X18")
STA. 226+61

700-1-11

6" DOUBLE YELLOW
W/ Y-Y RPMs (30' C-C)
(THERMO)

TO BE REMOVED
700-1-60

END PAV'T TAPER
STA. 227+67
@ CONST. SR 46

END MARKING TAPER
STA. 228+55
@ CONST. SR 46

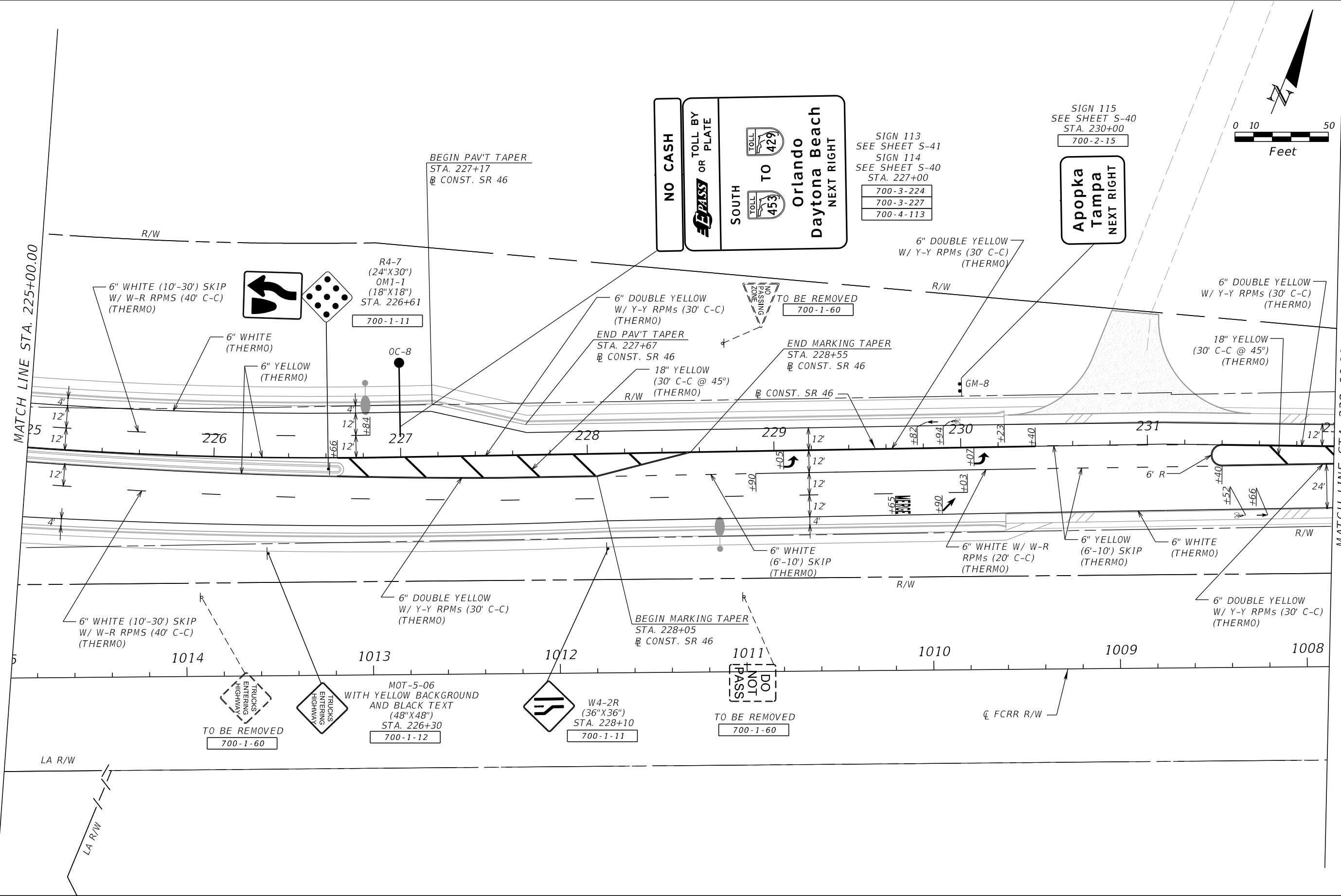
18" YELLOW
(30' C-C @ 45°)
(THERMO)

6" DOUBLE YELLOW
W/ Y-Y RPMs (30' C-C)
(THERMO)

18" YELLOW
(30' C-C @ 45°)
(THERMO)

MATCH LINE STA. 225+00.00

MATCH LINE STA. 232+00.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

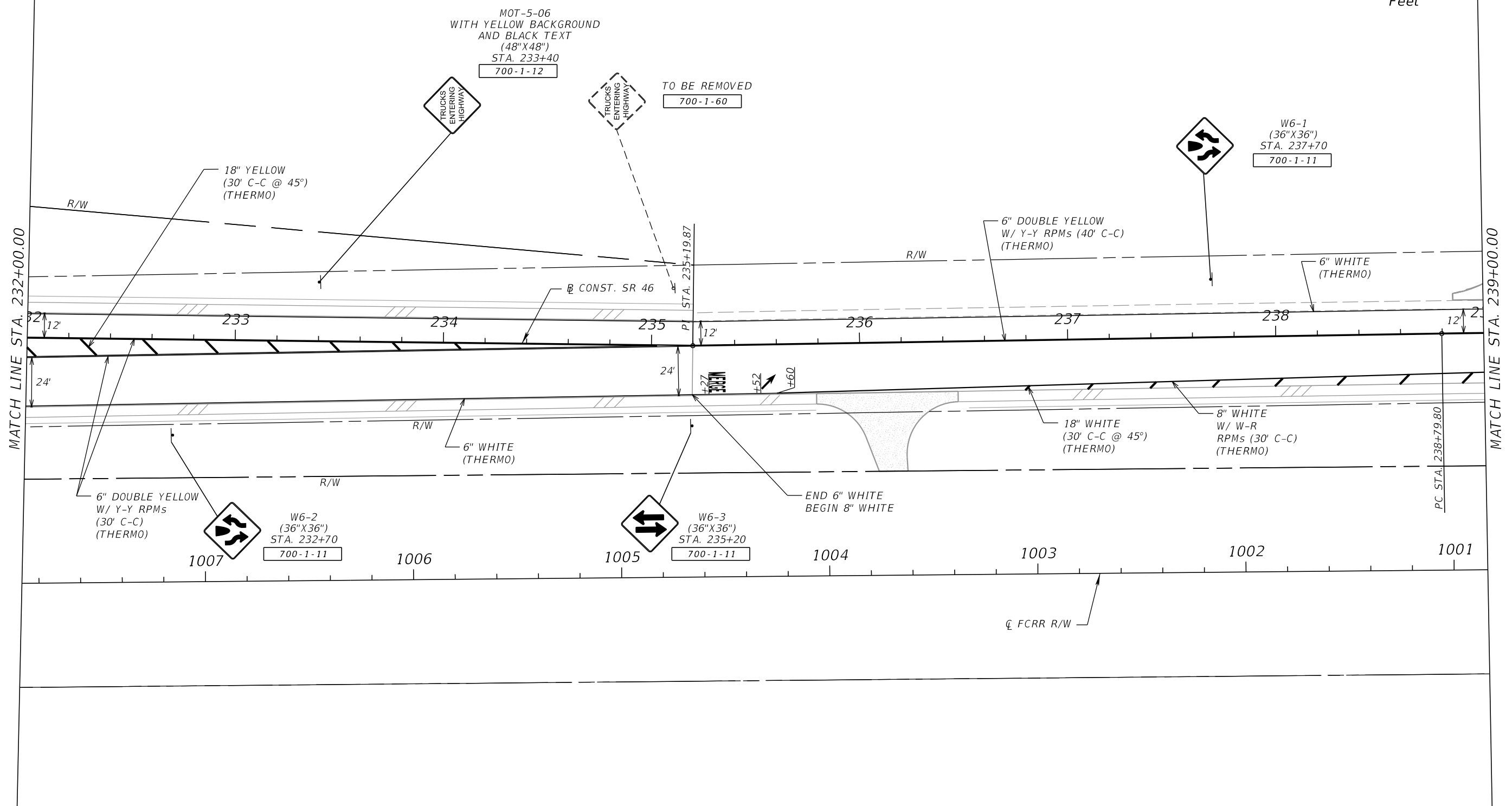
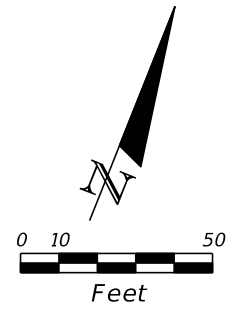
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

PLAN SHEET 19
SR 46

SHEET NO.
S-26



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



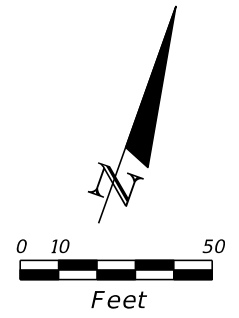
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

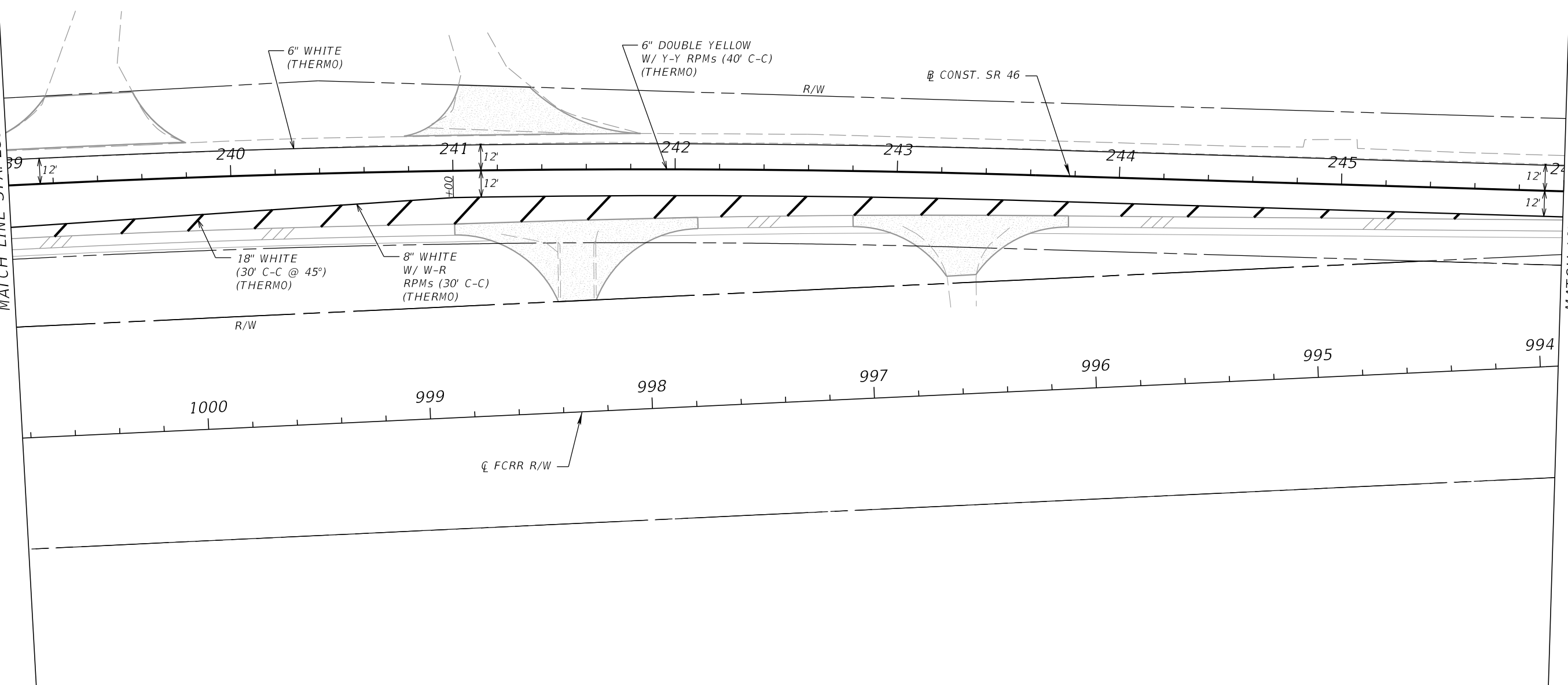
PLAN SHEET 20
SR 46

SHEET NO.
S-27



MATCH LINE STA. 239+00.00

MATCH LINE STA. 246+00.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

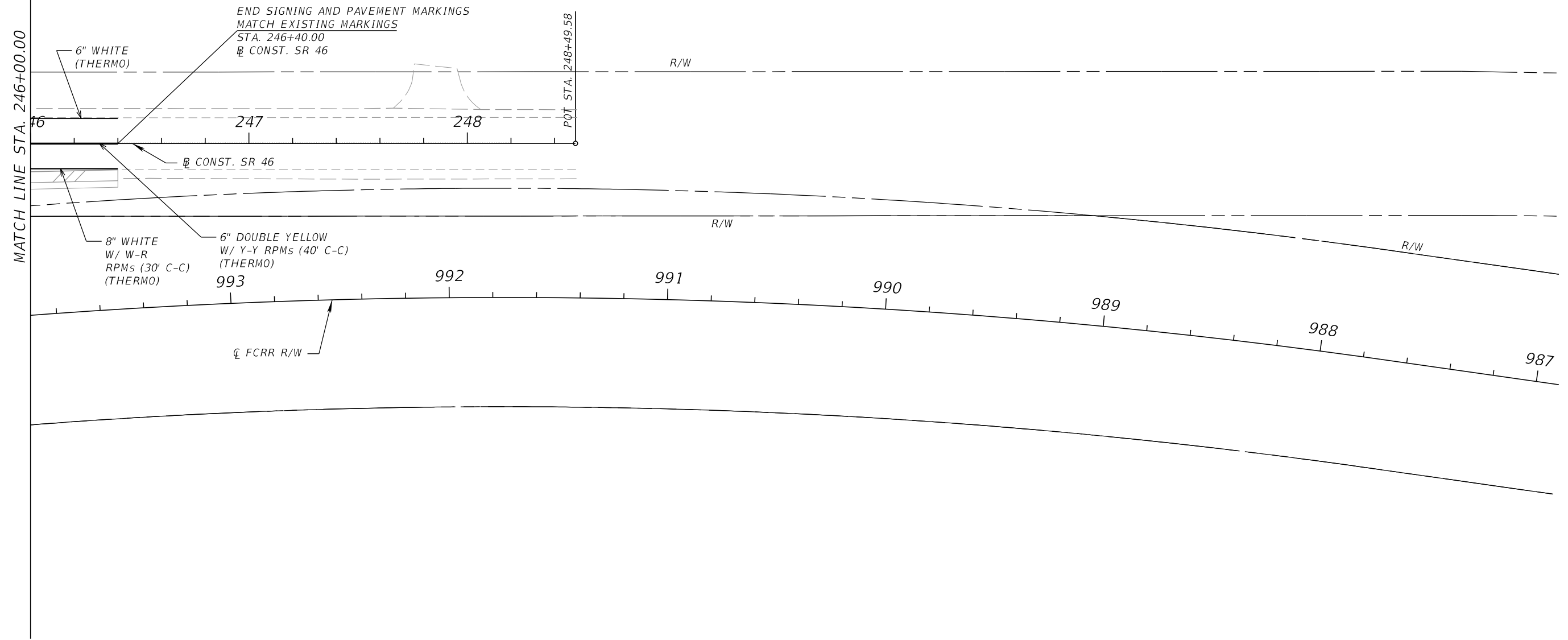
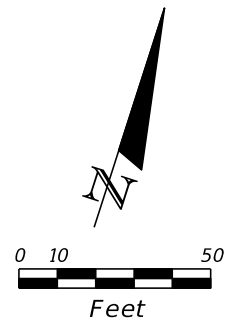

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

PLAN SHEET 21
SR 46

SHEET NO.
S-28



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



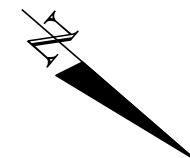
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

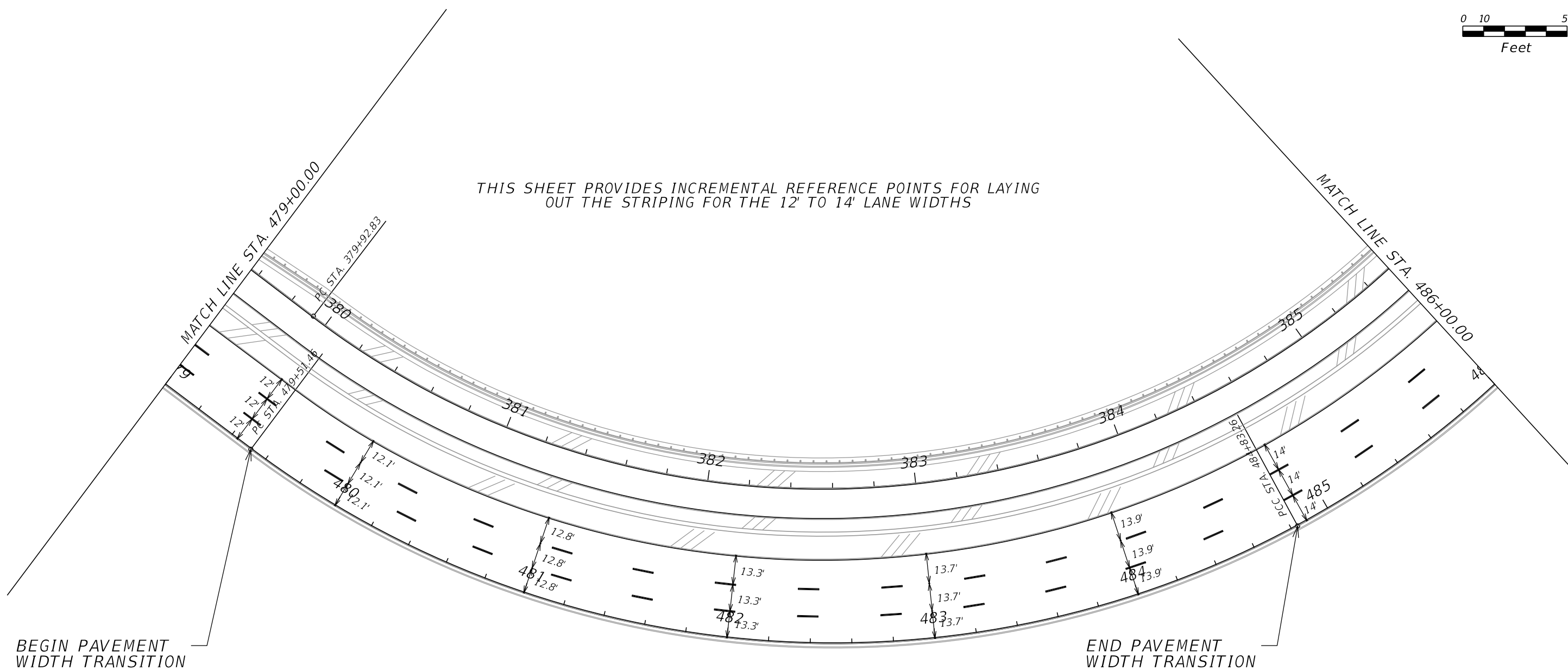
CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

PLAN SHEET 22
SR 46

SHEET NO.
S-29



THIS SHEET PROVIDES INCREMENTAL REFERENCE POINTS FOR LAYING OUT THE STRIPING FOR THE 12' TO 14' LANE WIDTHS



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


DRMP
 ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
 PHONE: (407) 896-0594 FAX: (407) 896-4836
 CERTIFICATE OF AUTHORIZATION NO. 2648
 CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
 429-206

CENTRAL
 FLORIDA
 EXPRESSWAY
 AUTHORITY

STRIPING TRANSITION
DETAIL - RAMP D

SHEET
 NO.
 S-30

SIGN NAME	EC-1	STATION(S)
QUANTITY	1	1 99+50
WIDTH	5'-0"	2
HEIGHT	4'-0"	3
BORDER WIDTH	1.25"	4
BORDER RADII	6"	5
PANEL COLOR	Green	
LEGEND	White	
BORDER	White	
SHEETING	3M Diamond Grade Cubed (DG3)	



8"
6"CV4W
6"
8"CV5W
6"
6"CV4W
8"

SIGN NAME	EC-2	STATION(S)
QUANTITY	1	1 GM-10 105+00
WIDTH	6'-0"	2
HEIGHT	4'-0"	3
BORDER WIDTH	1.25"	4
BORDER RADII	6"	5
PANEL COLOR	Green	
LEGEND	White	
BORDER	White	
SHEETING	3M Diamond Grade Cubed (DG3)	



8"
6"CV4W
6"
8"CV5W
6"
6"CV4W
8"

COPY		E N T E R I N G																LENGTH	
SPACE	8.4	43.3														8.3	43.3		
COPY		L a k e																LENGTH	
SPACE	15.8	28.5														15.7	28.5		
COPY		C O U N T Y																LENGTH	
SPACE	12.2	35.7														12.1	35.7		
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			

