

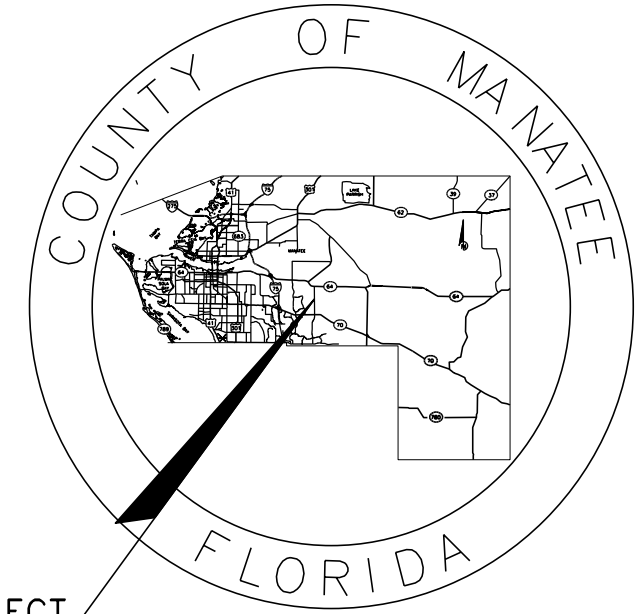
**MANATEE COUNTY  
PUBLIC WORKS DEPARTMENT**

**CONTRACT PLANS**

MANATEE COUNTY  
PROJECT NUMBER 6107660  
LORRAINE ROAD

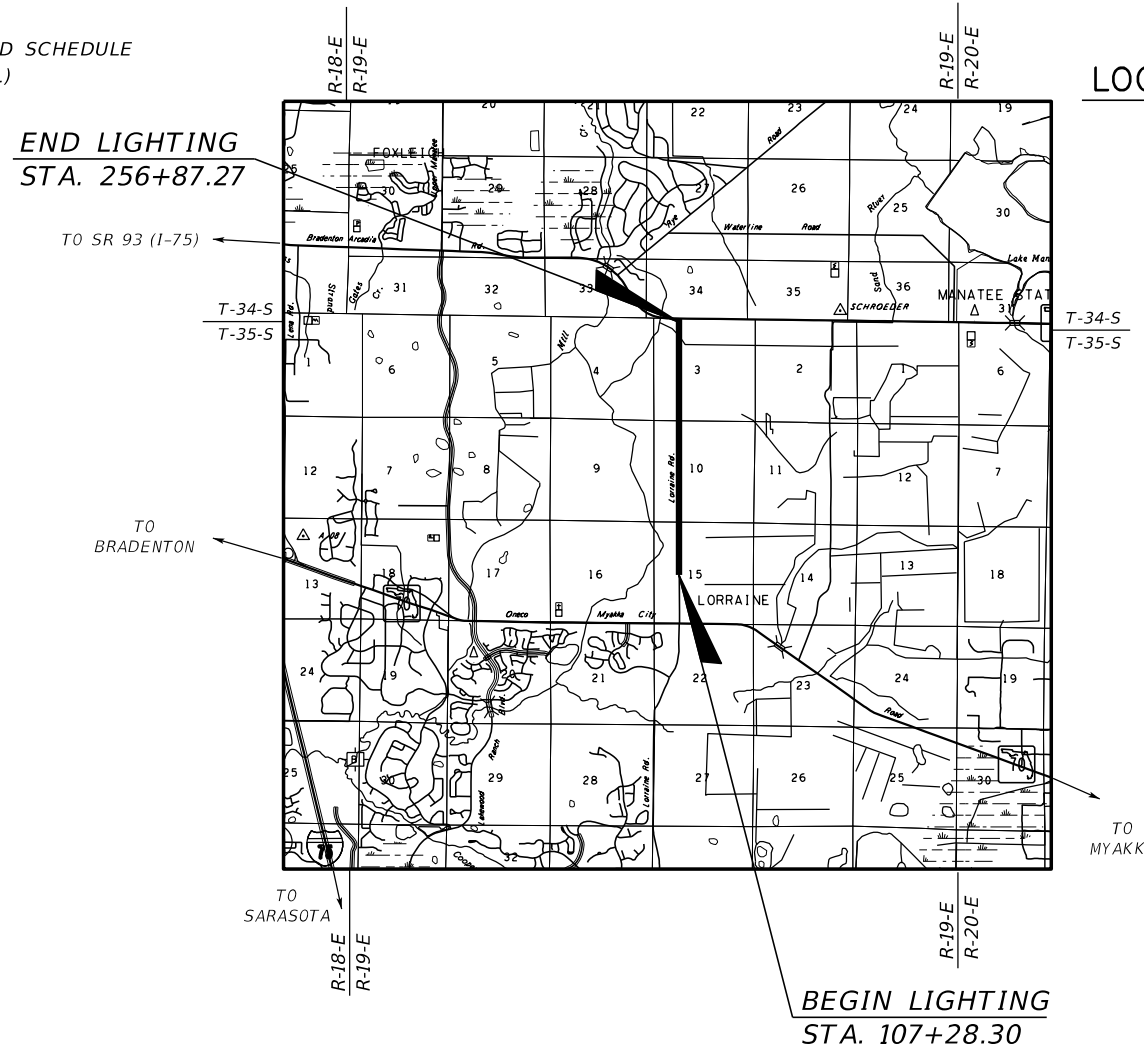
FROM SOUTH OF 59TH CIRCLE/AVE EAST TO SR64 ROUNDABOUT

**LIGHTING PLANS**



**INDEX OF LIGHTING PLANS**

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	SIGNATURE SHEET
L-3 - L-6	TABULATION OF QUANTITIES
L-7	GENERAL NOTES
L-8 - L-11	LIGHTING DATA TABLE AND LEGEND
L-12 - L-33	LIGHTING PLAN PLAN
L-34	ELECTRICAL DISTRIBUTION PANELBOARD SCHEDULE (WILL BE SUBMITTED NEXT SUBMITTAL)



LOCATION OF PROJECT

**DRAFT  
60% SUBMITTAL  
11/2022**



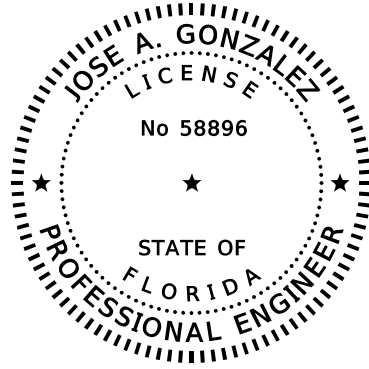
**LIGHTING PLANS  
ENGINEER OF RECORD:**

JOSE A. GONZALEZ, P.E.  
P.E. NO.: 58896  
HDR ENGINEERING, INC.  
4830 W. KENNEDY BLVD., SUITE 400  
TAMPA, FL 33609-2548  
VENDOR NO. 47-0680568

**MANATEE CO. PROJECT MANAGER:**

ANTHONY RUSSO, P.E.