COPY		E N T E R I N G																LENGTH	
SPACE	14.4	43.3														14.3	43.3		
COPY		O r a n g e																LENGTH	
SPACE	12.5	47														12.5	47		
COPY		C O U N T Y																LENGTH	
SPACE	18.2	35.7														18.1	35.7		
COPY																			
SPACE																			
COPY																			
SPACE																			
COPY																			
SPACE																			

SIGN NAME		STATION(S)
QUANTITY	1	
WIDTH	2	
HEIGHT	3	
BORDER WIDTH	4	
BORDER RADII	5	
PANEL COLOR		
LEGEND		
BORDER		
SHEETING		

NOT
USED

SIGN NAME		STATION(S)
QUANTITY	1	
WIDTH	2	
HEIGHT	3	
BORDER WIDTH	4	
BORDER RADII	5	
PANEL COLOR		
LEGEND		
BORDER		
SHEETING		

NOT
USED

COPY																		
SPACE																		
COPY																		
SPACE																		
COPY																		
SPACE																		
COPY																		
SPACE																		
COPY																		
SPACE																		
COPY																		
SPACE																		

COPY																		
SPACE																		
COPY																		
SPACE																		
COPY																		
SPACE																		
COPY																		
SPACE																		
COPY																		
SPACE																		
COPY																		
SPACE																		

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



CFX PROJ. NO.
429-206

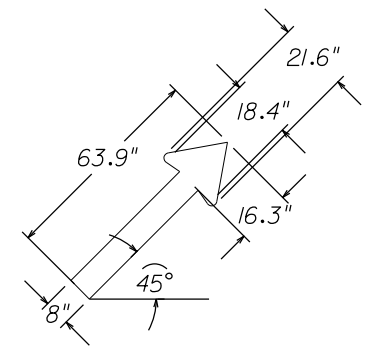
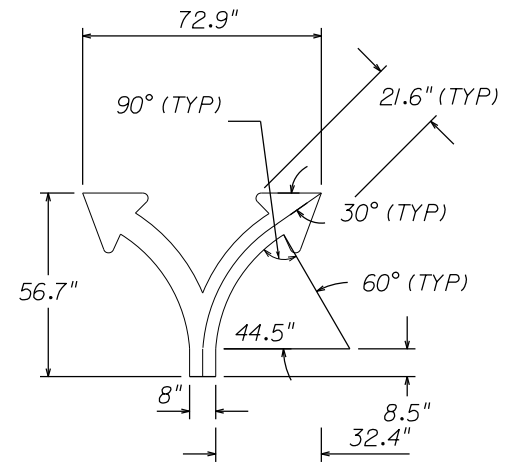
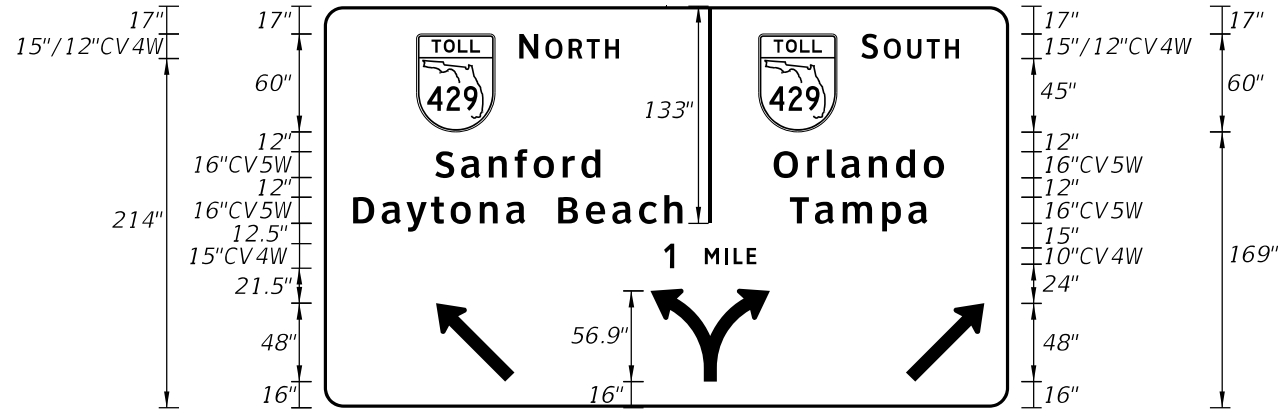
CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

GUIDE SIGN WORKSHEET
SIGNS EC-1, EC-2

SHEET
NO.
S-31

SIGN NAME	101	STATION(S)
QUANTITY	1	07-3 108+00
WIDTH	35'-0"	2
HEIGHT	20'-6"	3
BORDER WIDTH	2"	4
BORDER RADII	12"	5
PANEL COLOR	Green	
LEGEND	White	
BORDER	White	
SHEETING	3M Diamond Grade Cubed (DG3)	

NOTES:
1. TOLL ROUTE SHIELD TO BE USED IS TM (SEE SHEET S-46).



		N O R T H																				S O U T H																		LENGTH		
COPY																																										
SPACE	56.8	48	15	61.1														54.9	2	28.7	48	15	59.9														30.6	332.6				
COPY		S a n f o r d																			O r l a n d o																					
SPACE	68.3	101.1																		66.4	2	37.9	104.4																		39.9	311.8
COPY		D a y t o n a										B e a c h										T a m p a																				
SPACE	18	105.6									20	76.2									16	2	47.9	84.4									49.9	352.1								
COPY		1	M I L E																		154.8																		56.7			
SPACE	208.5	6.3	18.8	31.6																		154.8																				
COPY		↙		Y		↗																																				
SPACE	68.8	48	83.4	73.3	83.3	48	15.2																			336																
COPY																																										
SPACE																																										
COPY																																										
SPACE																																										
COPY																																										
SPACE																																										
COPY																																										
SPACE																																										
COPY																																										
SPACE																																										
COPY																																										
SPACE																																										
COPY																																										
SPACE																																										
COPY																																										
SPACE																																										
COPY																																										
SPACE																																										
COPY																																										
SPACE																																										

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

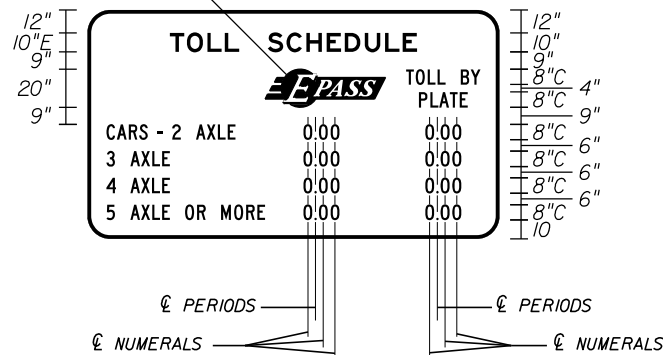
CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

GUIDE SIGN WORKSHEET
SIGN 101

SHEET NO.
S-33

SIGN NAME	103	STATION(S)	
QUANTITY	2	1	GM-3 137+00
WIDTH	18'-0"	2	GM-4 145+00
HEIGHT	10'-0"	3	
BORDER WIDTH	2"	4	
BORDER RADII	12"	5	
PANEL COLOR	White		
LEGEND	Black		
BORDER	Black		
SHEETING	3M Diamond Grade Cubed (DG3)		

LOGO EP-9 (SEE SHEET S-48)



- NOTES:
1. NUMERAL SPACING TO BE ADJUSTED SUCH THAT PERIODS AND COLUMNS OF NUMERALS LINE UP VERTICALLY.
 2. EACH COLUMN OF TOLL RATES TO BE CENTERED UNDER METHOD OF PAYMENT.
 3. BASED ON NOTES 1 AND 2, SPACE BETWEEN "AXLE" AND TOLL RATES IS SUBJECT TO CHANGE. ALSO APPLIES TO SIDE MARGINS ADJACENT TO TOLL RATES.
 4. CENTERLINES ARE FOR INFORMATIONAL PURPOSES ONLY.

COPY	T	O	L	L	S	C	H	E	D	U	L	E	LENGTH							
SPACE	43.2	36.3			15	78.2						43.3	129.5							
COPY	T	O	L	L	B	Y								LENGTH						
SPACE	93.1	63.2	10.7	20.7			8	10.3	10							112.9				
COPY	P	L	A	T	E									LENGTH						
SPACE	173.8	25.5			16.7									25.5						
COPY	C	A	R	S	-	2	A	X	L	E	0	.	0	0	0	.	0	0	LENGTH	
SPACE	10	21.6			5	6	5	4.5	8	20.7		34.4	19	42.8	19	20				186
COPY	3	A	X	L	E	0	.	0	0	0	.	0	0							LENGTH
SPACE	10	4.5	8	20.7		72	19	42.8		19	20							186		
COPY	4	A	X	L	E	0	.	0	0	0	.	0	0							LENGTH
SPACE	10	5	7.5	20.7		72	19	42.8		19	20							186		
COPY	5	A	X	L	E	0	R	M	O	R	E	0	.	0	0	0	.	0	0	LENGTH
SPACE	10	4.5	8	20.7		8	10.8	8	23.1		22.1	19	42.8	19	20					186
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DRMP
 ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
 PHONE: (407) 896-0594 FAX: (407) 896-4836
 CERTIFICATE OF AUTHORIZATION NO. 2648
 CARLOS MARTINEZ, P.E. LICENSE NO. 51429

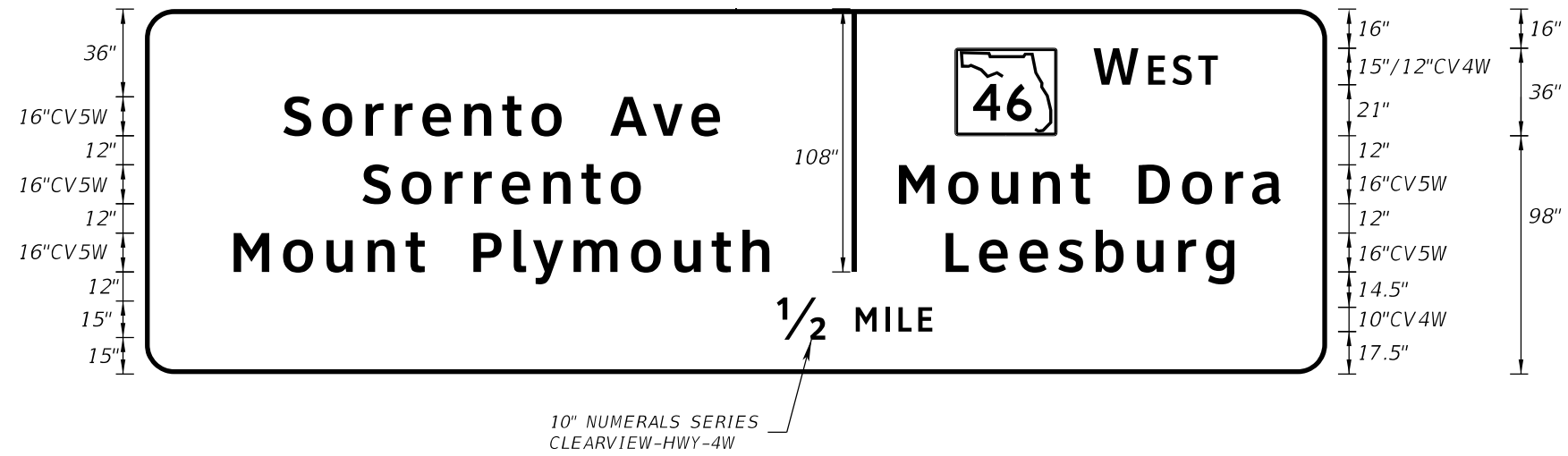
CFX PROJ. NO.
429-206

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

GUIDE SIGN WORKSHEET
SIGN 103

SHEET NO.
S-35

SIGN NAME	107	STATION(S)	
QUANTITY	1	1	0T-4 466+97
WIDTH	40'-6"	2	
HEIGHT	12'-6"	3	
BORDER WIDTH	2"	4	
BORDER RADII	12"	5	
PANEL COLOR	Green		
LEGEND	White		
BORDER	White		
SHEETING	3M Diamond Grade Cubed (DG3)		



COPY	SPACE	S	o	r	r	e	n	t	o	A	v	e		46	W	E	S	T	LENGTH					
	55.9	114.4											20	45.1	55.8	2	41.3	42	15	51.1	43.4	386.7		
COPY		S	o	r	r	e	n	t	o		M	o	u	n	t	D	o	r	a	LENGTH				
	89.4	114.4											87.4	2	16.8	78.5			20	58.6	18.9	377.7		
COPY		M	o	u	n	t	P	l	y	m	o	u	t	h		L	e	e	s	b	u	r	g	LENGTH
	36.5	78.5											20	121.8			34.4	2	36	118.7			38.1	411.4
COPY		1/2	M	I	L	E																LENGTH		
	260.2	20	12.5	31.6			161.7															64.1		
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								
COPY																								
SPACE																								

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

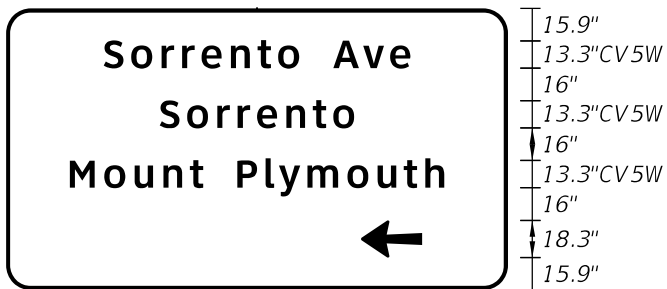
CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

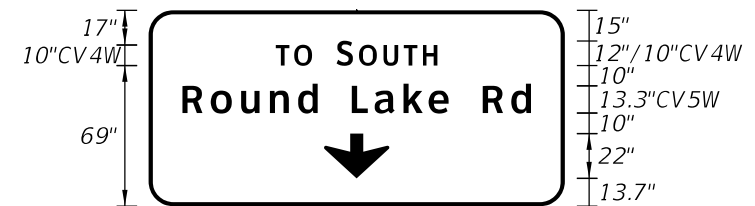
GUIDE SIGN WORKSHEET
SIGN 107

SHEET NO.
S-37

SIGN NAME	110	STATION(S)
QUANTITY	1	07-2 496+20
WIDTH	20'-6"	2
HEIGHT	11'-6"	3
BORDER WIDTH	2"	4
BORDER RADII	12"	5
PANEL COLOR	Green	
LEGEND	White	
BORDER	White	
SHEETING	3M Diamond Grade Cubed (DG3)	



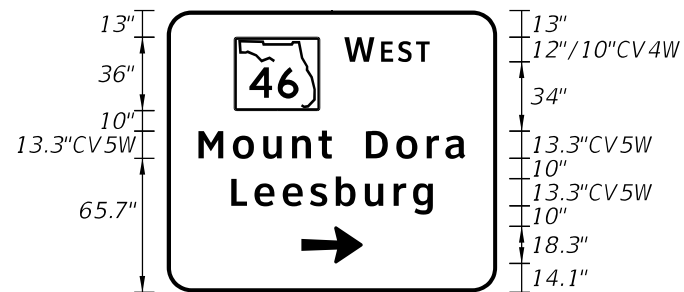
SIGN NAME	111	STATION(S)
QUANTITY	1	07-2 496+20
WIDTH	16'-6"	2
HEIGHT	8'-0"	3
BORDER WIDTH	2"	4
BORDER RADII	12"	5
PANEL COLOR	Green	
LEGEND	White	
BORDER	White	
SHEETING	3M Diamond Grade Cubed (DG3)	



LENGTH															
COPY		S	o	r	r	e	n	t	o	A	v	e	150.4		
SPACE	47.8	95.9					16.7		37.8		47.8				
COPY		S	o	r	r	e	n	t	o				95.3		
SPACE	75.4	95.3					75.3								
COPY		M	o	u	n	t	P	l	y	m	o	u	t	h	183.5
SPACE	31.3	65.4			16.7		101.4			31.2					
COPY		←													30
SPACE	174	30	42												
COPY															
SPACE															
COPY															
SPACE															

LENGTH															
COPY		T	O	S	O	U	T	H							79.3
SPACE	59.4	17.7		12		49.6			59.3						
COPY		R	o	u	n	d	L	a	k	e	R	d			164.1
SPACE	17	66.4			13.3		47.5		13.3		23.6		16.9		
COPY		↓													32
SPACE	83	32	83												
COPY															
SPACE															
COPY															
SPACE															
COPY															
SPACE															

SIGN NAME	112	STATION(S)
QUANTITY	1	07-2 496+20
WIDTH	13'-6"	2
HEIGHT	11'-6"	3
BORDER WIDTH	2"	4
BORDER RADII	12"	5
PANEL COLOR	Green	
LEGEND	White	
BORDER	White	
SHEETING	3M Diamond Grade Cubed (DG3)	



SIGN NAME		STATION(S)
QUANTITY	1	
WIDTH	2	
HEIGHT	3	
BORDER WIDTH	4	
BORDER RADII	5	
PANEL COLOR		
LEGEND		
BORDER		
SHEETING		

NOT
USED

LENGTH															
COPY		46	W	E	S	T									95.9
SPACE	33.1	42	12	41.9			33								
COPY		M	o	u	n	t	D	o	r	a					130.9
SPACE	15.6	65.4			16.7		48.8		15.5						
COPY		L	e	e	s	b	u	r	g						98.9
SPACE	31.6	98.9					31.5								
COPY		→													30
SPACE	66	30	66												
COPY															
SPACE															
COPY															
SPACE															

LENGTH															
COPY															
SPACE															
COPY															
SPACE															
COPY															
SPACE															
COPY															
SPACE															
COPY															
SPACE															

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



CFX PROJ. NO.
429-206

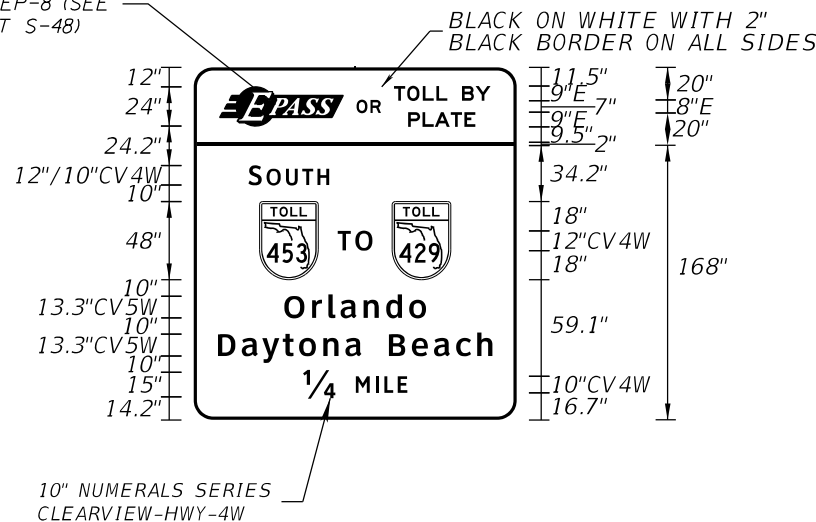
CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

GUIDE SIGN WORKSHEET		SHEET NO.
SIGNS 110, 111, 112		S-38

SIGN NAME	118	STATION(S)	
QUANTITY	1	1	GM-9 NA
WIDTH	16'-6"	2	
HEIGHT	18'-0"	3	
BORDER WIDTH	2"	4	
BORDER RADII	12"	5	
PANEL COLOR	Green		
LEGEND	White		
BORDER	White		
SHEETING	3M Diamond Grade Cubed (DG3)		

NOTES:
1. TOLL ROUTE SHIELD TO BE USED
IS TM2 (SEE SHEET S-47).