FISCAL YEAR	SHEET NO.
22	L-1



THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY



ON THE DATE ADJACENT TO THE SEAL

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

HDR ENGINEERING, INC.  
4830 W. KENNEDY BLVD., SUITE 400  
TAMPA, FLORIDA 33609-2548  
JOSE A. GONZALEZ, P.E. NO. 58896

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



SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	SIGNATURE SHEET
L-3 - L-6	TABULATION OF QUANTITIES
L-7	GENERAL NOTES
L-8 - L-11	LIGHTING DATA TABLE AND LEGEND
L-12 - L-33	LIGHTING PLAN PLAN
L-34	ELECTRICAL DISTRIBUTION PANELBOARD SCHEDULE (WILL BE SUBMITTED NEXT SUBMITTAL)

		SCALE	AS NOTED	 <b>HDR</b> HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609	DATE	11/2022	 <b>MANATEE COUNTY</b> <b>PUBLIC WORKS</b>	DESIGN ENGINEER	JOSE A. GONZALEZ	<b>SIGNATURE SHEET</b>	SHEET NO.	L-2
		DESIGNED BY	JAG		PROJECT NO.	6107660		FL. LICENSE NO.	58896			
		DRAWN BY	SM									
		CHECKED BY	BB									
No.	REVISIONS	DATE	BY									

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL			
			L-12		L-13		L-14		L-15		L-16		L-17		L-18		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF																		
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF																		
630-2-15	CONDUIT, F&I, BRIDGE MOUNT	LF																		
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA																		
635-3-13	JUNCTION BOX, FURNISH & INSTALL, EMBEDDED	EA																		
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS																		
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF																		
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA																		
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF																		
715-1-13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	LF																		
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																		
715-61-252	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT, 15' ARM LENGTH	EA																		
715-65-266	LIGHT POLE COMPLETE, F&I, UTILITY CONFLICT POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT, 16' ARM LENGTH	EA																		
715-69-000	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA																		
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA																		



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

SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB		 HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609	DATE 11/2022	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896	SHEET NO.  L-3
No. REVISIONS DATE BY			PROJECT NO. 6107660		TABULATION OF QUANTITIES (1)	

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL			
			L-19		L-20		L-21		L-22		L-23		L-24		L-25		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF																		
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF																		
630-2-15	CONDUIT, F&I, BRIDGE MOUNT	LF																		
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA																		
635-3-13	JUNCTION BOX, FURNISH & INSTALL, EMBEDDED	EA																		
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS																		
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF																		
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA																		
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF																		
715-1-13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	LF																		
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																		
715-61-252	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT, 15' ARM LENGTH	EA																		
715-65-266	LIGHT POLE COMPLETE, F&I, UTILITY CONFLICT POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT, 16' ARM LENGTH	EA																		
715-69-000	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA																		
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SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB		 HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609	DATE 11/2022	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896	SHEET NO. L-4
No. REVISIONS DATE BY			PROJECT NO. 6107660		TABULATION OF QUANTITIES (2)	

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL			
			L-26		L-27		L-28		L-29		L-30		L-31		L-32		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF																		
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF																		
630-2-15	CONDUIT, F&I, BRIDGE MOUNT	LF																		
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA																		
635-3-13	JUNCTION BOX, FURNISH & INSTALL, EMBEDDED	EA																		
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS																		
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF																		
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA																		
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF																		
715-1-13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	LF																		
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																		
715-61-252	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT, 15' ARM LENGTH	EA																		
715-65-266	LIGHT POLE COMPLETE, F&I, UTILITY CONFLICT POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT, 16' ARM LENGTH	EA																		
715-69-000	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA																		
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA																		



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SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB		 HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609	DATE 11/2022	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896	SHEET NO. L-5
No. REVISIONS DATE BY			PROJECT NO. 6107660		TABULATION OF QUANTITIES (3)	

TABULATION OF QUANTITIES



PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			L-33		PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL																
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF																		
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF																		
630-2-15	CONDUIT, F&I, BRIDGE MOUNT	LF																		
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA																		
635-3-13	JUNCTION BOX, FURNISH & INSTALL, EMBEDDED	EA																		
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS																		
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF																		
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA																		
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF																		
715-1-13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	LF																		
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																		
715-61-252	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT, 15' ARM LENGTH	EA																		
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715-69-000	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA																		
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA																		

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SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB		 HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609	DATE 11/2022	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896	SHEET NO. L-6
No. REVISIONS DATE BY			PROJECT NO. 6107660		TABULATION OF QUANTITIES (4)	

**GENERAL NOTES**

1. PRIOR TO ANY EQUIPMENT ORDER, SUBMIT FOR APPROVAL EQUIPMENT SPECIFICATION OR DESIGN DATA FOR ALL MATERIAL PROPOSED FOR THE PROJECT, INCLUDING BUT NOT LIMITED TO:  
 A) LUMINAIRE PHOTOMETRICS, INCLUDING ELECTRONIC IES PHOTOMETRIC FILES  
 B) BOLT SPECIFICATIONS AND BOLT CIRCLE DIAMETER  
 C) POLE SHOP DRAWINGS  
 D) LOAD CENTER ELECTRICAL EQUIPMENT, INCLUDING WIRING SCHEMATICS
2. SEE ROADWAY PLANS FOR UTILITY OWNERS.
3. IDENTIFY ALL CIRCUITS AND EQUIPMENT WITH "LAMACOID TAGS". INSTALL SIMILAR TAGS OF STAINLESS STEEL IDENTIFYING CIRCUIT FOR EACH LUMINAIRE AT ACCESS HANDHOLE FOR EACH POLE AND IN ALL PULL BOXES.
4. INSTALL ALL CONDUITS UNDER ROADWAY PRIOR TO INSTALLATION OF ROADWAY BASE AND SURFACE (OR CONCRETE), EXCEPT WHERE OTHERWISE SPECIFIED IN THE PLANS.
5. AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE WITHIN THREE FEET (3') OF THE LIGHTING POLE FOUNDATIONS, AS DETERMINED BY THE ENGINEER, HAND DIG UNTIL THE UTILITY LINE IS EXPOSED TO AVOID ANY DAMAGE TO THE EXISTING UTILITY UNDERGROUND FACILITY.
6. WHEN THE SOIL IS EXPOSED, PREPARE TEMPORARY STABILIZATION AS SOON AS PRACTICABLE, BUT NOT MORE THAN SEVEN (7) CALENDAR DAYS.
7. DO NOT INSTALL ANY PULL BOXES WITHIN ANY DITCHES OR AREAS THAT MAY CAUSE WATER INTRUSION.
8. PAY ALL ELECTRICAL COSTS INCURRED BY OPERATION OF THE INSTALLED LIGHTING POLES AND REPLACED LUMINAIRES UNTIL THE LIGHTING IS ACCEPTED FOR MAINTENANCE BY THE MAINTAINING AGENCY.
9. DO NOT INTERFERE WITH THE REGULAR LIGHTING SCHEDULE DURING LIGHTING SHUT DOWNS UNLESS OTHERWISE APPROVED BY THE ENGINEER.

			SCALE	AS NOTED	 <b>HDR</b> HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609	DATE	 <b>MANATEE COUNTY</b> <b>PUBLIC WORKS</b>	DESIGN ENGINEER	<b>GENERAL NOTES</b>	SHEET NO.
			DESIGNED BY	JG		11/2022		JOSE A. GONZALEZ		
			DRAWN BY	SM		PROJECT NO.		FL. LICENSE NO.		
			CHECKED BY	BB		6107660		58896		
No.	REVISIONS	DATE	BY							L-7







CONVENTIONAL LIGHTING DATA TABLE

POLE NO.	STATION	NUMBER OF LUMINAIRES	MOUNTING HEIGHT	ARM LENGTH/ CONFIGURATION	LOCATION	FOUNDATION / SETBACK	PAY ITEM	POLE NO.	STATION	NUMBER OF LUMINAIRES	MOUNTING HEIGHT	ARM LENGTH/ CONFIGURATION	LOCATION	FOUNDATION / SETBACK	PAY ITEM		
17	116+53	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	61	148+73	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
18	117+17	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	62	153+44	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
19	117+82	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	63	150+02	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
20	118+73	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	64	154+94	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 4.6' FROM BOS	715-61-252
21	119+12	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	65	151+69	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
22	120+17	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	66	156+44	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
23	120+40	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	67	152+86	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
24	121+82	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	68	157+95	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
25	121+68	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	69	154+18	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
26	123+43	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 4.3' FROM BOS	715-61-252	70	159+46	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 4.8' FROM BOS	715-61-252
27	123+03	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	71	155+52	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
28	125+15	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252	72	160+95	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
29	124+43	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	73	156+86	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
30	126+73	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	74	162+44	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
31	125+92	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	75	158+20	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
32	128+30	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	76	163+92	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
33	127+41	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	77	159+53	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
34	129+85	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	78	165+42	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
35	128+85	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	79	160+87	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
36	134+19	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	80	166+89	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
37	130+18	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	81	162+22	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
38	135+54	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	82	168+27	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
39	134+37	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	83	163+57	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
40	136+95	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 5.2' FROM BOS	715-61-252	84	169+75	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
41	135+63	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	85	164+92	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
42	138+47	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	86	171+24	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
43	136+93	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	87	166+28	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
44	139+96	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 4.3' FROM BOS	715-61-252	88	172+72	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
45	138+22	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	89	167+62	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
46	141+45	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252	90	174+18	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
47	139+51	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	91	168+98	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
48	142+99	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 6.2' FROM BOS	715-61-252	92	175+62	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
49	141+02	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	93	170+44	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
50	144+44	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252	94	177+03	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
51	142+26	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	95	171+94	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
52	145+92	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	96	178+26	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 4.6' FROM BOS	715-61-252
53	143+53	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	97	173+26	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
54	147+42	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	98	179+71	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 4.6' FROM BOS	715-61-252
55	144+84	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	99	174+62	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
56	148+88	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 4.0' FROM BOS	715-61-252	100	181+01	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
57	146+13	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	101	175+98	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
58	150+41	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	102	182+23	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
59	147+44	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	103	177+34	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
60	151+92	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	104	183+39	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252

ALL POLES ARE MEASURED FROM Q CONST. LORRAINE RD.

ALL MEASUREMENTS ARE TO FACE OF THE CONVENTIONAL LIGHT POLE.  
 BOS = BACK OF SIDEWALK  
 BOGW = BACK OF GRAVITY WALL  
 FOC = FACE OF CURB



SCALE AS NOTED		 HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609	DATE	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	LIGHTING DATA TABLE AND LEGEND (2)	SHEET NO.
DESIGNED BY			11/2022		JOSE A. GONZALEZ		L-9
DRAWN BY			PROJECT NO.		FL. LICENSE NO.		
CHECKED BY			6107660		58896		
No.	REVISIONS	DATE	BY				

CONVENTIONAL LIGHTING DATA TABLE

POLE NO.	STATION	NUMBER OF LUMINAIRES	MOUNTING HEIGHT	ARM LENGTH/ CONFIGURATION	LOCATION	FOUNDATION / SETBACK	PAY ITEM	POLE NO.	STATION	NUMBER OF LUMINAIRES	MOUNTING HEIGHT	ARM LENGTH/ CONFIGURATION	LOCATION	FOUNDATION / SETBACK	PAY ITEM		
105	178+97	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	149	211+41	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
106	187+63	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	150	216+58	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
107	180+17	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	151	212+76	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
108	188+91	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	152	217+92	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
109	181+55	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	153	214+10	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
110	190+24	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252	154	219+26	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
111	182+96	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 0.8' FROM BOS	715-65-266	155	215+44	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
112	191+38	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252	156	220+59	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
113	187+63	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	157	216+79	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
114	192+52	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252	158	221+99	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
115	188+98	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	159	218+13	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
116	193+88	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252	160	223+46	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
117	190+32	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	161	219+48	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
118	195+23	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252	162	224+62	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
119	191+68	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	163	220+83	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
120	196+57	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252	164	225+89	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
121	193+03	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	165	222+17	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
122	197+91	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	166	227+16	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
123	194+37	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 0.8' FROM BOS	715-65-266	167	223+52	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
124	199+26	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	168	228+50	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
125	195+71	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 0.8' FROM BOS	715-65-266	169	224+74	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
126	200+59	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252	170	229+84	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
127	197+05	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 0.8' FROM BOS	715-65-266	171	226+02	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
128	201+92	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252	172	231+17	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252
129	198+37	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	173	227+36	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
130	203+44	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252	174	232+43	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252
131	199+71	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	175	228+69	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
132	204+55	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 2.6' FROM BOS	715-61-252	176	233+77	LT.	1	35'	15' / SINGLE ARM	BOGW	CYLINDRICAL / 4.2' FROM BOGW	715-61-252
133	201+06	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	177	229+93	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
134	205+88	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	178	235+10	LT.	1	35'	15' / SINGLE ARM	BOGW	CYLINDRICAL / 4.2' FROM BOGW	715-61-252
135	201+91	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	179	231+31	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
136	207+22	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	180	236+43	LT.	1	35'	15' / SINGLE ARM	BOGW	CYLINDRICAL / 4.2' FROM BOGW	715-61-252
137	203+45	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	181	232+54	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
138	208+55	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	182	237+78	LT.	1	35'	15' / SINGLE ARM	BOGW	CYLINDRICAL / 4.2' FROM BOGW	715-61-252
139	204+72	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	183	233+92	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
140	209+86	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 4.9' FROM BOS	715-61-252	184	239+09	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252
141	206+05	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	185	235+26	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
142	211+23	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	186	240+50	LT.	1	35'	15' / SINGLE ARM	SIDEWALK	CYLINDRICAL / 8.8' FROM FOC	715-61-252
143	207+39	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	187	236+61	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
144	212+57	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	188	241+65	LT.	1	35'	15' / SINGLE ARM	SIDEWALK	CYLINDRICAL / 8.8' FROM FOC	715-61-252
145	208+73	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	189	237+95	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
146	213+91	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 5.5' FROM BOS	715-61-252	190	242+98	LT.	1	35'	15' / SINGLE ARM	SIDEWALK	CYLINDRICAL / 12.2' FROM FOC	715-61-252
147	210+07	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266	191	239+30	RT.	1	35'	16' / UTILITY CONFLICT POLE	BOS	CYLINDRICAL / 2.6' FROM BOS	715-65-266
148	215+25	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252	192	244+21	LT.	1	35'	15' / SINGLE ARM	BOS	CYLINDRICAL / 0.8' FROM BOS	715-61-252

ALL POLES ARE MEASURED FROM Q CONST. LORRAINE RD.