LOGO EP-8 (SEE SHEET S-48)



SIGN NAME		STATION(S)
QUANTITY	1	
WIDTH	2	
HEIGHT	3	
BORDER WIDTH	4	
BORDER RADII	5	
PANEL COLOR		
LEGEND		
BORDER		
SHEETING		

NOT USED

COPY	P A S S O R T O L L B Y												LENGTH			
SPACE	15.9	75.9	8	15.1	8	32.7			9	17.5	15.9		166.2			
COPY	P L A T E			T O L L			B Y						LENGTH			
SPACE	131.9	41.2			24.9									41.2		
COPY	S O U T H			T O									LENGTH			
SPACE	33.6	49.6			114.8									49.6		
COPY	T O L L			T O L L									LENGTH			
SPACE	40.4	36	12	21.3	12	36	40.3							117.3		
COPY	O R L A N D O												LENGTH			
SPACE	55.6	86.9						55.5						86.9		
COPY	D A Y T O N A						B E A C H						LENGTH			
SPACE	14.9	88						16.7						63.5	14.9	168.2
COPY	1/4			M I L E									LENGTH			
SPACE	67	20	12.5	31.6			66.9						64.1			
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																
COPY																
SPACE																

COPY													LENGTH
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													
COPY													
SPACE													

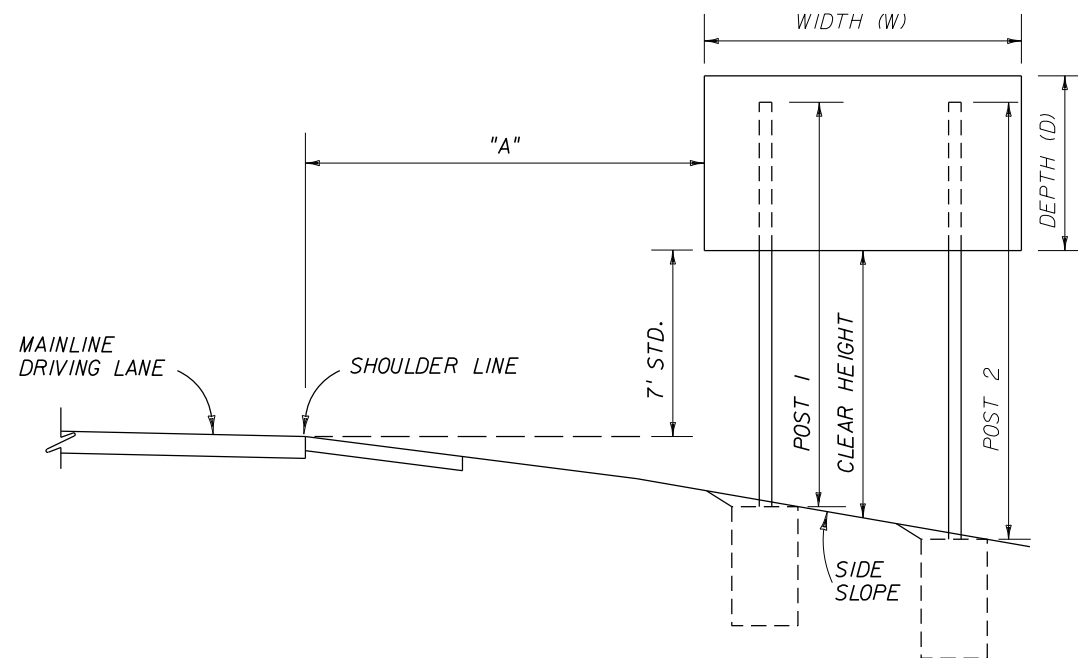
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

CFX PROJ. NO.
429-206

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

GUIDE SIGN WORKSHEET
SIGN 118
S-39


MULTI-POST SIGN DATA									
HORIZONTAL CLEARANCE (A) (ft)	STATION	SIGN NO.	SIGN SIZE (D x W) (ft)	SIDE SLOPE (RUN:RISE)	CLEAR HEIGHT (ft)	NO. OF POSTS	AVERAGE LENGTH OF POSTS (ft)	STEEL POSTS	ALUMINUM I-BEAMS
5' FROM FACE OF GUARDRAIL	106+00	GM-1	9'-0" X 19'-6"	6:1	7.30	2	15.495	W8 X 18	I 10 X 10.286
40' FROM EDGE OF TRAVEL LANE	129+00	GM-2	9'-6" X 14'-0"	3:1	14.30	2	20.785	W8 X 24	I 12 X 14.292
5' FROM FACE OF GUARDRAIL	137+00	GM-3	10'-0" X 18'-0"	6:1	7.65	2	16.700	W8 X 18	I 10 X 10.286
40' FROM EDGE OF TRAVEL LANE	145+00	GM-4	10'-0" X 18'-0"	3:1	4.75	2	13.800	W8 X 18	I 9 X 8.361
57'-9" FROM EDGE OF TRAVEL LANE	153+00	GM-5	9'-6" X 14'-0"	5:1	13.60	2	20.085	W8 X 24	I 12 X 14.292
8'-6" FROM FACE OF CURB	208+00	GM-7	7'-0" X 10'-0"	27:1	6.55	2	13.035	W6 X 12	I 8 X 6.181
8'-6" FROM FACE OF CURB	230+00	GM-8	7'-0" X 10'-0"	4:1	7.20	2	13.685	W6 X 12	I 8 X 6.181
16'-6" FROM EDGE OF TRAVEL LANE	NA	GM-9	21'-0" X 16'-6"	15:1	9.84	2	26.810	W12 X 45	I 12 X 14.292
5' FROM EDGE OF BARRIER WALL	105+00	GM-10	4'-0" X 6'-0"	20:1	8.04	2	11.700	S3 X 5.7	I 6 X 4.030

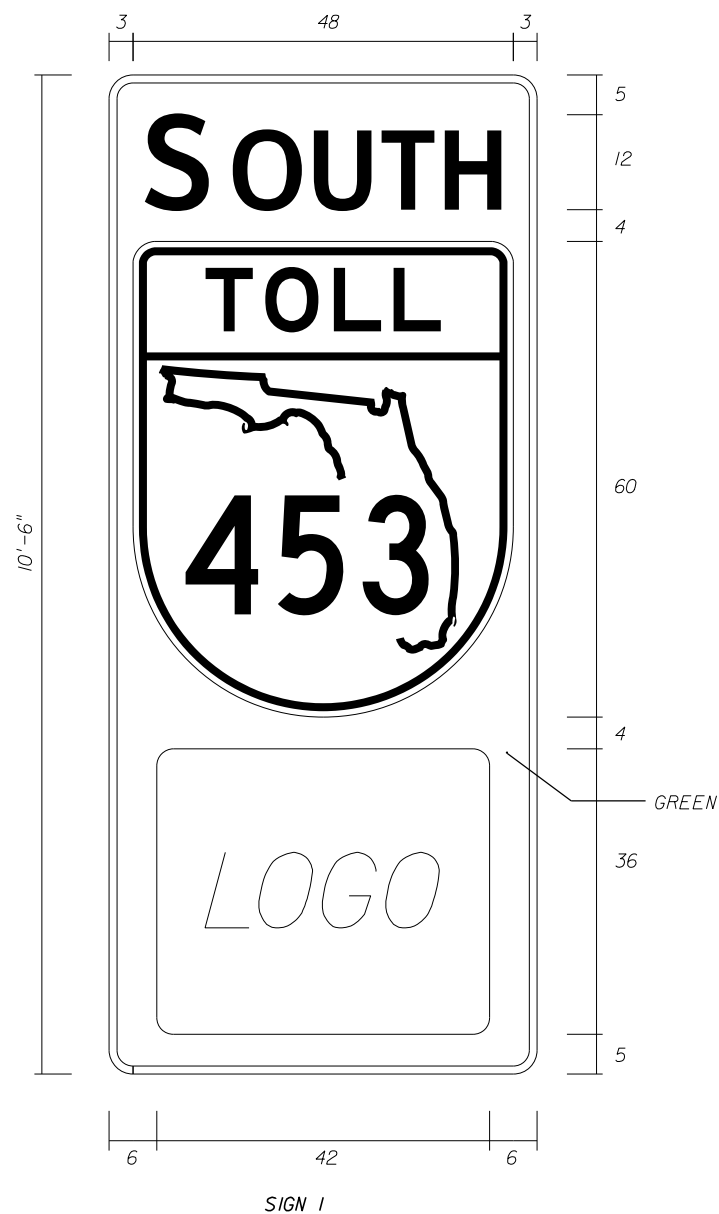


TYPICAL SECTION FOR PLACEMENT OF MULTI-POST SIGNS

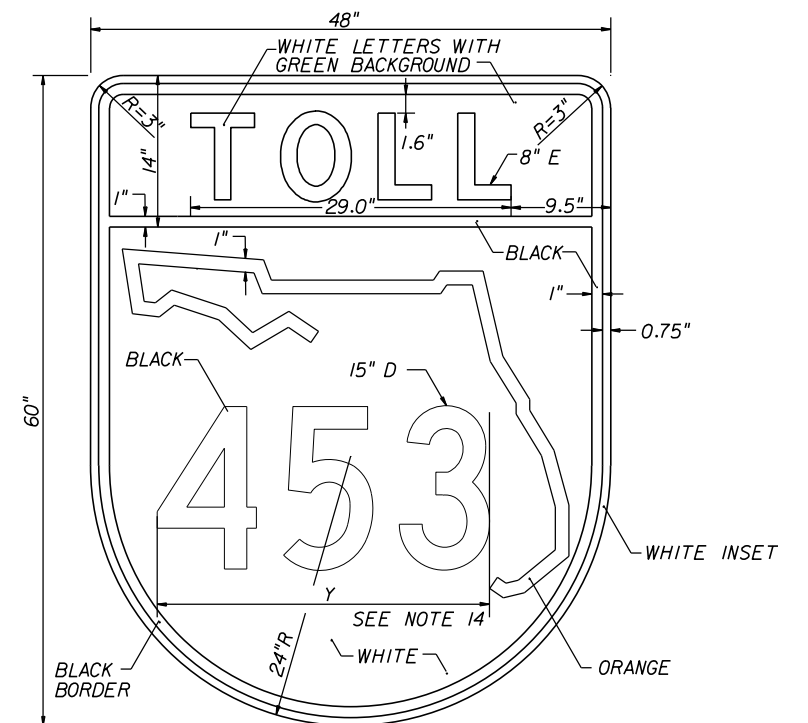
NOTES:

- FOR ADDITIONAL DETAILS AND NOTES SEE STANDARD INDEX NOS. 11200 AND 17302.
- AUXILIARY SIGN PANELS ARE ATTACHED IN ACCORDANCE WITH STANDARD INDEX NO. 13417. THESE AUXILIARY PANELS CAN BE CENTERED, LEFT OR RIGHT JUSTIFIED PER PLANS.
- CLEAR HEIGHT IS THE DISTANCE BETWEEN THE BOTTOM OF THE MAIN SIGN PANEL AND THE GROUND AT THE CENTER OF THE MAIN SIGN PANEL.
- AVERAGE LENGTH OF POSTS COLUMN IS APPLICABLE TO STEEL POSTS AND ALUMINUM BEAMS.
- SIGN ASSEMBLIES ARE DESIGNED FOR 130 MPH WINDSPEED AND SHALL CONFORM TO AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 6TH EDITION (WITH 2015 INTERIM REVISIONS).

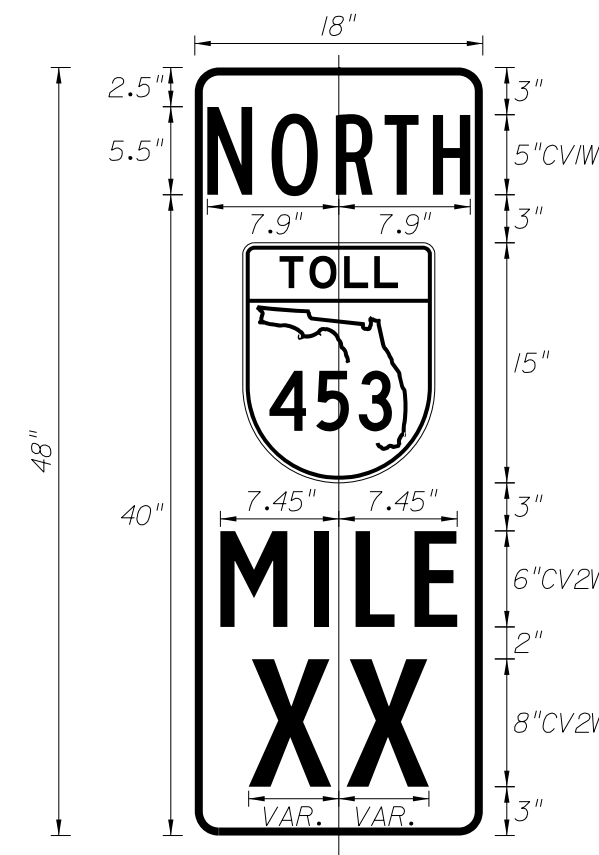
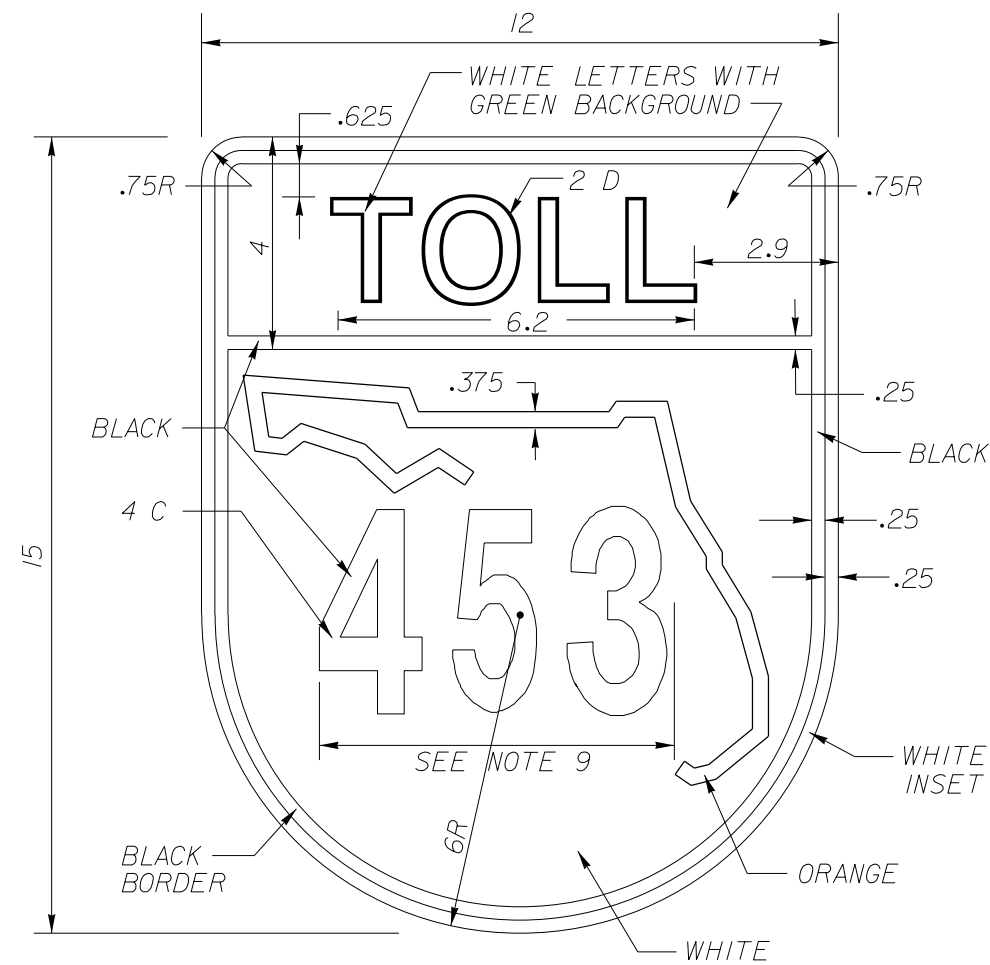
REVISIONS				 DRMP <small>ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS</small> <small>DRMP, INC.</small> <small>941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814</small> <small>PHONE: (407) 896-0594 FAX: (407) 896-4836</small> <small>CERTIFICATE OF AUTHORIZATION NO. 2648</small> <small>CARLOS MARTINEZ, P.E. LICENSE NO. 51429</small>	CFX PROJ. NO.	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	MULTI-POST SIGN TABLE OF VARIABLES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
				429-206			S-42	



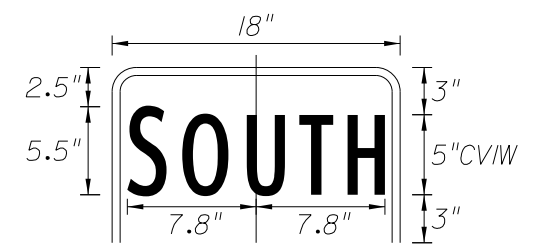
1. PANELS SHALL BE FABRICATED USING 3M COMPANY DIAMOND GRADE CUBED (DG3) SHEETING OR AUTHORITY APPROVED EQUAL.
2. MAIN PANEL:
BACKGROUND: GREEN
BORDER: WHITE
BORDER WIDTH: 1"
CORNER RADIUS: 3"
3. CARDINAL DIRECTION: WHITE
4. MAKE FIRST LETTER OF CARDINAL DIRECTION 20% LARGER MINIMUM. ALL LETTERS ARE BOTTOM JUSTIFIED.
5. TOLL SHIELD AND LOGO SPECIAL COLORS:
ORANGE: 3M COMPANY EC FILM NO. 1174 OR AUTHORITY APPROVED EQUAL
6. LOGO SHALL BE CENTERED WITHIN A 42"x36" WHITE RECTANGLE. THE WHITE RECTANGLE SHALL BE USED IN VERTICAL AND HORIZONTAL PANEL DIMENSIONING.
7. GRAPHIC FILES FOR THE TOLL SHIELD AND LOGO CAN BE PROVIDED FOR USE IN FABRICATION UPON REQUEST.
8. FABRICATOR SHALL APPLY AS THE TOP LAYER, 3M COMPANY EC FILM 1170 CLEAR ON THE AUTHORITY DESIGNATED ORANGE. INSTALLATION SHALL BE PART OF A 3M MATCHED COMPONENT SYSTEM AND MEET ALL 3M SIGN FABRICATION REQUIREMENTS. CONTACT 3M COMPANY 1-800-553-1380.
9. ALL DIMENSIONS ON SHEET ARE IN INCHES.
10. IF A COLOR AND/OR SHEETING OTHER THAN THOSE NOTED SPECIFICALLY AS 3M COMPANY PRODUCTS ARE TO BE USED, CONTRACTOR SHALL PROVIDE A 4" X 4" SAMPLE IN ALL COLORS. NO FABRICATION SHALL COMMENCE UNTIL THE SAMPLE HAS BEEN REVIEWED AND WRITTEN ACCEPTANCE RECEIVED FROM THE AUTHORITY. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
11. DETAILED SHOP DRAWINGS ARE REQUIRED. ONE REPRESENTATIVE SHOP DRAWING PER CARDINAL DIRECTION MAY BE SUBMITTED PROVIDED THE APPROPRIATE QUANTITY IS SHOWN PER DIRECTION.
12. FABRICATOR SHALL USE STATE OUTLINE CONFIGURATION SHOWN IN TOLL SHIELD DETAIL.
13. FABRICATOR TO REDUCE CARDINAL DIRECTION COPY SPACING AS NEEDED TO MEET SPECIFIED LENGTHS.
14. FABRICATOR SHALL USE STANDARD HORIZONTAL SPACING FOR NUMERALS IN ROUTE SHIELD WHEN POSSIBLE. FABRICATOR SHALL OPTICALLY ADJUST NUMERAL SPACING AS NEEDED TO PREVENT OVERLAP ONTO THE STATE OUTLINE OR SHIELD BORDER.



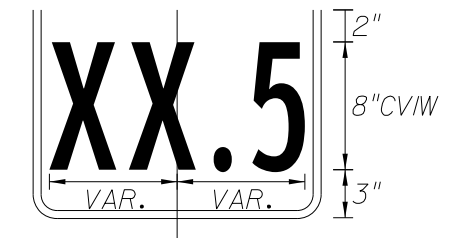
COPY SPACING			SIZE/SERIES
	SOUTH		12/10 CV3W
4.5	45	4.5	



OR



OR



NOTES:

1. PANELS SHALL BE FABRICATED USING 3M COMPANY DIAMOND GRADE CUBED (DG3) SHEETING OR AUTHORITY APPROVED EQUAL.
2. MAIN PANEL:
BACKGROUND: GREEN
LEGEND AND BORDER: WHITE
BORDER WIDTH: 0.5"
CORNER RADII: 1.5"
3. MAKE FIRST LETTER OF CARDINAL DIRECTION 10% LARGER (AS SHOWN). ALL LETTERS ARE BOTTOM JUSTIFIED.
4. TOLL SHIELD COLORS:
BLACK
WHITE
GREEN
ORANGE: 3M COMPANY EC FILM NO. 1174 OR AUTHORITY APPROVED EQUAL
5. FABRICATOR SHALL APPLY TOP LAYER 3M COMPANY EC FILM 1170 CLEAR ON THE AUTHORITY DESIGNATED ORANGE. INSTALLATION SHALL BE PART OF A 3M MATCHED COMPONENT SYSTEM AND MEET ALL 3M FABRICATION REQUIREMENTS. CONTACT 3M COMPANY 1-800-553-1380.
6. ALL DIMENSIONS ON SHEET ARE IN INCHES.
7. IF A COLOR AND/OR SHEETING OTHER THAN THOSE NOTED SPECIFICALLY AS 3M COMPANY PRODUCTS ARE TO BE USED, CONTRACTOR SHALL PROVIDE 4" X 4" SAMPLE IN ALL COLORS. NO FABRICATION SHALL COMMENCE UNTIL THE SAMPLE HAS BEEN REVIEWED AND WRITTEN ACCEPTANCE RECEIVED FROM THE AUTHORITY. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
8. OPTICALLY LOCATE NUMERALS IN BOTH FORMATS (XX AND XX.5) ABOUT THE CENTERLINE OF PANEL.
9. FABRICATOR TO ADJUST HORIZONTAL SPACING AS NECESSARY TO FIT. DO NOT OVERLAP ONTO STATE OUTLINE OR SHIELD BORDER.
10. DETAILED SHOP DRAWINGS ARE REQUIRED.
11. FABRICATOR SHALL USE THE STATE OUTLINE CONFIGURATION SHOWN IN THE TOLL SHIELD DETAIL.