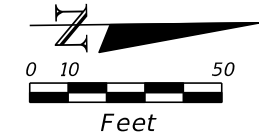
ALL MEASUREMENTS ARE TO FACE OF THE CONVENTIONAL LIGHT POLE.  
 BOS = BACK OF SIDEWALK  
 BOGW = BACK OF GRAVITY WALL  
 FOC = FACE OF CURB

SCALE AS NOTED		 HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609	DATE	 MANATEE COUNTY PUBLIC WORKS	DESIGN ENGINEER	LIGHTING DATA TABLE AND LEGEND (3)	SHEET NO.
DESIGNED BY			11/2022		JOSE A. GONZALEZ		
DRAWN BY			PROJECT NO.		FL. LICENSE NO.		
CHECKED BY			6107660		58896		
No.	REVISIONS	DATE	BY			L-10	

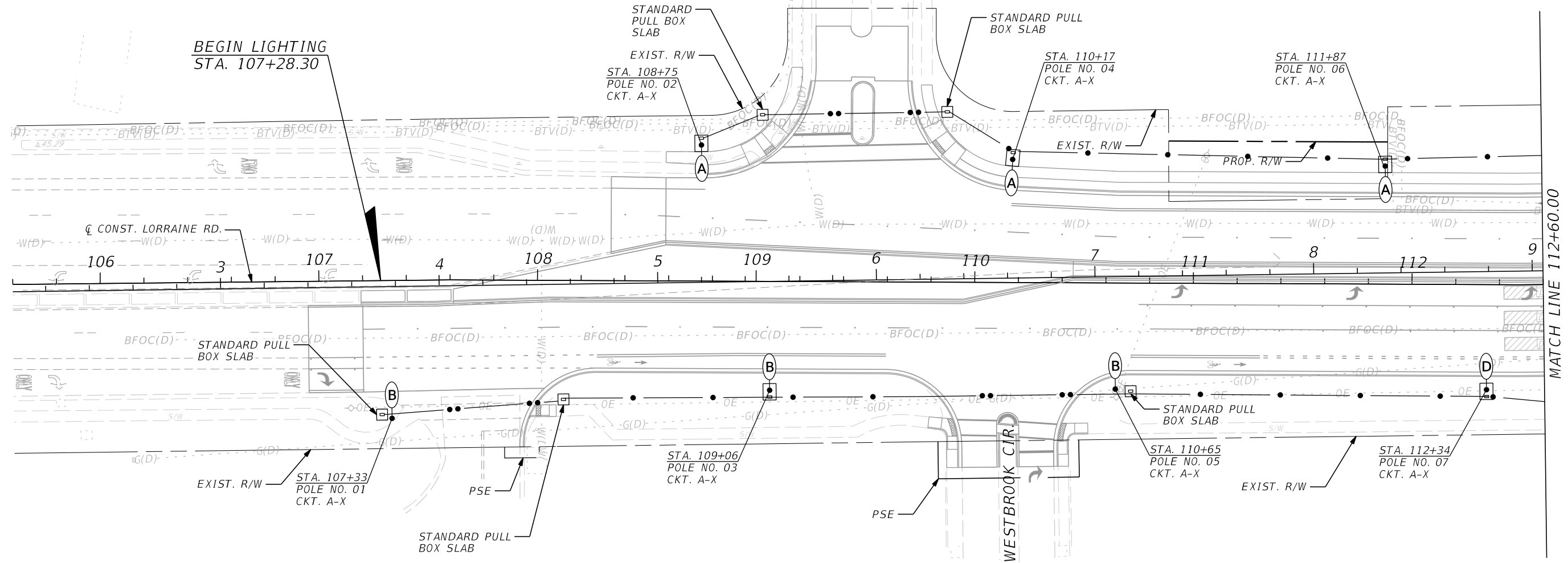
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LORRAINE ROAD



59TH CIRCLE E

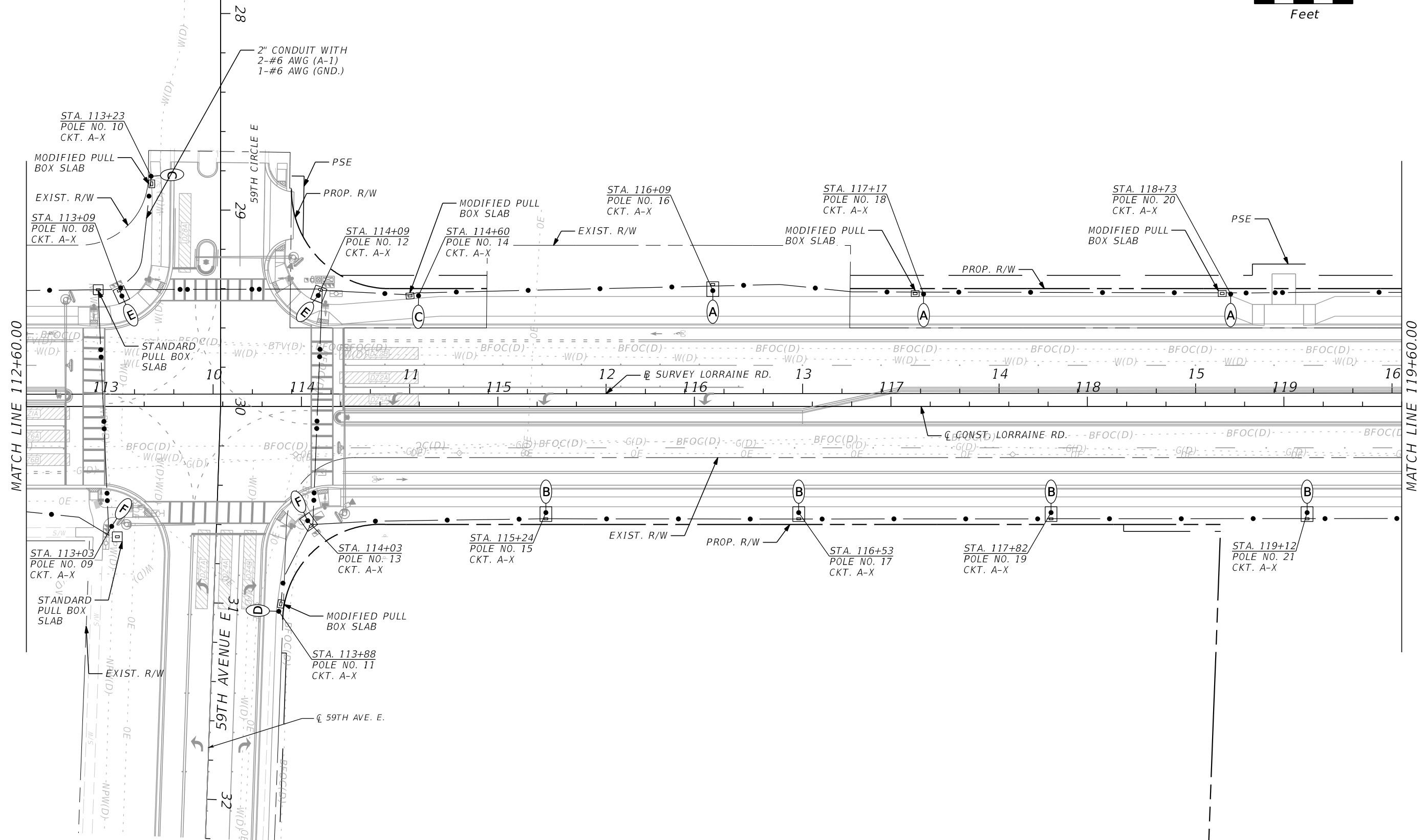
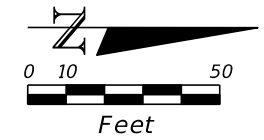


MATCH LINE 112+60.00

				SCALE AS NOTED	<p>HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609</p>	DATE 11/2022	<p>MANATEE COUNTY PUBLIC WORKS</p>	DESIGN ENGINEER JOSE A. GONZALEZ	<p>LIGHTING PLAN (1)</p>	SHEET NO.	
				DESIGNED BY JG		PROJECT NO. 6107660		FL. LICENSE NO. 58896		L-12	
				DRAWN BY SM							
				CHECKED BY BB							
No.	REVISIONS	DATE	BY								

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

LORRAINE ROAD



No.	REVISIONS	DATE	BY

SCALE	AS NOTED
DESIGNED BY	JG
DRAWN BY	SM
CHECKED BY	BB

**HDR**  
 HDR ENGINEERING, INC.  
 4830 W KENNEDY BLVD, SUITE 400  
 TAMPA, FL 33609

DATE	11/2022
PROJECT NO.	6107660

**Manatee County**  
 MANATEE COUNTY  
 PUBLIC WORKS

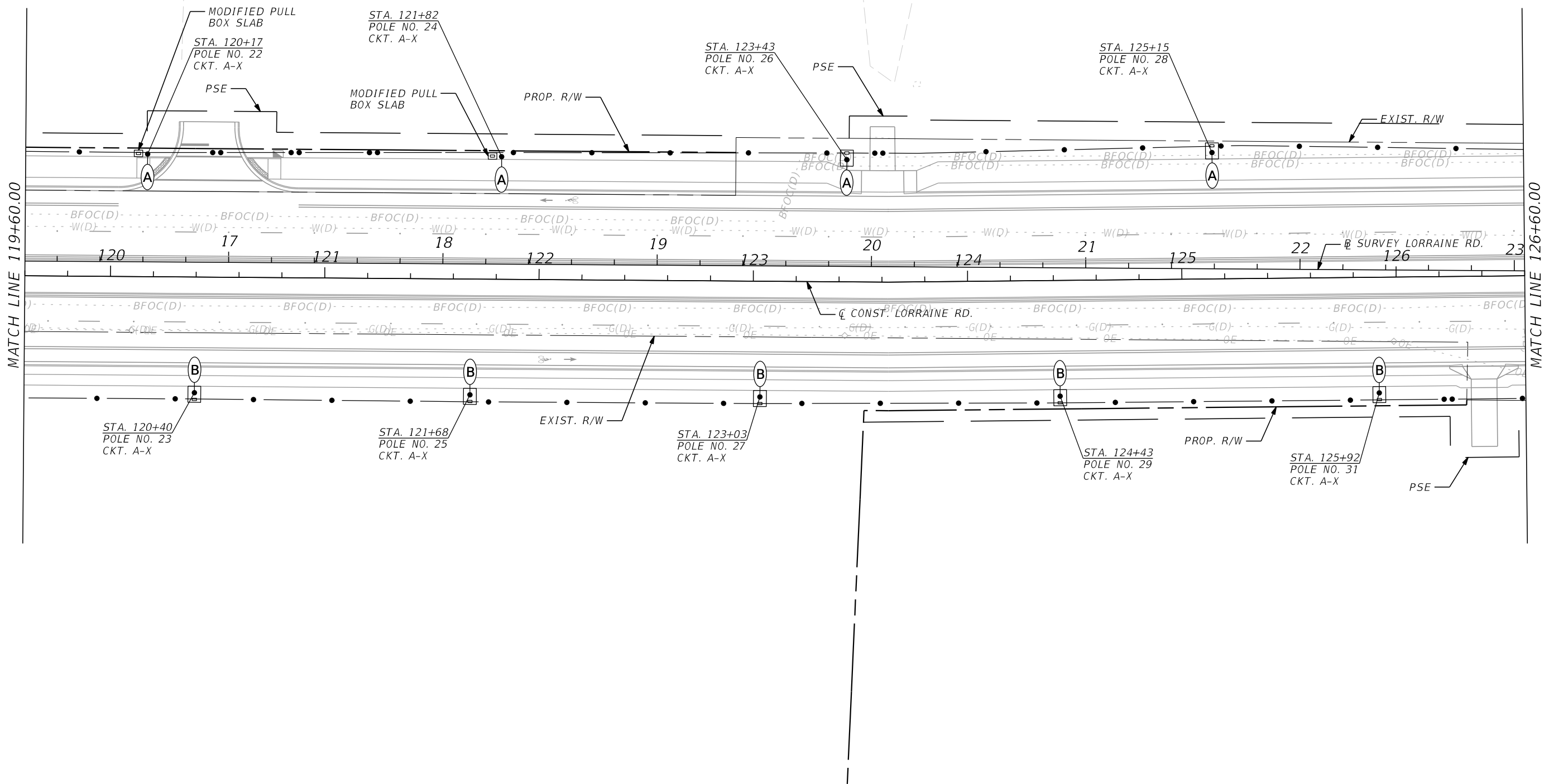
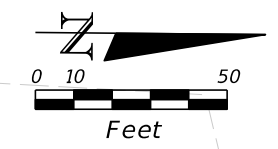
DESIGN ENGINEER	JOSE A. GONZALEZ
FL. LICENSE NO.	58896

**LIGHTING PLAN (2)**

SHEET NO.	L-13
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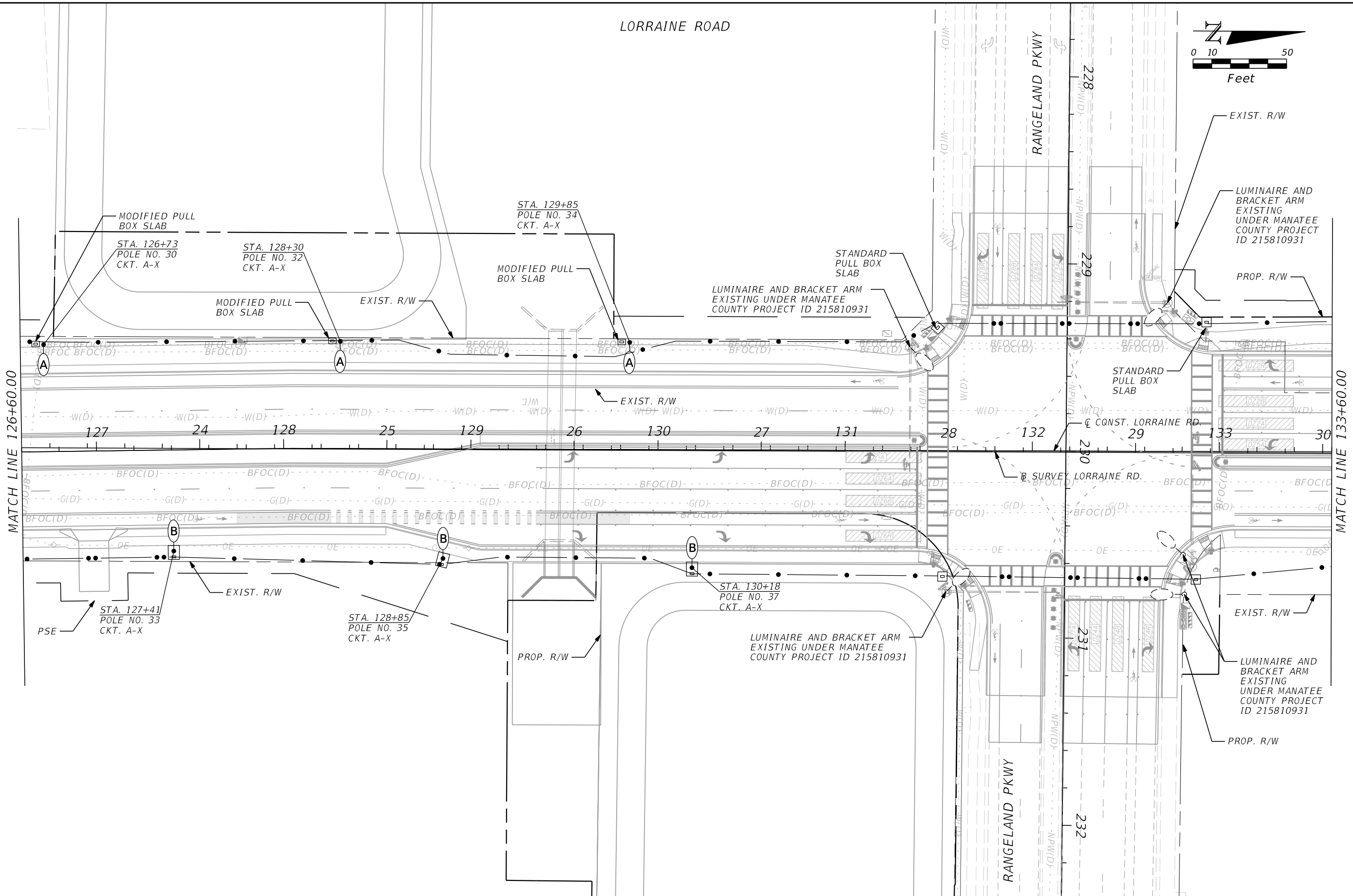
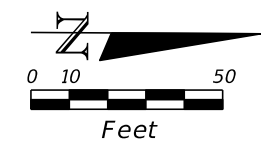
LORRAINE ROAD