SR 453 MILEPOSTS

M.P. NO.	PROP. STATION	AS-BUILT STATION	LOCATION REFERENCE POINT
1.5	98+29.88		OT-3 STA. 108+00
2.0	124+69.88		OT-3 STA. 108+00
2.5	151+09.88		OT-1 STA. 149+00
3	477+49.88		OT-5 STA. 479+35

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

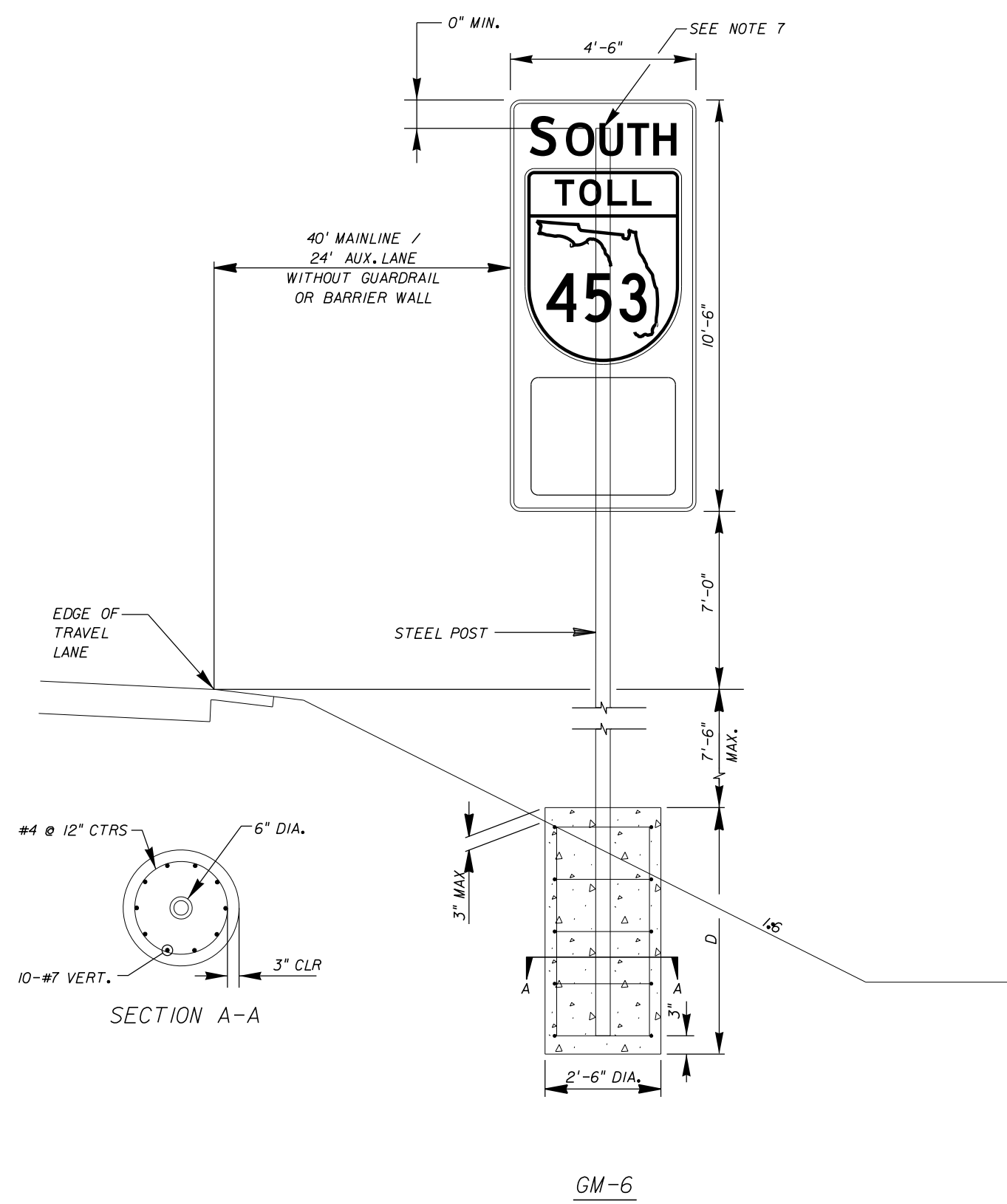
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

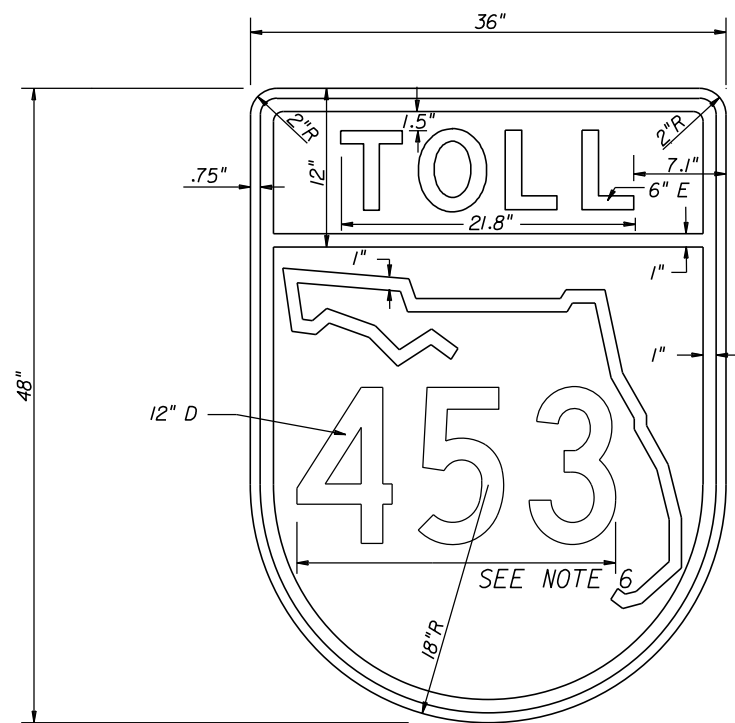
**SPECIAL DESIGN MILEPOST
AND
LOCATIONS TABLE**

SHEET
NO.
S-44



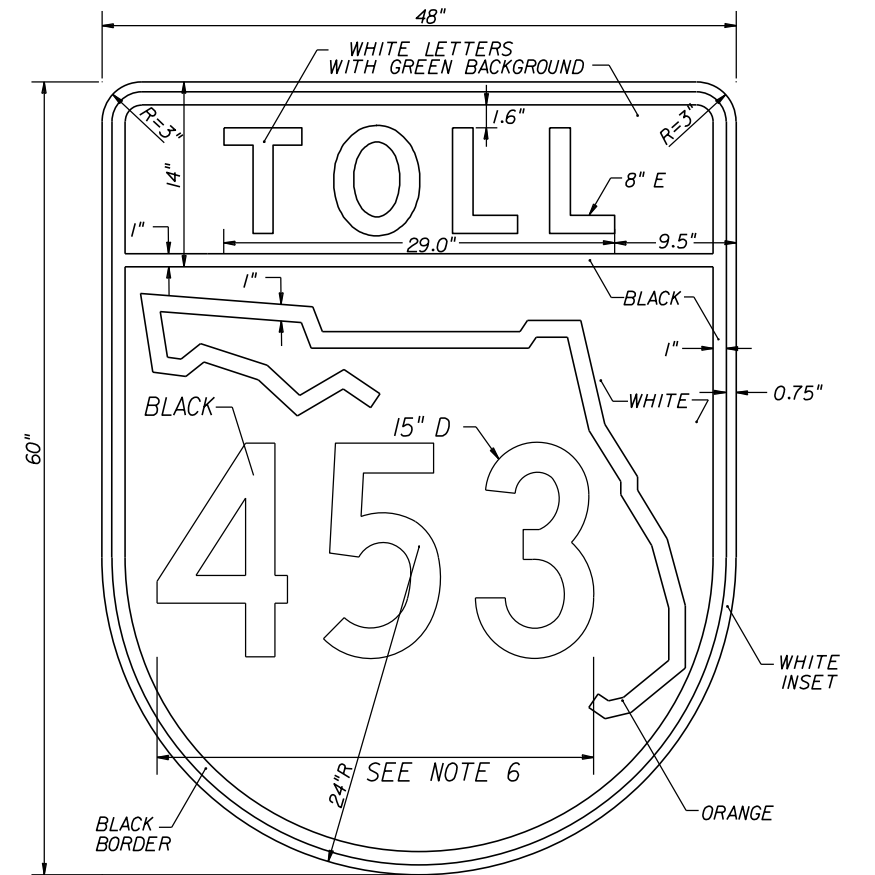
- NOTES:**
- DESIGN ACCORDING TO FDOT STRUCTURES MANUAL (2014).
 - MATERIAL:**
 - STEEL POST SHALL CONFORM TO ASTM A500 GRADE B ($F_y = 42$ KSI), ROUND HSS 6x0.5 HOT DIPPED GALVANIZED PER ASTM A123.
 - REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
 - CONCRETE SHALL BE CLASS II, $f'_c = 3400$ PSI IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 346
 - FOUNDATION: SEE GENERAL NOTES, FOUNDATION, IN INDEX I1200.
 - SOIL PROPERTIES USED IN DESIGN:
 - SOIL UNIT WEIGHT: 50 PCF
 - SOIL INTERNAL FRICTION ANGLE: 30 DEGREES
 - SIGN ATTACHMENT BRACKETS SHALL BE IN ACCORDANCE WITH FDOT ROADWAY INDEX I1860.
Sign 4'-6" x 10'-6" : 5 BRACKETS
 - SHOP DRAWINGS: SUBMIT SHOP DRAWINGS FOR THE ASSEMBLY.
 - PROVIDE 1/4" THICK STEEL CAP ON TOP OF POST AND WELD AROUND TO THE POST.

DIM	SLOPE $\leq 1:5$	SLOPE $\leq 1:2$
D	9'-6"	11'-0"



NOTES:

1. COLORS INDICATED ON 48"x60" SHIELD ARE APPLICABLE TO ALL SIZES.
2. SHIELD TO BE FABRICATED WITH 3M COMPANY DIAMOND GRADE CUBED (DG3) REFLECTIVE SHEETING OR AUTHORITY APPROVAL EQUAL.
3. SHOP DRAWINGS ARE REQUIRED.
4. COLORS:
 BLACK
 WHITE
 GREEN
 ORANGE, 3M COMPANY EC FILM SERIES 1174 OR AUTHORITY APPROVED EQUAL.
 IF A COLOR AND/OR SHEETING OTHER THAN THOSE NOTED SPECIFICALLY AS 3M COMPANY PRODUCTS ARE TO BE USED, CONTRACTOR SHALL PROVIDE A 4" x 4" SAMPLE IN ALL COLORS. NO FABRICATION SHALL COMMENCE UNTIL THE SAMPLE HAS BEEN REVIEWED AND WRITTEN ACCEPTANCE RECEIVED FROM THE AUTHORITY. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
5. FABRICATOR SHALL APPLY AS THE TOP LAYER, 3M COMPANY EC FILM 1170 CLEAR ON THE AUTHORITY DESIGNATED ORANGE. INSTALLATION SHALL BE PART OF A 3M MATCHED COMPONENT SYSTEM AND MEET ALL 3M SIGN FABRICATION REQUIREMENTS. CONTACT 3M AT 1-800-553-1380.
6. FABRICATOR SHALL USE STANDARD HORIZONTAL SPACING FOR NUMERALS WITHIN A ROUTE SHIELD WHEN POSSIBLE. FABRICATOR SHALL OPTICALLY ADJUST NUMERAL SPACING AS NEEDED TO PREVENT OVERLAP ONTO THE STATE OUTLINE OR SHIELD BORDER.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

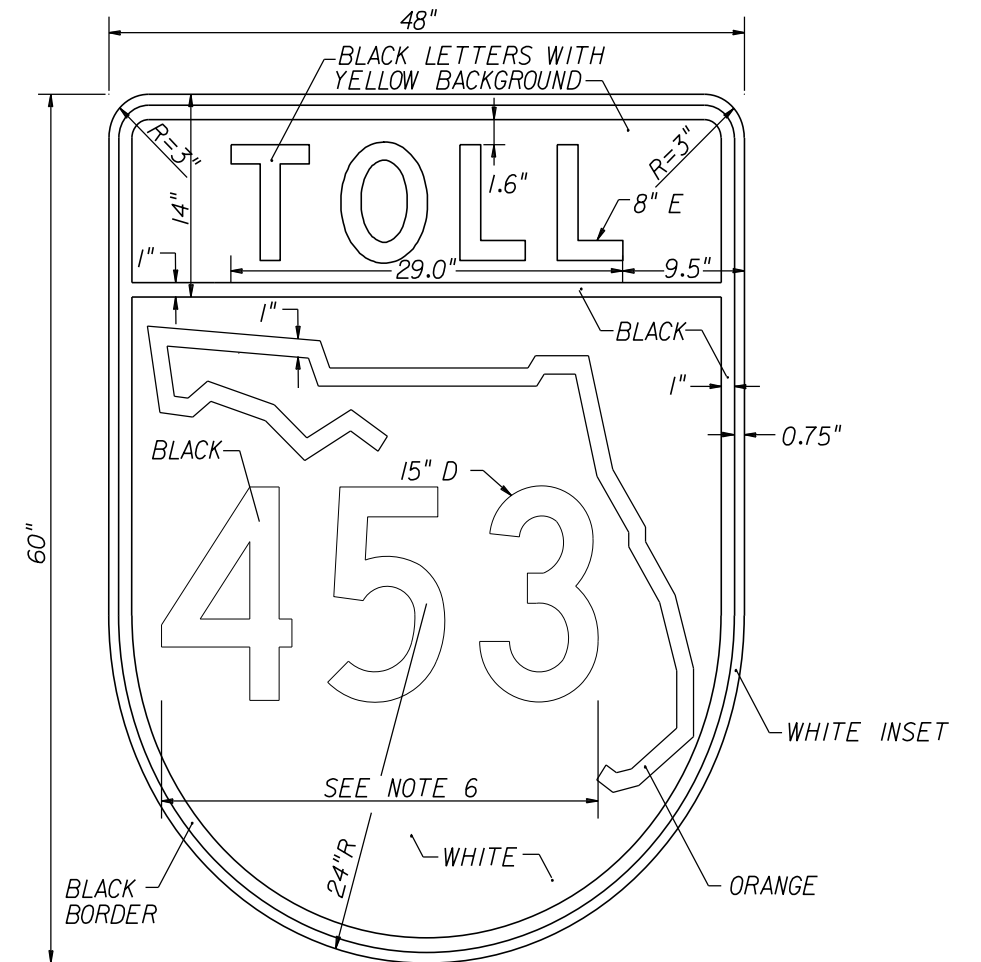
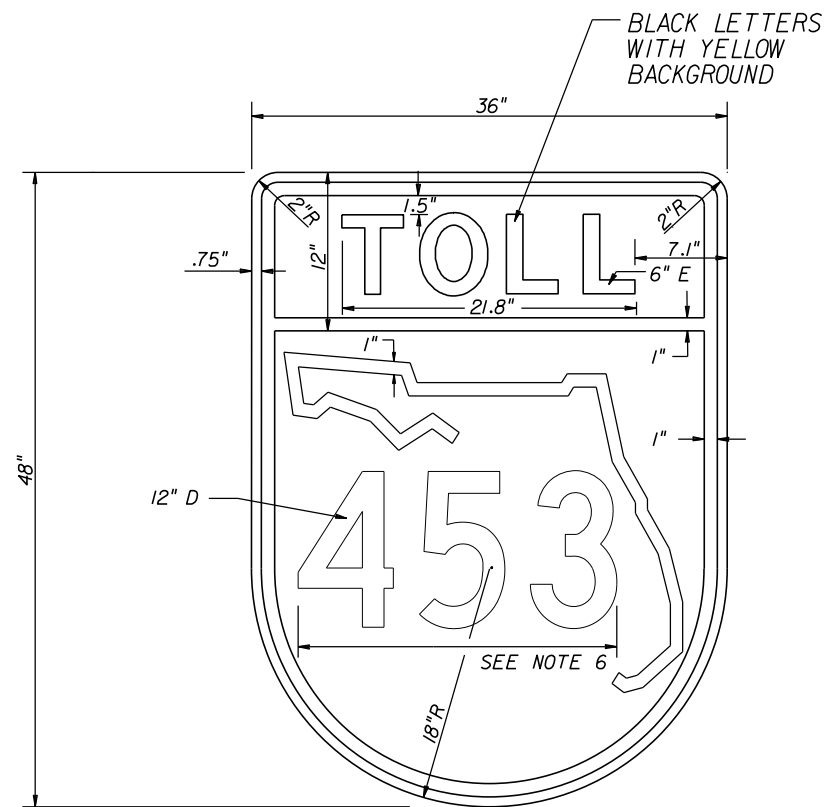

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
 FLORIDA
 EXPRESSWAY
 AUTHORITY


TOLL ROUTE SHIELD (TM)

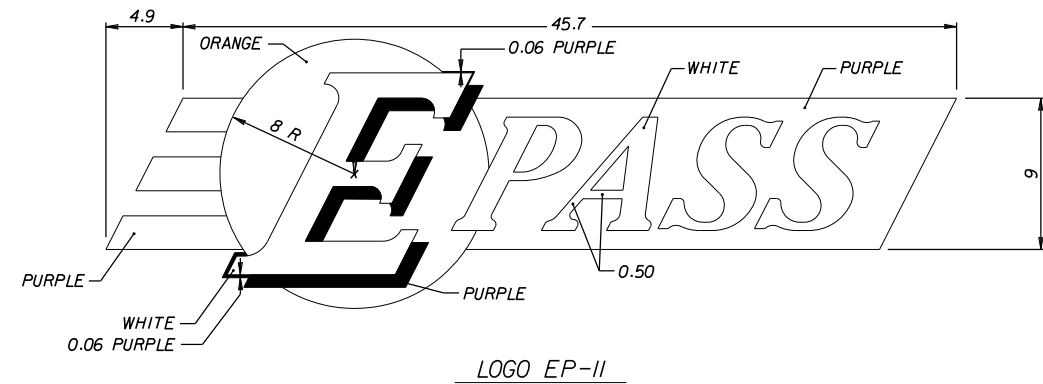
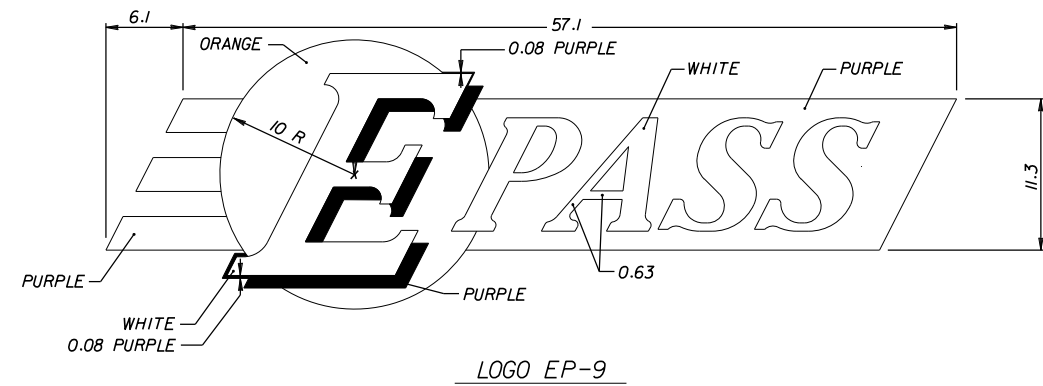
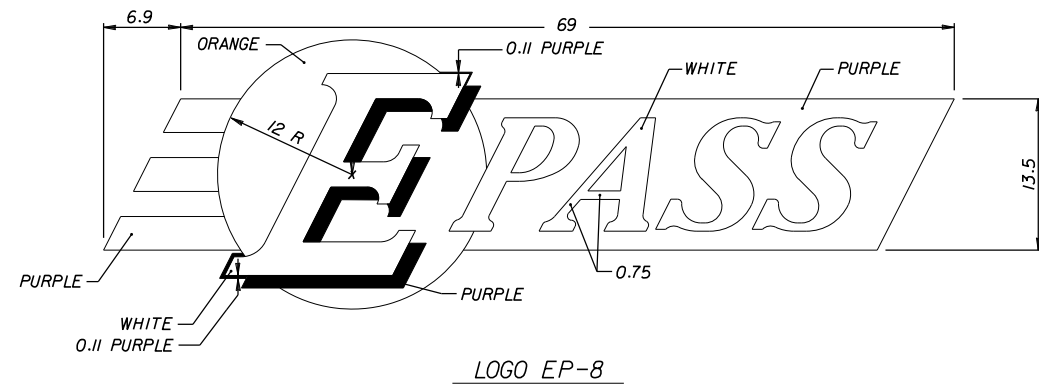
SHEET NO.
S-46



NOTES:

1. COLORS INDICATED ON 48"x60" SHIELD ARE APPLICABLE TO ALL SIZES.
2. SHIELD TO BE FABRICATED WITH 3M COMPANY DIAMOND GRADE CUBED (DG3) REFLECTIVE SHEETING OR AUTHORITY APPROVAL EQUAL.
3. SHOP DRAWINGS ARE REQUIRED.
4. COLORS:
 BLACK
 WHITE
 GREEN
 ORANGE, 3M COMPANY EC FILM SERIES I174 OR AUTHORITY APPROVED EQUAL.
 IF A COLOR AND/OR SHEETING OTHER THAN THOSE NOTED SPECIFICALLY AS 3M COMPANY PRODUCTS ARE TO BE USED, CONTRACTOR SHALL PROVIDE A 4" x 4" SAMPLE IN ALL COLORS. NO FABRICATION SHALL COMMENCE UNTIL THE SAMPLE HAS BEEN REVIEWED AND WRITTEN ACCEPTANCE RECEIVED FROM THE AUTHORITY. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
5. FABRICATOR SHALL APPLY AS THE TOP LAYER, 3M COMPANY EC FILM I170 CLEAR ON THE AUTHORITY DESIGNATED ORANGE. INSTALLATION SHALL BE PART OF A 3M MATCHED COMPONENT SYSTEM AND MEET ALL 3M SIGN FABRICATION REQUIREMENTS. CONTACT 3M AT 1-800-553-1380.
6. FABRICATOR SHALL USE STANDARD HORIZONTAL SPACING FOR NUMERALS WITHIN A ROUTE SHIELD WHEN POSSIBLE. FABRICATOR SHALL OPTICALLY ADJUST NUMERAL SPACING AS NEEDED TO PREVENT OVERLAP ONTO THE STATE OUTLINE OR SHIELD BORDER.