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No.	REVISIONS	DATE	BY														

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

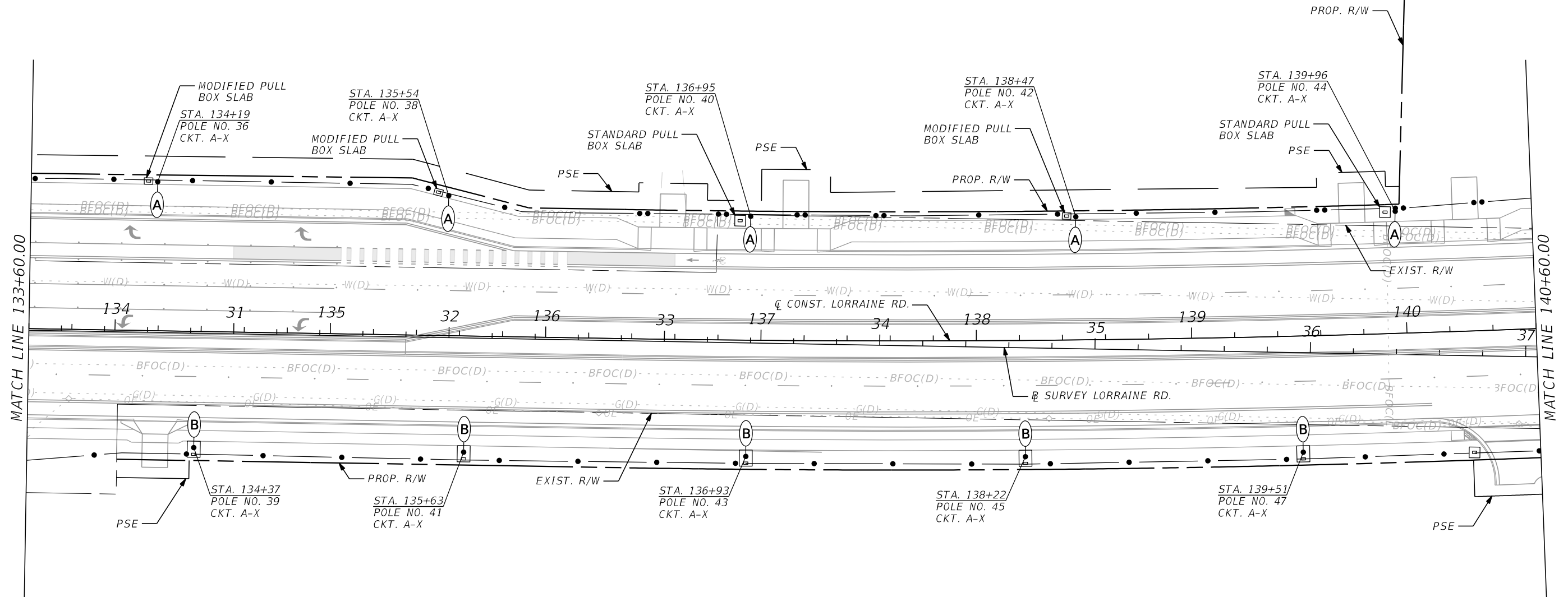
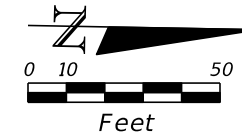
LORRAINE ROAD



SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB				<b>HDR</b> HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609		DATE 11/2022 PROJECT NO. 6107660		MANATEE COUNTY PUBLIC WORKS		DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896		SHEET NO. L-15	
No. REVISIONS DATE BY				11/28/2022 8:20:47 PM Default		SMORENCY		PW\		THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.			

LIGHTING PLAN (4)

LORRAINE ROAD



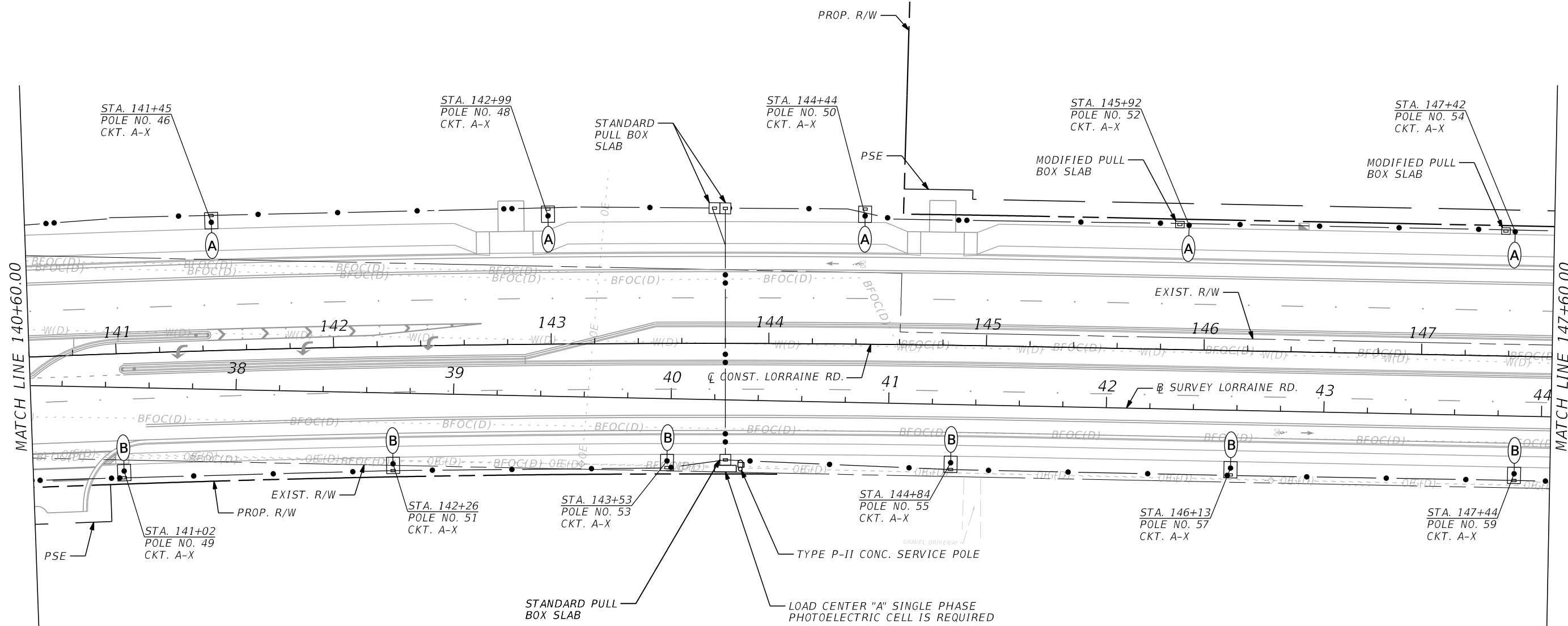
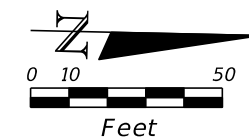
MATCH LINE 133+60.00

MATCH LINE 140+60.00

				SCALE	AS NOTED			DATE	11/2022	<b>MANATEE COUNTY PUBLIC WORKS</b>	DESIGN ENGINEER	JOSE A. GONZALEZ	<b>LIGHTING PLAN (5)</b>	SHEET NO.
				DESIGNED BY	JG			PROJECT NO.	6107660		FL. LICENSE NO.	58896		L-16
				DRAWN BY	SM									
				CHECKED BY	BB									
No.	REVISIONS	DATE	BY	<b>HDR ENGINEERING, INC.</b> 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609										



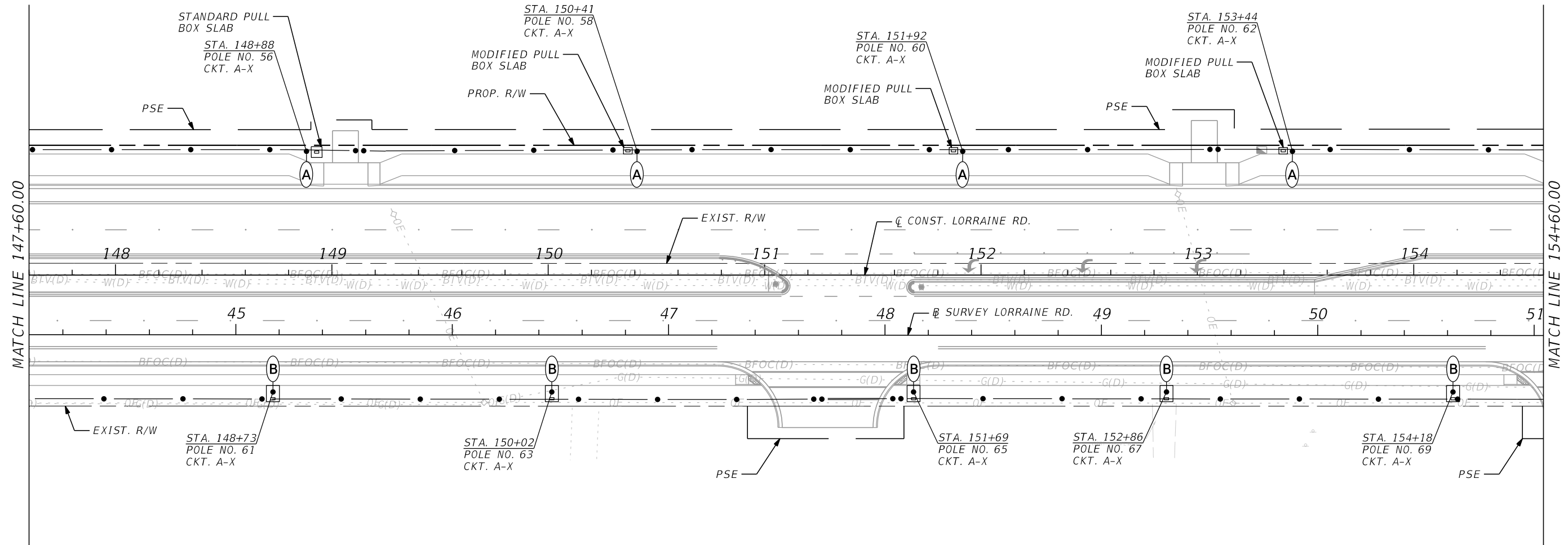
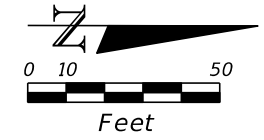
LORRAINE ROAD





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SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB				HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609		DATE 11/2022 PROJECT NO. 6107660		MANATEE COUNTY PUBLIC WORKS		DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896		SHEET NO. L-17	
No. REVISIONS DATE BY								LIGHTING PLAN (6)					

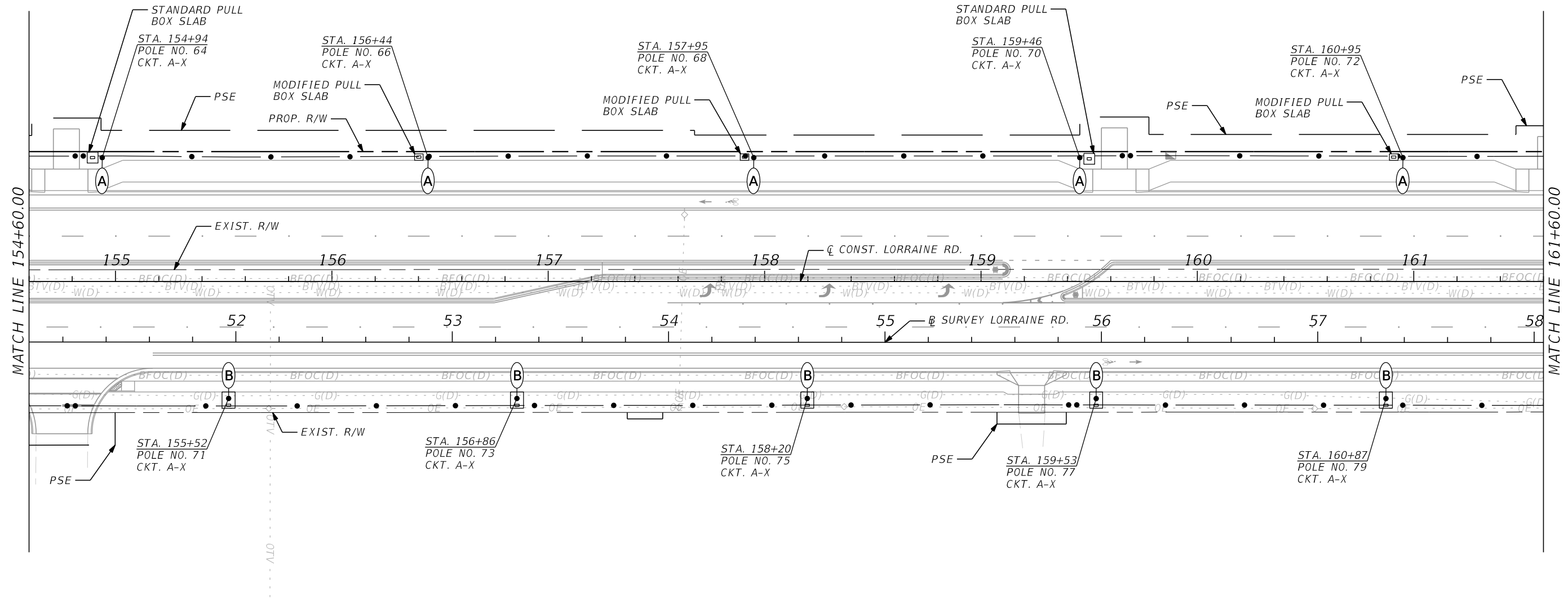
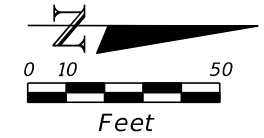
LORRAINE ROAD