REVISIONS				 ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS DRMP, INC. 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814 PHONE: (407) 896-0594 FAX: (407) 896-4836 CERTIFICATE OF AUTHORIZATION NO. 2648 CARLOS MARTINEZ, P.E. LICENSE NO. 51429	CFX PROJ. NO.	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	TOLL ROUTE SHIELD (TM2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
				429-206			S-47	



EP LOGO NOTES:

1. ALL LOGOS AND SYMBOLS SHALL HAVE PRISMATIC RETROREFLECTIVE SHEETING, 3M COMPANY DIAMOND GRADE CUBED (DG3) OR AUTHORITY APPROVED EQUAL.
2. EPASS LOGO COLORS:
 - WHITE
 - PURPLE, 3M COMPANY DG3 RETROREFLECTIVE SHEETING MATCHING 3M 1170-13 VIOLET EC FILM OR AUTHORITY APPROVED EQUAL.
 - ORANGE, 3M EC FILM SERIES 1174 OR AUTHORITY APPROVED EQUAL.
3. IF COLORS AND/OR SHEETING OTHER THAN THOSE NOTED SPECIFICALLY AS 3M COMPANY ARE TO BE USED, CONTRACTOR SHALL SUBMIT 4"x4" SAMPLES OF EACH IN ALL REQUIRED COLORS. NO FABRICATION SHALL COMMENCE UNTIL SAMPLES HAVE BEEN REVIEWED AND WRITTEN ACCEPTANCE RECEIVED FROM THE AUTHORITY. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
4. FABRICATOR SHALL APPLY AS THE TOP LAYER, 3M COMPANY EC FILM 1170 CLEAR ON THE AUTHORITY DESIGNATED ORANGE. INSTALLATION SHALL BE PART OF A 3M MATCHED COMPONENT SYSTEM AND MEET ALL 3M SIGN FABRICATION REQUIREMENTS. CONTACT 3M AT 1-800-553-1380.
5. NARROW PORTIONS OF SPECIAL DESIGN COPY IN EPASS LOGOS SHALL HAVE MINIMUM THICKNESS AS FOLLOWS:
 - EP-8 = 0.75
 - EP-9 = 0.63
 - EP-11 = 0.50
6. ALL DIMENSIONS ARE IN INCHES.
7. FABRICATOR TO BE GIVEN A COMPUTER DISK OF ARTWORK AS NEEDED UPON REQUEST. FABRICATOR MUST SPECIFY FILE FORMAT REQUIRED HOWEVER, SOME FORMATS MAY NOT BE AVAILABLE.
8. DRAWINGS ARE NOT TO SCALE.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

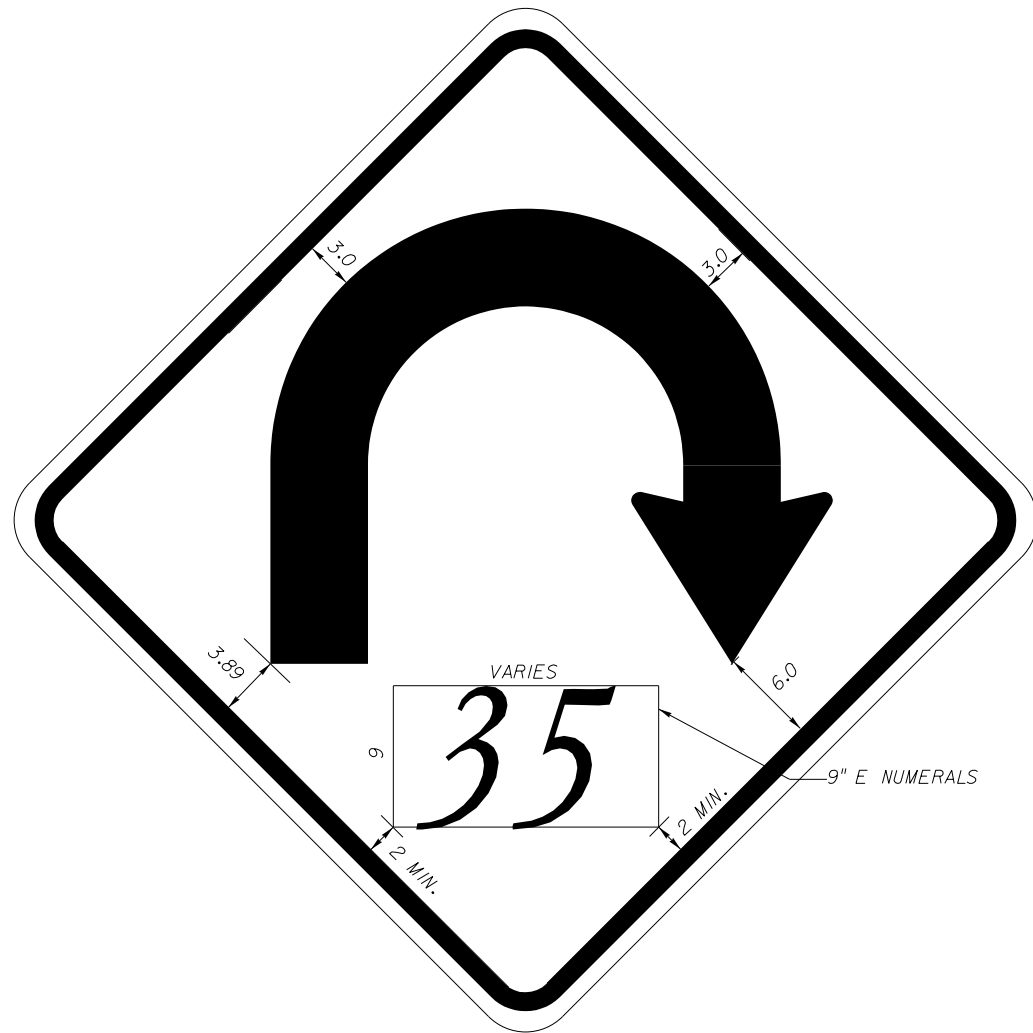

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

EPASS LOGOS


SHEET NO.
S-48



SIGN W1-11A
 48" x 48"
 QTY REQ'D 3

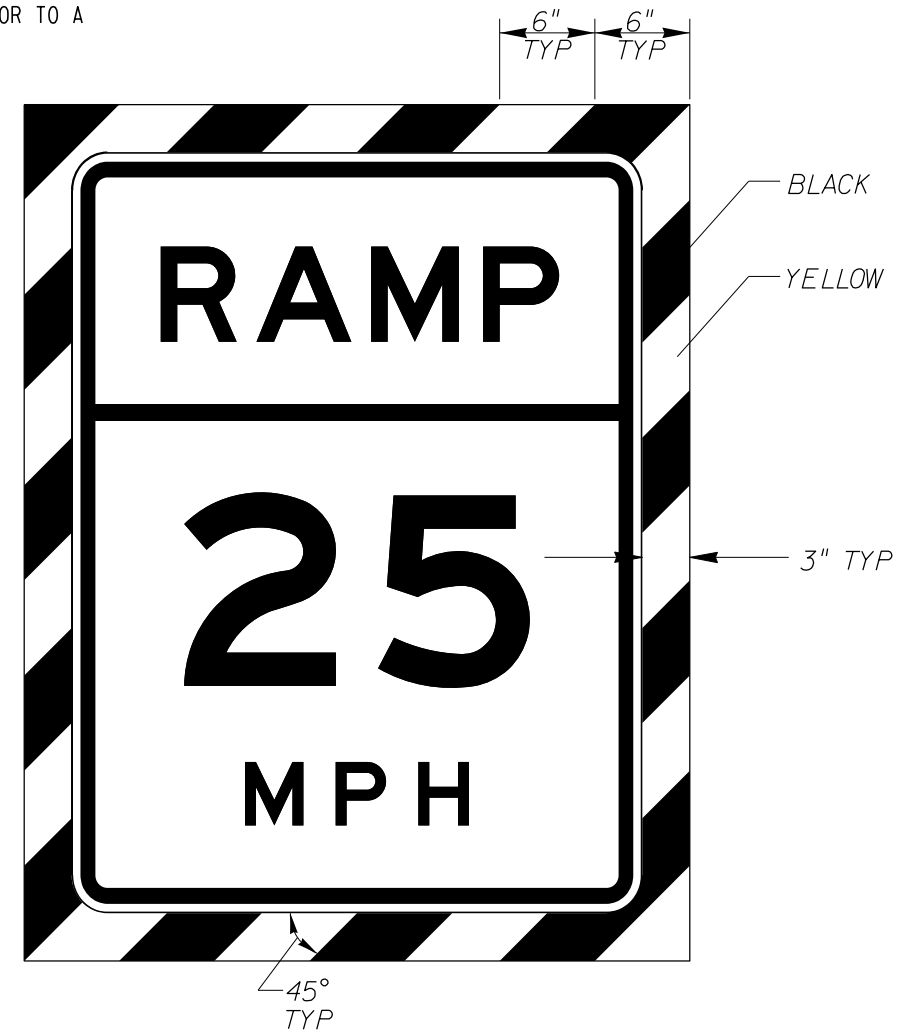
NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. SIGNS SHALL BE FABRICATED USING 3M FLUORESCENT YELLOW DIAMOND GRADE CUBED (DG3) REFLECTIVE SHEETING OR AUTHORITY APPROVED EQUAL. IF SHEETING OTHER THAN 3M FLUORESCENT YELLOW DG3 IS TO BE USED, A 4"x4" SAMPLE SHALL BE SUBMITTED TO THE AUTHORITY FOR APPROVAL PRIOR TO FABRICATION. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
3. SHOP DRAWINGS ARE REQUIRED.
4. BACKGROUND: FLUORESCENT YELLOW
5. COPY AND BORDER: BLACK
6. BORDER INSET: 0.75 INCHES.
7. BORDER WIDTH: 1.25 INCHES.
8. CORNER RADII: 3.00 INCHES.
9. USE ARROW DESIGNS FROM STANDARD PANELS W1-II AS FOUND IN THE FHWA STANDARD HIGHWAY SIGNS.
10. OPTICALLY LOCATE NUMERALS.

REVISIONS		DATE	DESCRIPTION	 DRMP <small>ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS DRMP, INC. 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814 PHONE: (407) 896-0594 FAX: (407) 896-4836 CERTIFICATE OF AUTHORIZATION NO. 2648 CARLOS MARTINEZ, P.E. LICENSE NO. 51429</small>	CFX PROJ. NO.	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	SPECIAL CURVE WARNING SIGN W1-11A	SHEET NO.
DATE	DESCRIPTION				429-206			S-49

SIGN	W13-3
QUANTITY	1
WIDTH	3'-6"
HEIGHT	4'-6"
BORDER WIDTH	
BORDER RADIUS	
BORDER INSET	
BACKGROUND COLOR	YELLOW
LEGEND/BORDER COLOR	BLACK
SHEETING	DG3
ARROW SIZE (ANGLE)	
STATION/STRUCTURE	

1. USE STANDARD 36" X 48" W13-3 SIGN FACE WITH A 3" WIDE FLOURESCENT CONSPICUITY STRIP ON EACH SIDE.
2. CONSPICUITY STRIP SHALL NOT HAVE A BORDER OR CORNER RADIUS.
3. W13-3 AND CONSPICUITY STRIP SHALL BE APPLIED TO A SINGLE SHEET OF ALUMINUM. THE CONSPICUITY STRIP SHALL NOT BE ATTACHED TO A STANDARD W13-3 OR TO A PRE-CUT 36"X48" SIGN BLANK.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

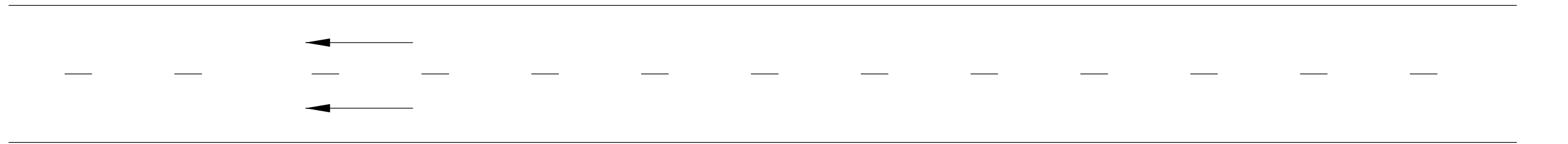
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
 PHONE: (407) 896-0594 FAX: (407) 896-4836
 CERTIFICATE OF AUTHORIZATION NO. 2648
 CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

*LOOP RAMP
SPECIAL SIGN DETAIL*

SHEET NO.
S-50



MAINLINE

DIRECTION OF TRAVEL

500'

EDGE OF TRAVEL LANE

LINE OF SIGHT

VARIES

PROPOSED SIGN
(SINGLE OR
MULTI-POST)

INDICATES LIMITS OF
VEGETATION REMOVAL OR
TRIMMING



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.

429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

*LINE OF SIGHT
FOR USE ON MAINLINE*

SHEET
NO.

S-51

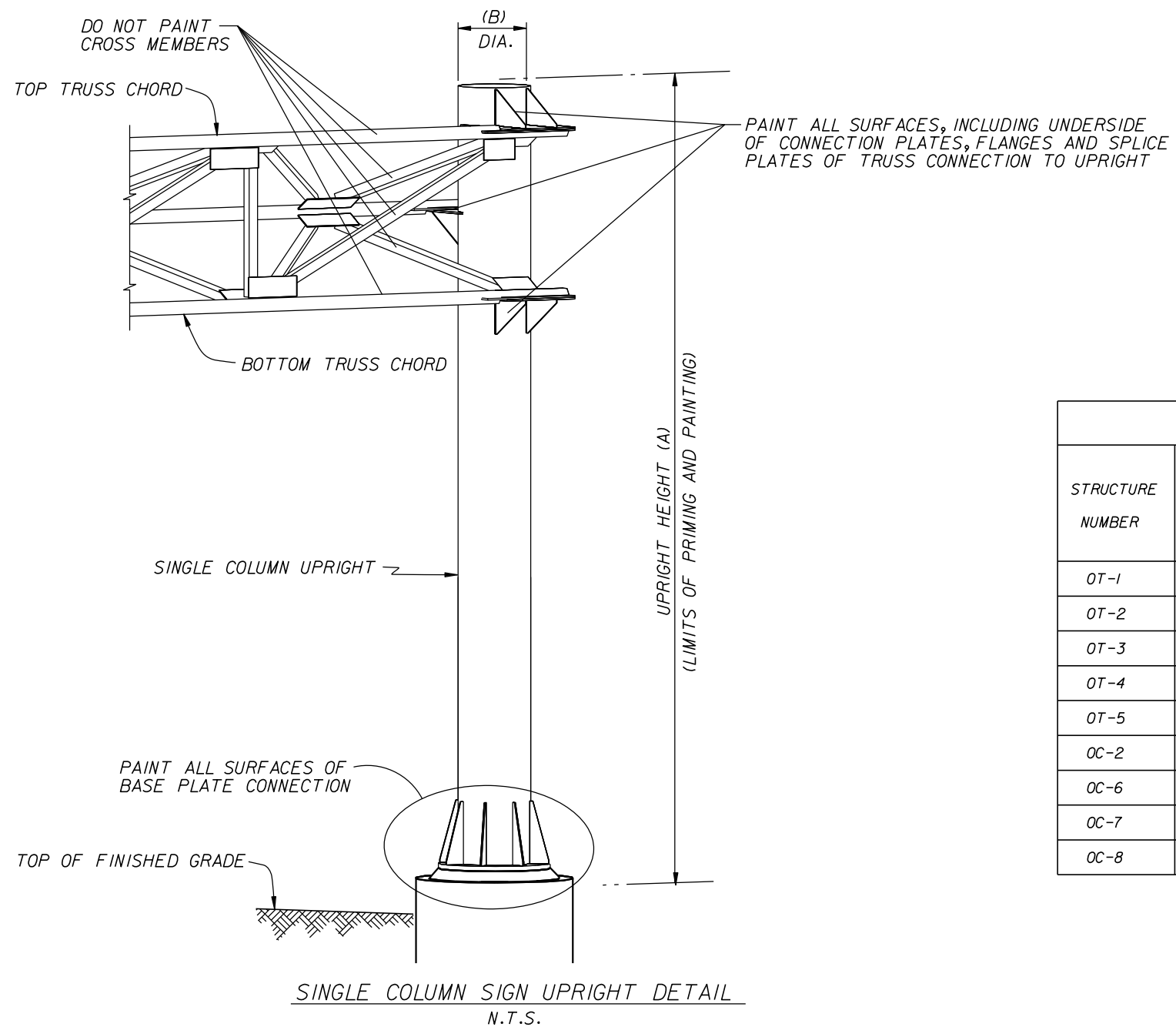


TABLE OF UPRIGHT PAINTING VARIABLES							
STRUCTURE NUMBER	STATION	STRUCTURE TYPE	SINGLE COLUMN UPRIGHT				NO. UPRIGHTS PER STR.
			HEIGHT (A)		DIAMETER (B)		
			LT	RT	LT	RT	
OT-1	149+00	SPAN	29'-5 3/8"	28'-2 3/8"	24"	24"	2
OT-2	496+20	SPAN	32'-5 3/8"	29'-11 3/8"	24"	24"	2
OT-3	108+00	SPAN	35'-11 5/16"	35'-11 5/16"	30"	30"	2
OT-4	466+97	SPAN	29'-10 5/16"	42'-7 5/16"	24"	30"	2
OT-5	479+35	SPAN	34'-2 5/16"	31'-8 5/16"	24"	24"	2
OC-2	159+00	CANTILEVER		31'-9 7/16"		36"	1
OC-6	211+90	CANTILEVER		38'-2 7/8"		30"	1
OC-7	218+50	CANTILEVER	37'-8 7/8"		30"		1
OC-8	227+00	CANTILEVER	35'-9 7/16"		36"		1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


DRMP
 ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
 PHONE: (407) 896-0594 FAX: (407) 896-4836
 CERTIFICATE OF AUTHORIZATION NO. 2648
 CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
 429-206

CENTRAL
 FLORIDA
 EXPRESSWAY
 AUTHORITY

SIGN UPRIGHT PAINTING

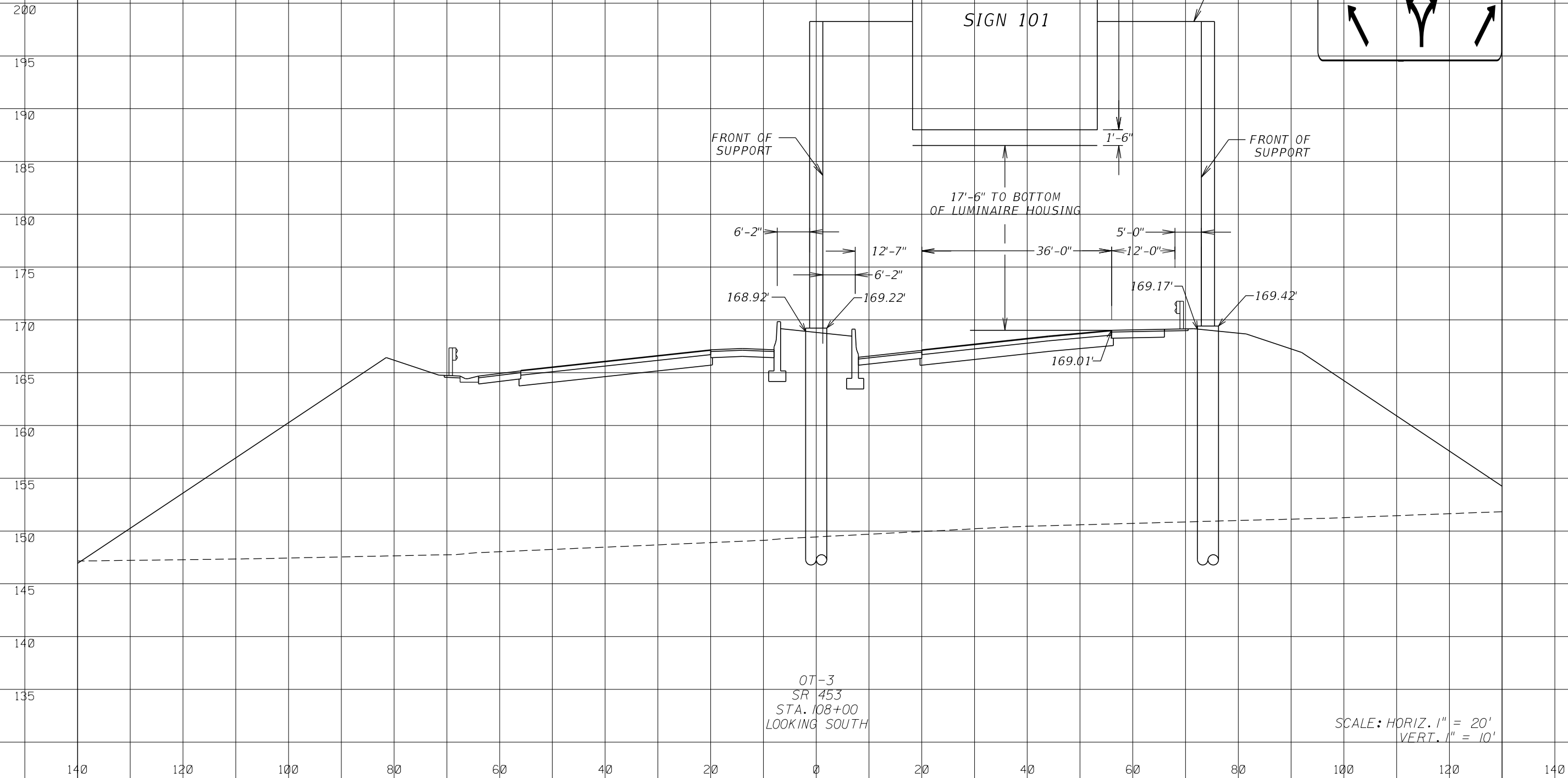
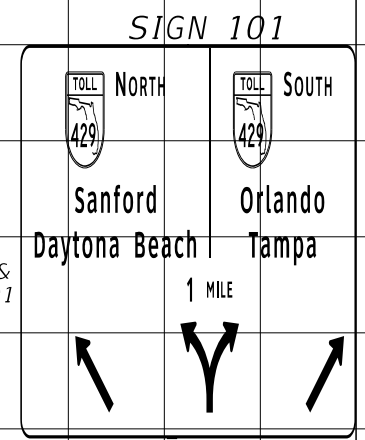
SHEET NO.
 S-53

NOTES:

1. PRIOR TO DRILLED SHAFT OR SPREAD FOOTING INSTALLATIONS, BOTH THE CONTRACTOR AND CEI SHALL CONFIRM THAT ALL LOCATIONS AND ELEVATIONS WILL CORRECTLY ACCOMMODATE THE CLEARANCES AND THE TOTAL LENGTH OF THE TRUSS AS SHOWN ON THE STRUCTURAL DESIGN SHEET ENTITLED SPAN SIGN STRUCTURAL DATA TABLE AND CORRESPONDING SHOP DRAWINGS.

2. SIGN STRUCTURE DESIGN WAS BASED ON PARTS A) TO E) OF GENERAL NOTE 18.

CL CONST. S.R. 453



OT-3
SR 453
STA. 108+00
LOOKING SOUTH

SCALE: HORIZ. 1" = 20'
VERT. 1" = 10'

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

SIGN CROSS SECTIONS
OT-3

SHEET NO.
S-54

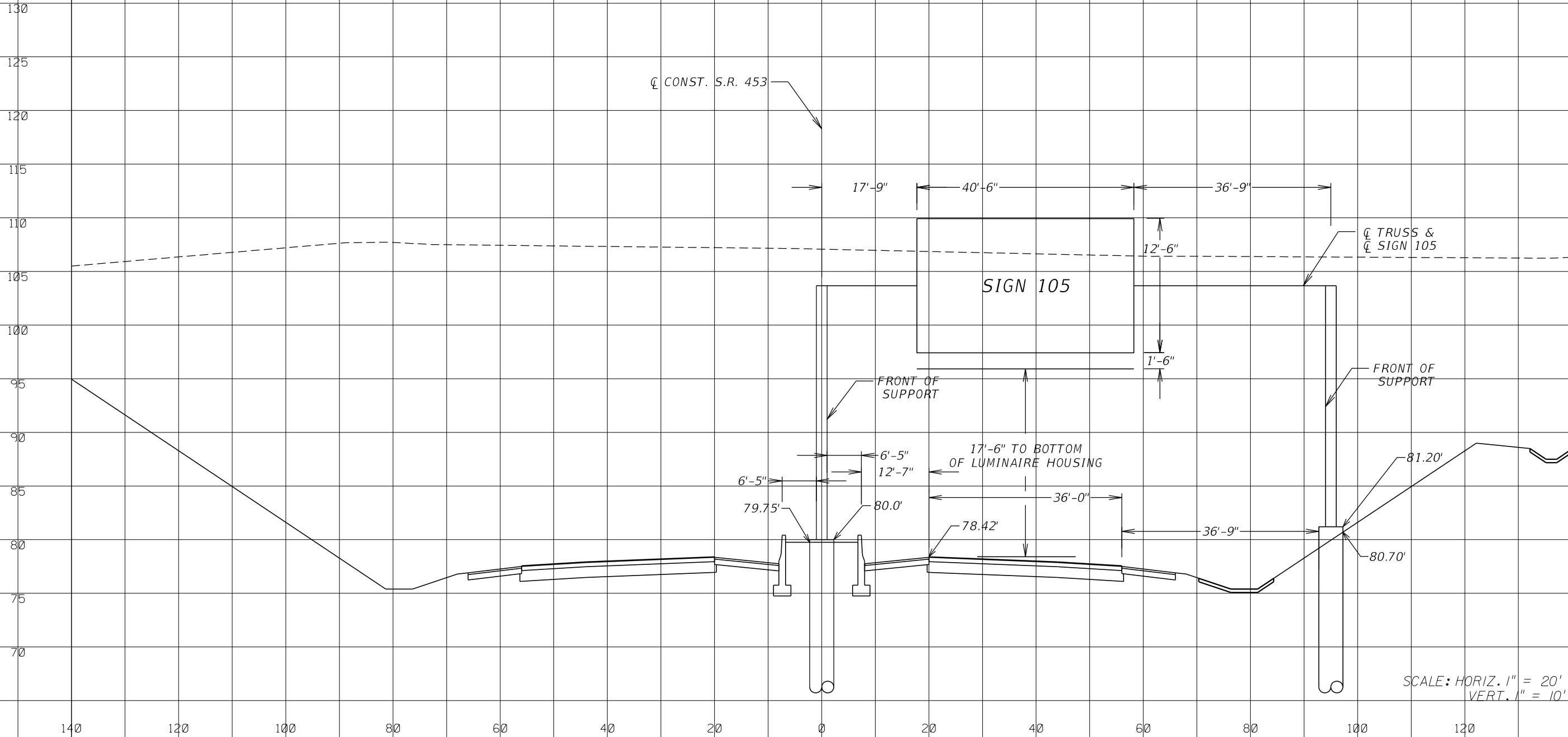
SIGN 105

Sorrento Ave Sorrento Mount Plymouth	46 WEST
	Mount Dora Leesburg
1 MILE	


NOTES:

- PRIOR TO DRILLED SHAFT OR SPREAD FOOTING INSTALLATIONS, BOTH THE CONTRACTOR AND CEI SHALL CONFIRM THAT ALL LOCATIONS AND ELEVATIONS WILL CORRECTLY ACCOMMODATE THE CLEARANCES AND THE TOTAL LENGTH OF THE TRUSS AS SHOWN ON THE STRUCTURAL DESIGN SHEET ENTITLED SPAN SIGN STRUCTURAL DATA TABLE AND CORRESPONDING SHOP DRAWINGS.
- SIGN STRUCTURE DESIGN WAS BASED ON PARTS A) TO E) OF GENERAL NOTE 18.

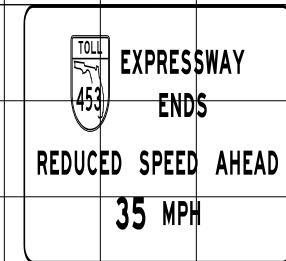
OT-1
SR 453
STA. 149+00
LOOKING NORTH



SCALE: HORIZ. 1" = 20'
VERT. 1" = 10'

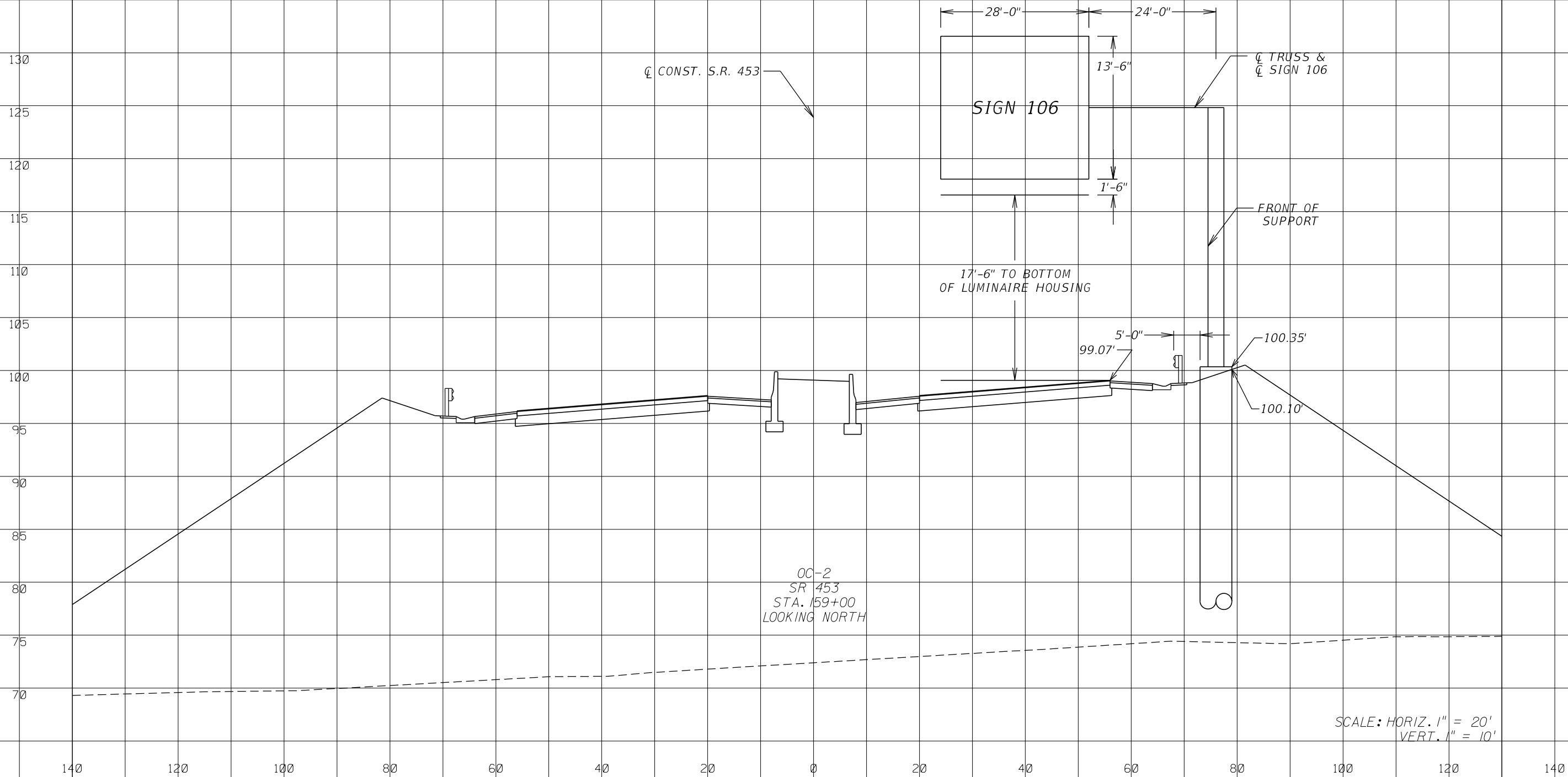
REVISIONS		DATE	DESCRIPTION	 DRMP <small>ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS</small> <small>DRMP, INC.</small> <small>941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814</small> <small>PHONE: (407) 896-0594 FAX: (407) 896-4836</small> <small>CERTIFICATE OF AUTHORIZATION NO. 2648</small> <small>CARLOS MARTINEZ, P.E. LICENSE NO. 51429</small>	CFX PROJ. NO.	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	SIGN CROSS SECTIONS OT-1	SHEET NO. S-55
DATE	DESCRIPTION							
					429-206			

SIGN 106



NOTES:

1. PRIOR TO DRILLED SHAFT OR SPREAD FOOTING INSTALLATIONS, BOTH THE CONTRACTOR AND CEI SHALL CONFIRM THAT ALL LOCATIONS AND ELEVATIONS WILL CORRECTLY ACCOMMODATE THE CLEARANCES AND THE TOTAL LENGTH OF THE TRUSS AS SHOWN ON THE STRUCTURAL DESIGN SHEET ENTITLED SPAN SIGN STRUCTURAL DATA TABLE AND CORRESPONDING SHOP DRAWINGS.
2. SIGN STRUCTURE DESIGN WAS BASED ON PARTS A) TO E) OF GENERAL NOTE 18.



SCALE: HORIZ. 1" = 20'
VERT. 1" = 10'

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

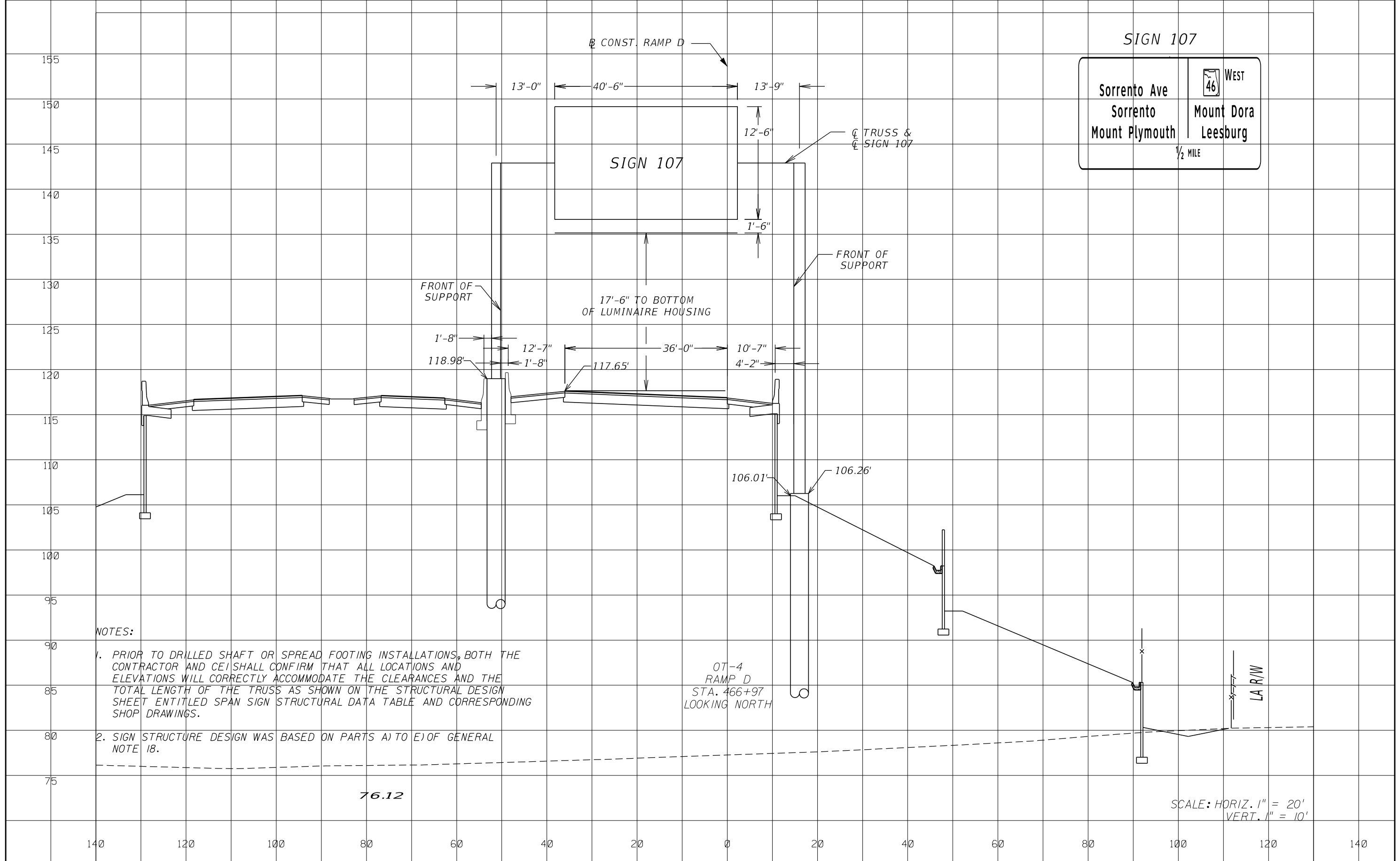
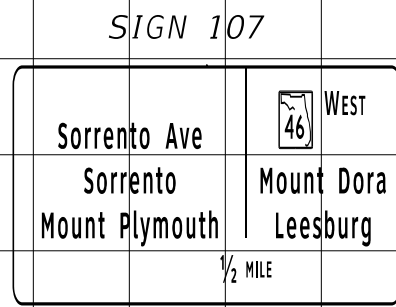
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

SIGN CROSS SECTIONS
OC-2

SHEET NO.
S-56



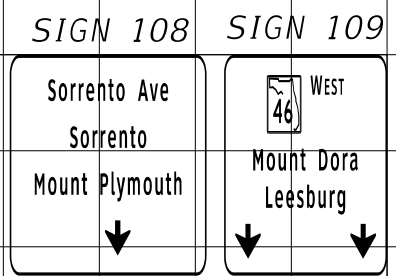
NOTES:

1. PRIOR TO DRILLED SHAFT OR SPREAD FOOTING INSTALLATIONS, BOTH THE CONTRACTOR AND CEI SHALL CONFIRM THAT ALL LOCATIONS AND ELEVATIONS WILL CORRECTLY ACCOMMODATE THE CLEARANCES AND THE TOTAL LENGTH OF THE TRUSS AS SHOWN ON THE STRUCTURAL DESIGN SHEET ENTITLED SPAN SIGN STRUCTURAL DATA TABLE AND CORRESPONDING SHOP DRAWINGS.
2. SIGN STRUCTURE DESIGN WAS BASED ON PARTS A) TO E) OF GENERAL NOTE 18.

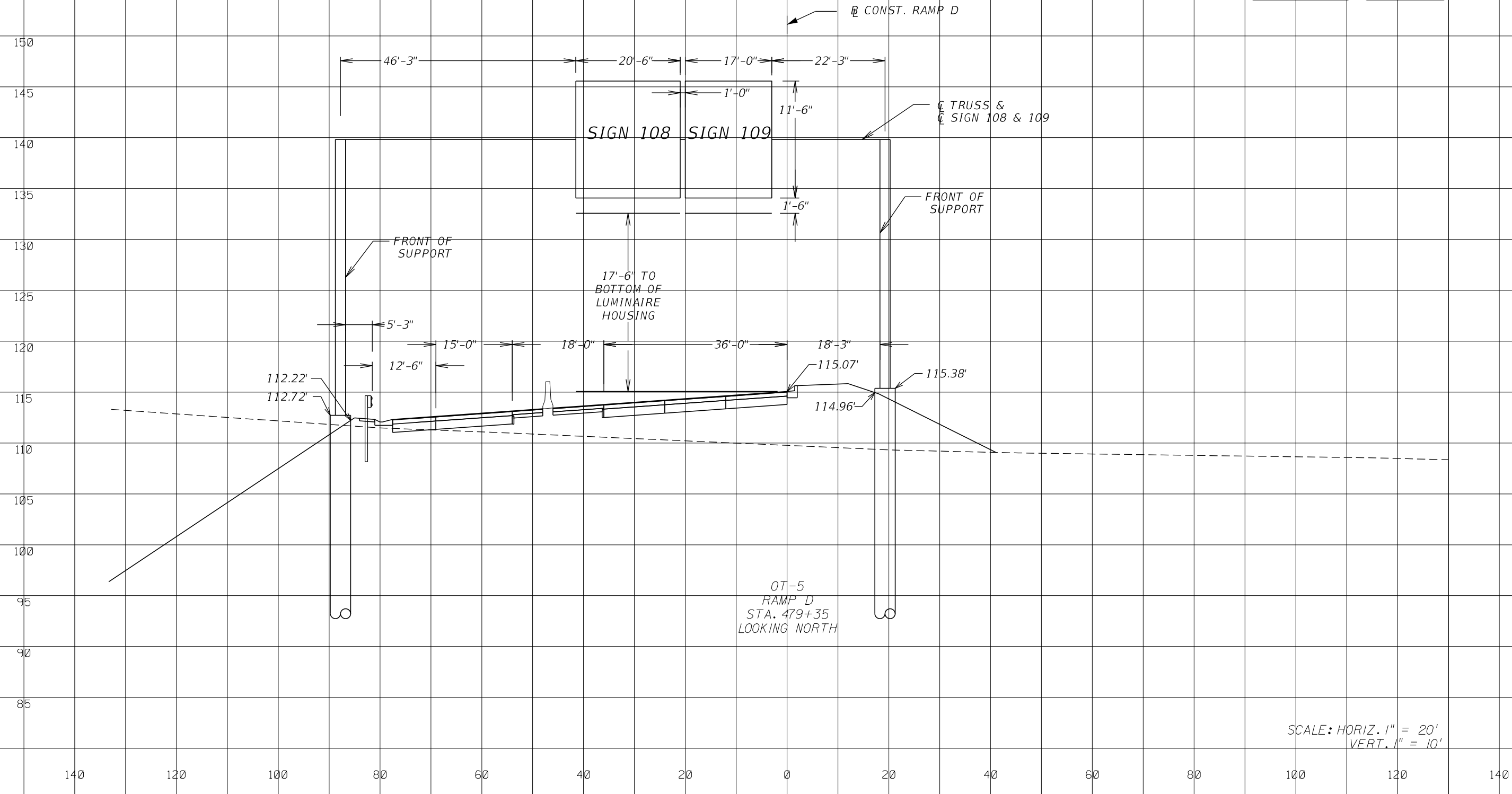
76.12

SCALE: HORIZ. 1" = 20'
VERT. 1" = 10'


REVISIONS		DATE	DESCRIPTION	 DRMP <small>ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS</small> <small>DRMP, INC.</small> <small>941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814</small> <small>PHONE: (407) 896-0594 FAX: (407) 896-4836</small> <small>CERTIFICATE OF AUTHORIZATION NO. 2648</small> <small>CARLOS MARTINEZ, P.E. LICENSE NO. 51429</small>	CFX PROJ. NO.	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	SIGN CROSS SECTIONS OT-4	SHEET NO. S-57
DATE	DESCRIPTION							
					429-206			



NOTES:
 1. PRIOR TO DRILLED SHAFT OR SPREAD FOOTING INSTALLATIONS, BOTH THE CONTRACTOR AND CEI SHALL CONFIRM THAT ALL LOCATIONS AND ELEVATIONS WILL CORRECTLY ACCOMMODATE THE CLEARANCES AND THE TOTAL LENGTH OF THE TRUSS AS SHOWN ON THE STRUCTURAL DESIGN SHEET ENTITLED SPAN SIGN STRUCTURAL DATA TABLE AND CORRESPONDING SHOP DRAWINGS.
 2. SIGN STRUCTURE DESIGN WAS BASED ON PARTS A) TO E) OF GENERAL NOTE 18.

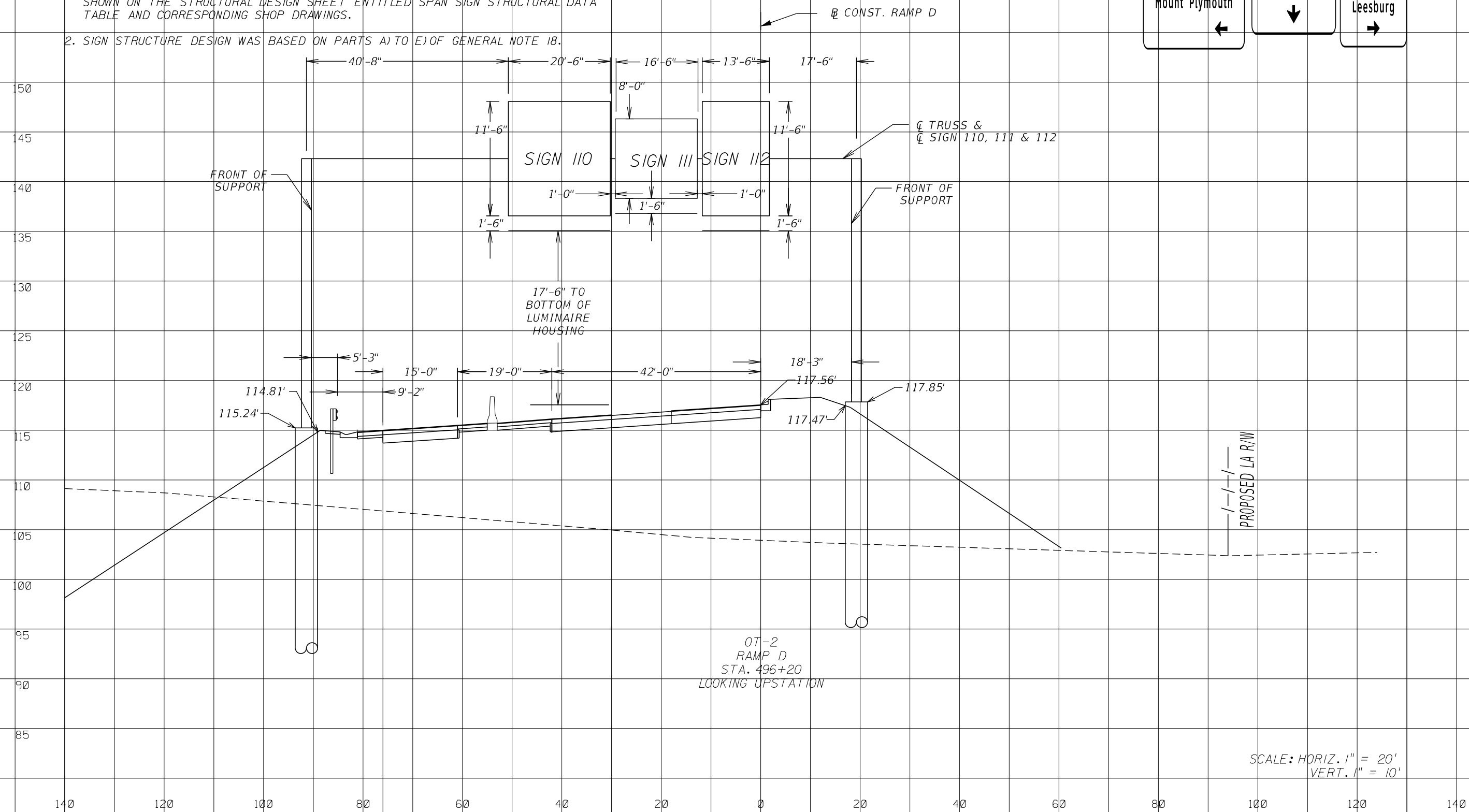
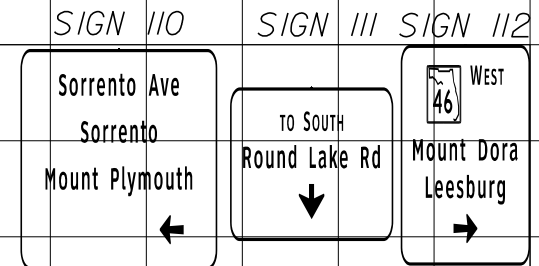


SCALE: HORIZ. 1" = 20'
 VERT. 1" = 10'

REVISIONS		DATE	DESCRIPTION	 ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS DRMP, INC. 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814 PHONE: (407) 896-0594 FAX: (407) 896-4836 CERTIFICATE OF AUTHORIZATION NO. 2648 CARLOS MARTINEZ, P.E. LICENSE NO. 51429	CFX PROJ. NO.	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	SIGN CROSS SECTIONS OT-5	SHEET NO. S-58
DATE	DESCRIPTION							
					429-206			

NOTES:

1. PRIOR TO DRILLED SHAFT OR SPREAD FOOTING INSTALLATIONS, BOTH THE CONTRACTOR AND CEI SHALL CONFIRM THAT ALL LOCATIONS AND ELEVATIONS WILL CORRECTLY ACCOMMODATE THE CLEARANCES AND THE TOTAL LENGTH OF THE TRUSS AS SHOWN ON THE STRUCTURAL DESIGN SHEET ENTITLED SPAN SIGN STRUCTURAL DATA TABLE AND CORRESPONDING SHOP DRAWINGS.
2. SIGN STRUCTURE DESIGN WAS BASED ON PARTS A) TO E) OF GENERAL NOTE 18.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DRMP
 ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
 PHONE: (407) 896-0594 FAX: (407) 896-4836
 CERTIFICATE OF AUTHORIZATION NO. 2648
 CARLOS MARTINEZ, P.E. LICENSE NO. 51429

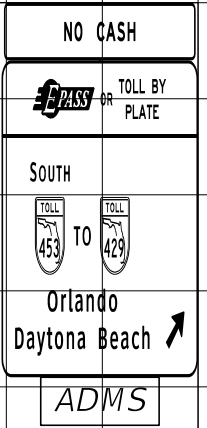
CFX PROJ. NO.
429-206

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SIGN CROSS SECTIONS
OT-2

SHEET NO.
S-59

SIGN 117



SIGN 116

NOTES:
 1. PRIOR TO DRILLED SHAFT OR SPREAD FOOTING INSTALLATIONS, BOTH THE CONTRACTOR AND CEI SHALL CONFIRM THAT ALL LOCATIONS AND ELEVATIONS WILL CORRECTLY ACCOMMODATE THE CLEARANCES AND THE TOTAL LENGTH OF THE TRUSS AS SHOWN ON THE STRUCTURAL DESIGN SHEET ENTITLED SPAN SIGN STRUCTURAL DATA TABLE AND CORRESPONDING SHOP DRAWINGS.
 2. SIGN STRUCTURE DESIGN WAS BASED ON PARTS A) TO E) OF GENERAL NOTE 18.

OC-6
 C.R. 46
 STA. 211+90
 LOOKING EAST

☉ CONST. C.R. 46

ADMS CENTERED HORIZONTALLY ABOUT SIGN PANEL

SIGN 117

SIGN 116

ADMS

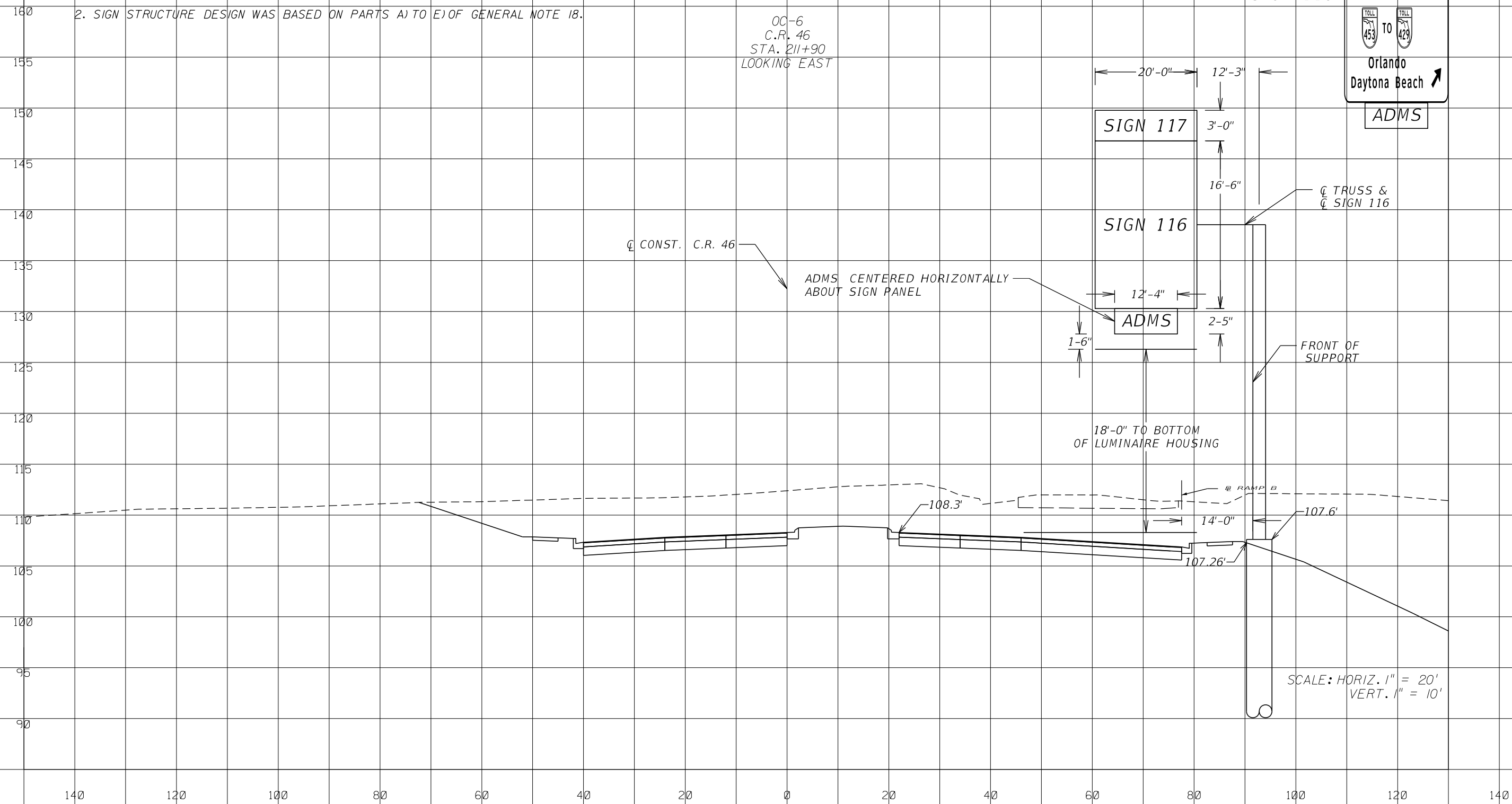
☉ TRUSS &
 ☉ SIGN 116

FRONT OF SUPPORT

18'-0" TO BOTTOM OF LUMINAIRE HOUSING

R RAMP B

SCALE: HORIZ. 1" = 20'
 VERT. 1" = 10'



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

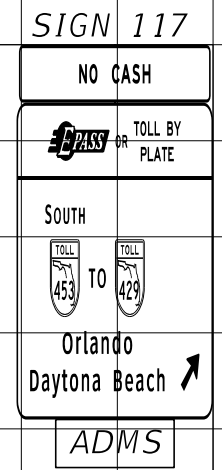
DRMP
 ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
 DRMP, INC.
 941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
 PHONE: (407) 896-0594 FAX: (407) 896-4836
 CERTIFICATE OF AUTHORIZATION NO. 2648
 CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
 429-206

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SIGN CROSS SECTIONS
 OC-6

SHEET NO.
 S-60

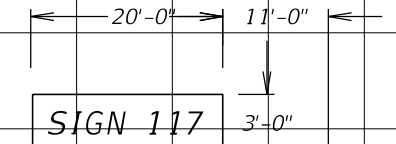


NOTES:

1. PRIOR TO DRILLED SHAFT OR SPREAD FOOTING INSTALLATIONS, BOTH THE CONTRACTOR AND CEI SHALL CONFIRM THAT ALL LOCATIONS AND ELEVATIONS WILL CORRECTLY ACCOMMODATE THE CLEARANCES AND THE TOTAL LENGTH OF THE TRUSS AS SHOWN ON THE STRUCTURAL DESIGN SHEET ENTITLED SPAN SIGN STRUCTURAL DATA TABLE AND CORRESPONDING SHOP DRAWINGS.
2. SIGN STRUCTURE DESIGN WAS BASED ON PARTS A) TO E) OF GENERAL NOTE 18.

ADMS CENTERED HORIZONTALLY ABOUT SIGN PANEL

Q CONST. C.R. 46



SIGN 116

ADMS



Q TRUSS & SIGN 116

FRONT OF SUPPORT

18'-0" TO BOTTOM OF LUMINAIRE HOUSING

14'-0"


110.3'

109.60'

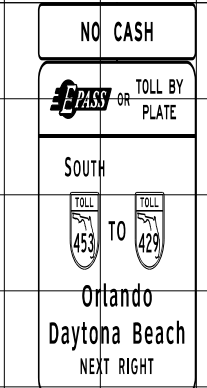
110'

OC-7
C.R. 46
STA. 218+50
LOOKING WEST

SCALE: HORIZ. 1" = 20'
VERT. 1" = 10'

REVISIONS				 DRMP <small>ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS</small> <small>DRMP, INC.</small> <small>941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814</small> <small>PHONE: (407) 896-0594 FAX: (407) 896-4836</small> <small>CERTIFICATE OF AUTHORIZATION NO. 2648</small> <small>CARLOS MARTINEZ, P.E. LICENSE NO. 51429</small>	CFX PROJ. NO.	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	SIGN CROSS SECTIONS OC-7	SHEET NO. S-61
DATE	DESCRIPTION	DATE	DESCRIPTION					
					429-206			

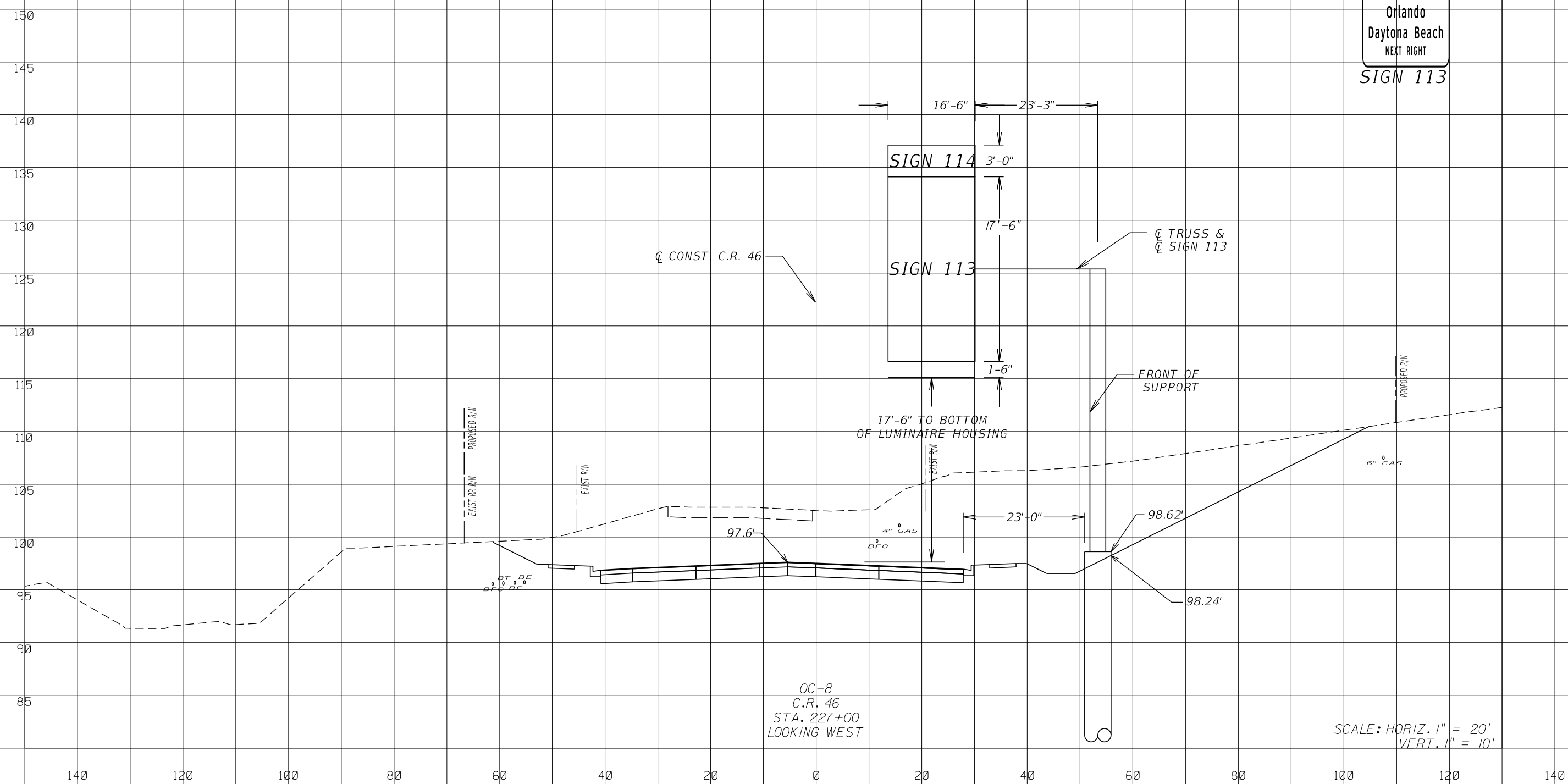
SIGN 114



SIGN 113

NOTES:

1. PRIOR TO DRILLED SHAFT OR SPREAD FOOTING INSTALLATIONS, BOTH THE CONTRACTOR AND CEI SHALL CONFIRM THAT ALL LOCATIONS AND ELEVATIONS WILL CORRECTLY ACCOMMODATE THE CLEARANCES AND THE TOTAL LENGTH OF THE TRUSS AS SHOWN ON THE STRUCTURAL DESIGN SHEET ENTITLED SPAN SIGN STRUCTURAL DATA TABLE AND CORRESPONDING SHOP DRAWINGS.
2. SIGN STRUCTURE DESIGN WAS BASED ON PARTS A) TO E) OF GENERAL NOTE 18.



OC-8
C.R. 46
STA. 227+00
LOOKING WEST

SCALE: HORIZ. 1" = 20'
VERT. 1" = 10'

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
941 LAKE BALDWIN LANE, ORLANDO, FLORIDA 32814
PHONE: (407) 896-0594 FAX: (407) 896-4836
CERTIFICATE OF AUTHORIZATION NO. 2648
CARLOS MARTINEZ, P.E. LICENSE NO. 51429

CFX PROJ. NO.
429-206

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

SIGN CROSS SECTIONS
OC-8

SHEET NO.
S-62

SPAN SIGN STRUCTURES DATA TABLE													Table Date 01-01-11		
SIGN#	STATION	DIMENSIONS				PNLS	MEMBER SIZES					SPLICE			
		A	B	C	D		E	F (CHORD)	G (WEB)	H (LEFT UPRIGHT)	J (RIGHT UPRIGHT)	K (CAMBER)	SA	SB	SC
		ft	ft	ft	#		in	O. D. x Wall Thk. (in)	Angle (in)	O. D. x Wall Thk. (in)	O. D. x Wall Thk. (in)	in	Angle (in)	#	in
OT-1	149+00.00	95.00	24.00	22.75	12	60	6.63 x 0.432	3-1/2 x 3-1/2 x 3/8	24.00 x 0.562	24.00 x 0.562	1-1/2	6 x 6 x 1/2	8	1	
OT-2	496+20.00	110.666	27.00	24.50	13	60	6.63 x 0.432	4 x 4 x 3/8	24.00 x 0.562	24.00 x 0.562	2-1/4	6 x 6 x 1/2	10	1	
OT-3	108+00.00	74.25	29.00	29.00	9	84	5.56 x 0.375	4 x 4 x 3/8	30.00 x 0.500	30.00 x 0.500	1-1/4	5 x 5 x 1/2	8	7/8	
OT-4	466+97.00	67.25	24.00	36.50	8	72	5.56 x 0.375	4 x 4 x 3/8	24.00 x 0.562	30.00 x 0.500	1	5 x 5 x 1/2	6	7/8	
OT-5	479+35.00	107.00	27.50	25.00	13	84	5.56 x 0.375	4 x 4 x 3/8	24.00 x 0.562	24.00 x 0.562	2	5 x 5 x 1/2	8	7/8	

SPAN SIGN STRUCTURES DATA TABLE (CONT.)																									Table Date 01-01-11			
SIGN#	ALTERNATE SPLICE						GUSSET PLATES																					
	PA	PB	PC	PD	PE	PF	GA	GB	GC	GD	GE	GF	GG	GH	GJ	GK	GL											
	in	in	in	in	in	#	in	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	in					
OT-1	1-1/2	2	3/8	7/16	1	12	3/8	7/8	1	6-3/4	0	6-3/4	1	5-3/4	0	6-1/2	2	3/4	1	1-1/4	0	7-3/4	0	11-1/4	3/16			
OT-2	1-1/2	2	3/8	7/16	1	12	3/8	1	1	9-3/4	0	7-3/4	1	8-1/2	0	7-1/2	2	5	1	4-3/4	0	9-1/4	1	3	3/16			
OT-3	1-3/8	2	5/16	3/8	1	9	3/8	1	1	4-1/2	0	8	1	4	0	7-1/2	1	10-1/4	2	1-1/2	0	10-1/2	1	5	3/16			
OT-4	1-3/8	2	5/16	3/8	1	9	3/8	7/8	1	5	0	7	1	4-1/2	0	6-1/2	1	11	1	7-1/4	0	9-1/4	1	1-1/2	3/16			
OT-5	1-3/8	2	5/16	3/8	1	9	3/8	7/8	1	3-1/4	0	7	1	2-3/4	0	6-1/2	1	8-1/2	1	8-1/2	0	9-3/4	0	10-3/4	3/16			

SPAN SIGN STRUCTURES DATA TABLE (CONT.)																	Table Date 01-01-11		
SIGN#	LEFT UPRIGHT CONNECTION								RIGHT UPRIGHT CONNECTION										
	LA	LB	LC	LD	LE	LF	LG	LH	RA	RB	RC	RD	RE	RF	RG	RH			
	in	#	in	in	in	in	in	in	in	#	in	in	in	in	in	in			
OT-1	7/8	4	1/2	1/2	1/4	1/4	3/16	3/16	7/8	4	1/2	1/2	1/4	1/4	3/16	3/16			
OT-2	7/8	4	1/2	1/2	1/4	1/4	3/16	3/16	7/8	4	1/2	1/2	1/4	1/4	3/16	3/16			
OT-3	7/8	4	1/2	1/2	3/16	3/16	3/16	3/16	7/8	4	1/2	1/2	3/16	3/16	3/16	3/16			
OT-4	7/8	4	1/2	1/2	1/4	1/4	3/16	3/16	7/8	4	1/2	1/2	1/4	1/4	3/16	3/16			
OT-5	7/8	4	1/2	1/2	1/4	1/4	3/16	3/16	7/8	4	1/2	1/2	1/4	1/4	3/16	3/16			

NOTES:

1. Work these Data Tables with Index 11320 and Sheet S-65.
2. Design Wind Speed = 130 mph
3. Upright wall thickness given is a minimum dimension.
4. Erection is the Contractor's responsibility.
To facilitate erection, the Contractor should consider using two vertical lift points, each located near a panel point approximately 20 to 25% of the truss length from each end.
5. 'DC' and 'FC' shall include quantity and size of reinforcing steel.

FOUNDATION NOTES:

1. Design based on Borings taken 11/11/2014 sealed by ANTILLIAN ENGINEERING ASSOC.
2. Assumptions and Values used in design:
Soil Type SAND
Soil Layer Thickness = 12 ft.
Soil Friction Angle = 26 deg.
Soil Weight = 100 pcf
Design Water Table is 12 ft. below surface

SPAN SIGN STRUCTURES DATA TABLE (CONT.)																				Table Date 01-01-11		
SIGN#	LEFT BASE CONNECTION										RIGHT BASE CONNECTION											
	BA	BB	BC	BD	BE	BF	BG	BH	BJ	CA	CB	CC	CD	CE	CF	CG	CH	CJ				
	in	#	in	in	ft	in	in	in	in	in	#	in	in	ft	in	in	in	in				
OT-1	2	12	1-1/2	3/8	2	2	5/16	5/16	5/16	3/16	2	12	1-1/2	3/8	2	2	5/16	5/16	5/16	3/16		
OT-2	2	12	1-1/2	3/8	2	2	5/16	5/16	5/16	3/16	2	12	1-1/2	3/8	2	2	5/16	5/16	5/16	3/16		
OT-3	2-1/4	12	1-1/2	3/8	2	5-3/4	5/16	5/16	5/16	3/16	2-1/4	12	1-1/2	3/8	2	5-3/4	5/16	5/16	5/16	3/16		
OT-4	2-1/4	12	1-1/4	3/8	2	2	5/16	5/16	5/16	3/16	2-1/4	12	1-1/4	3/8	2	2	5/16	5/16	5/16	3/16		
OT-5	2-1/4	12	1-1/2	3/8	2	5-3/4	5/16	5/16	5/16	3/16	2-1/4	12	1-1/2	3/8	2	5-3/4	5/16	5/16	5/16	3/16		

SPAN SIGN STRUCTURES DATA TABLE (CONT.)																	Table Date 07-01-14		
SIGN#	LEFT DRILLED SHAFT								RIGHT DRILLED SHAFT										
	DA	DB	DC	DD	DE	DF	FA	FB	FC	FD	FE	FF							
	ft	in	ft	in	# / size	#	in	in	ft	in	ft	in	# / size	#	in	in			
OT-1	21	0	4	6	15 / 11	36	6	50	19	0	4	6	15 / 11	32	6	50			
OT-2	20	0	4	6	15 / 11	34	6	53	26	0	4	6	15 / 11	46	6	53			
OT-3	18	0	4	0	12 / 11	15	12	76	20	6	4	0	12 / 11	17	12	76			
OT-4	16	0	4	0	12 / 11	13	12	76	19	6	4	0	12 / 11	16	12	76			
OT-5	16	0	4	0	12 / 11	13	12	73	18	6	4	0	12 / 11	15	12	73			

REVISIONS				AVCON, INC. ENGINEERS & PLANNERS 5555 EAST MICHIGAN STREET, SUITE 200 ORLANDO, FL 32822-2779 OFFICE: (407) 599-1122 CORPORATE CERTIFICATE OF AUTHORIZATION No: 5057 EOR: Luca DelVerme P.E. 63055	CFX PROJ. NO. 429-206	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	TABLE OF SPAN SIGN STRUCTURE VARIABLES	SHEET NO. S-63
DATE	DESCRIPTION	DATE	DESCRIPTION					

CANTILEVER SIGN STRUCTURES DATA TABLE										Table Date 07-01-14	
SIGN NO.	STATION	DIMENSIONS				PANELS	MEMBER SIZES			BACKRAKE	
		A	B		C	N	D (CHORD)	E (WEB)	F (UPRIGHT)	G	
		ft	ft	in	in	#	O. D. x Wall Thk. (in)	Angle (in)	O. D. x Wall Thk. (in)	in	
OC-2	159+00 / 75' RT	24.5000	10	3-1/2	84	5	6.63 x 0.432	4 x 4 x 1/2	36.00 x 0.750	1.5076	
OC-6	211+90 / 95' RT	31.0000	10	9	84	3	5.56 x 0.375	4 x 4 x 3/8	30.00 x 0.625	1.5981	
OC-7	218+50 / 55' LT	30.5000	10	4	84	3	5.56 x 0.375	4 x 4 x 3/8	30.00 x 0.625	1.4617	
OC-8	227+00 / 55' LT	28.5000	9	10-1/2	84	4	6.63 x 0.432	5 x 5 x 1/2	36.00 x 0.500	1.6614	

- NOTES:
1. Work these Data Tables with Index 11310 and Sheet S-65.
 2. Design Wind Speed = 130 mph.
 3. Upright wall thickness given is a minimum dimension.

- FOUNDATION NOTES:
1. Design based on Borings taken 11/11/2014 sealed by ANTILLIAN ENGINEERING ASSOC.
 2. Assumptions and Values used in design:
Soil Type SAND
Soil Layer Thickness = 12 ft.
Soil Friction Angle = 26 deg.
Soil Weight = 100 pcf
Design Water Table is 12 ft. below surface

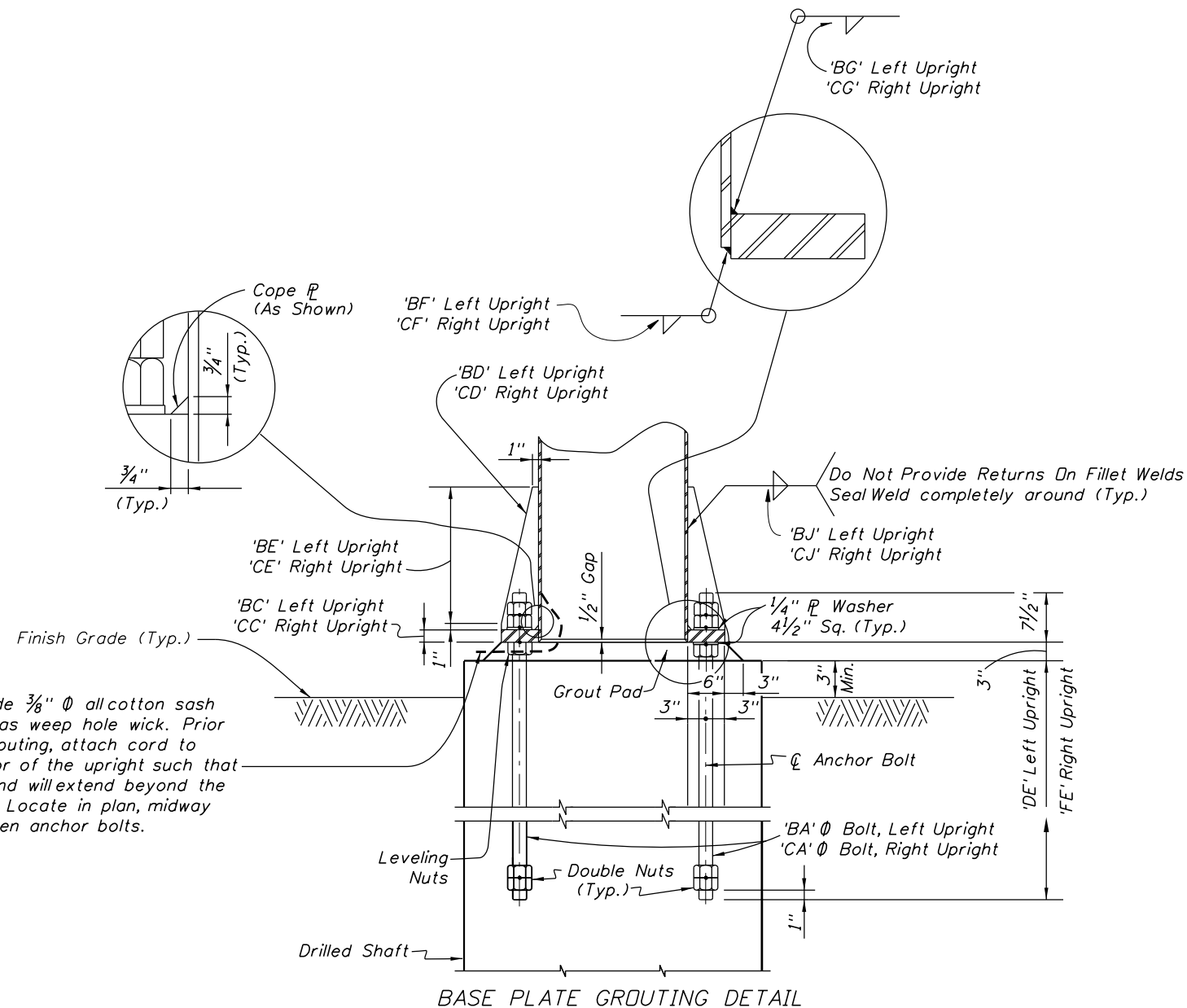
CANTILEVER SIGN STRUCTURES DATA TABLE (CONT.)																							Table Date 01-01-11							
SIGN NO.	GUSSET PLATES																TRUSS CONNECTION						SPLICE							
	GA	GB	GC		GD		GE		GF		GG		GH		GJ		GK	TA	TB	TC	TD	TE	TF	TG	TH	TJ	SA	SB	SC	SD
	in	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	in	in	#	#	in	in	in	in	in	in	Angle (in)	#	in	#
OC-2	1/2	1	1	7-3/4	0	7-3/4	1	6-3/4	0	7-1/2	1	8-1/4	0	9-1/2	1	2-1/2	3/16	7/8	12	10	3/4	1/2	5/16	1/4	1/4	5/16	6 x 6 x 1/2	8	1	2
OC-6	3/8	3/4	1	4-3/4	0	6	1	4-1/4	0	5-1/2	1	3	0	8-1/4	0	10	3/16	7/8	8	6	5/8	1/2	1/4	1/4	3/16	1/4	NO SPLICE	NA	NA	NA
OC-7	3/8	3/4	1	4-1/4	0	6-1/4	1	3-3/4	0	5-1/2	1	3-1/4	0	8-1/2	0	10	3/16	7/8	6	6	5/8	1/2	1/4	1/4	3/16	1/4	NO SPLICE	NA	NA	NA
OC-8	1/2	7/8	1	7	0	7-1/4	1	6-1/2	0	6-1/2	1	4-1/4	0	10-1/4	1	3/4	3/16	7/8	8	8	5/8	1/2	1/4	3/16	3/16	1/4	NO SPLICE	NA	NA	NA

CANTILEVER SIGN STRUCTURES DATA TABLE (CONT.)																			Table Date 07-01-13	
SIGN NO.	BASE CONNECTION										ANCHOR		FOOTING - DRILLED SHAFT							
	BA	BB	BC	BD	BE		BF	BG	BH	BJ	BK		FA	FB		FC	FD	FE		
	in	#	in	in	ft	in	in	in	in	in	ft	in	ft	in	ft	in	# / Size	#	in	
OC-2	2-1/2	12	1-1/2	1/2	2	10-1/2	5/16	5/16	5/16	3/16	4	2	25	0	6	0	27 / 11	66	4	
OC-6	2-1/4	12	1-1/2	3/8	2	6-3/4	5/16	5/16	5/16	3/16	4	4	30	0	5	0	19 / 11	81	4	
OC-7	2-1/4	12	1-1/2	3/8	2	6-3/4	5/16	5/16	3/8	3/16	4	4	27	0	5	0	19 / 11	72	4	
OC-8	2-1/4	12	1-1/2	3/8	2	6-3/4	5/16	5/16	5/16	3/16	4	0	34	0	5	0	19 / 11	92	4	

REVISIONS				AVCON, INC. ENGINEERS & PLANNERS 5555 EAST MICHIGAN STREET, SUITE 200 ORLANDO, FL 32822-2779 OFFICE: (407) 599-1122 CORPORATE CERTIFICATE OF AUTHORIZATION No: 5057 EOR: Luca DelVerme P.E. 63055	CFX PROJ. NO.	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	TABLE OF CANTILEVER SIGN STRUCTURE VARIABLES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					429-206

NOTES:

- 1) Grout shall be a non-shrink grout with a minimum 5.0 ksi compressive strength at 28-days. Conform to Specification Section 934.
- 2) Grouting:
 - a) Preparation: Flush the top of the foundation with clean water to remove any dirt and debris. Immediately before grouting, saturate the concrete surfaces by ponding or by placement of saturated rags for a minimum period of two hours. Remove all freestanding water before beginning the grouting operation.
 - b) Forming: Use watertight non-absorbent forms with a form release agent applied to all interior surfaces. Maintain a 1 inch (25 mm) clearance between the forms and the base plate. Extend the form a minimum of 1 inch (25 mm) above the bottom of the base plate. Attach a head box with a 45 degree slope on the form for grout placement.
 - c) Mixing: Use only fresh unopened fullbags of grout. Mix the grout in a clean, power driven mortar mixer or with a heavy duty drill (850 RPM maximum) using a commercial mixing paddle. Mix the grout in accordance with the manufacturer's instructions. Test the fluidity of the grout using the ASTM C 939 Flow Cone Method. Use grouts that meet the efflux time of 20 to 30 seconds. Do not remix grouts that have begun to set.
 - d) Placing and Curing: Pour the grout from only one side of the base plate through the head box until the grout has filled the entire form and extends a minimum of 1/4 inch (6 mm) above the bottom of the base plate. Do not allow the grout to overtop the base plate. Do not vibrate grout. Clean excess grout off the base plate after the grout has reached initial set (two to four hours). Cure the grout for a minimum of six hours by covering the entire grout surface with clean saturated rags. Remove the forms after verifying the grout is self supporting by penetration with a pointed masons trowel or other sufficient tool. Cure all exposed grout with a membrane curing compound.
- 3) The CEI shall exercise special attention during the grouting operation to assure complete grout placement under the base plate.



REVISIONS				AVCON, INC. ENGINEERS & PLANNERS 5555 EAST MICHIGAN STREET, SUITE 200 ORLANDO, FL 32822-2779 OFFICE: (407) 599-1122 CORPORATE CERTIFICATE OF AUTHORIZATION No: 5057 EOR: Luca DelVerme P.E. 63055	CFX PROJ. NO. 429-206	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	SPAN AND CANTILEVER SIGN STRUCTURES BASE PLATE GROUTING DETAILS	SHEET NO. S-65
DATE	DESCRIPTION	DATE	DESCRIPTION					