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No.	REVISIONS	DATE	BY														

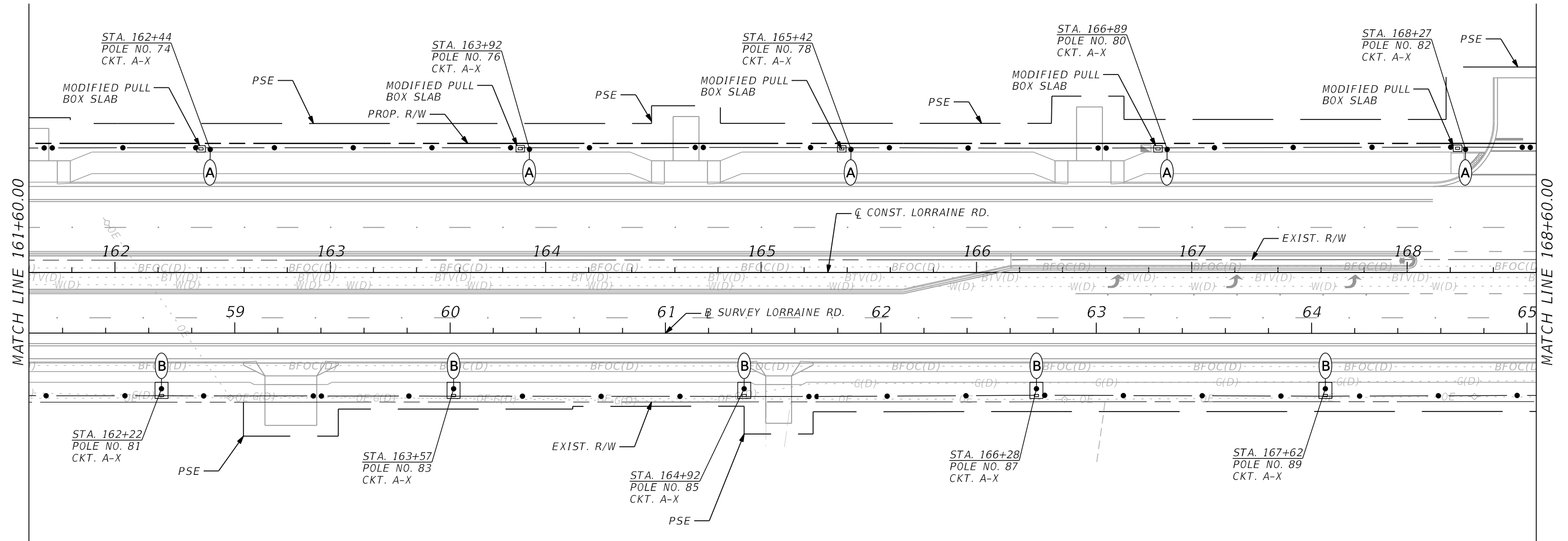
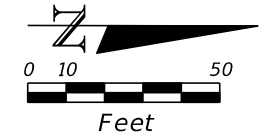
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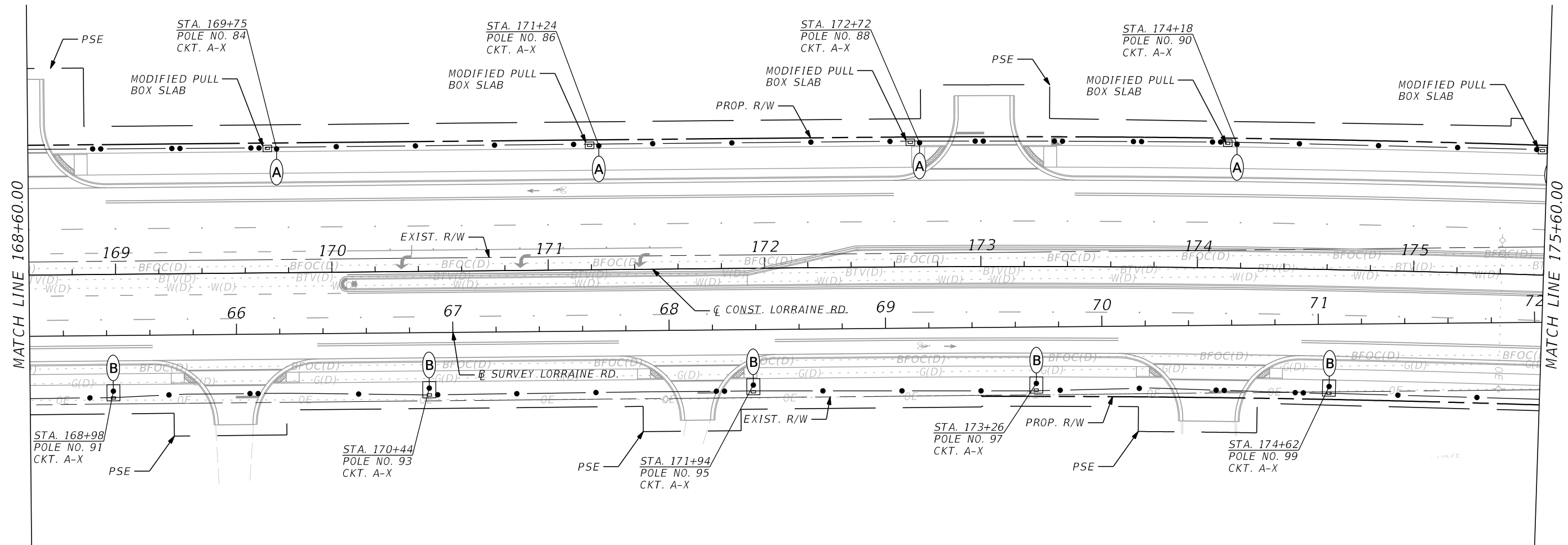
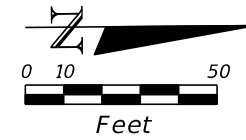
SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB				HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609		DATE 11/2022 PROJECT NO. 6107660		MANATEE COUNTY PUBLIC WORKS		DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896		SHEET NO. L-19	
No. REVISIONS DATE BY								LIGHTING PLAN (8)					

LORRAINE ROAD



SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB				HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609		DATE 11/2022 PROJECT NO. 6107660		MANATEE COUNTY PUBLIC WORKS		DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896		SHEET NO. L-20	
No. REVISIONS DATE BY								LIGHTING PLAN (9)					

LORRAINE ROAD



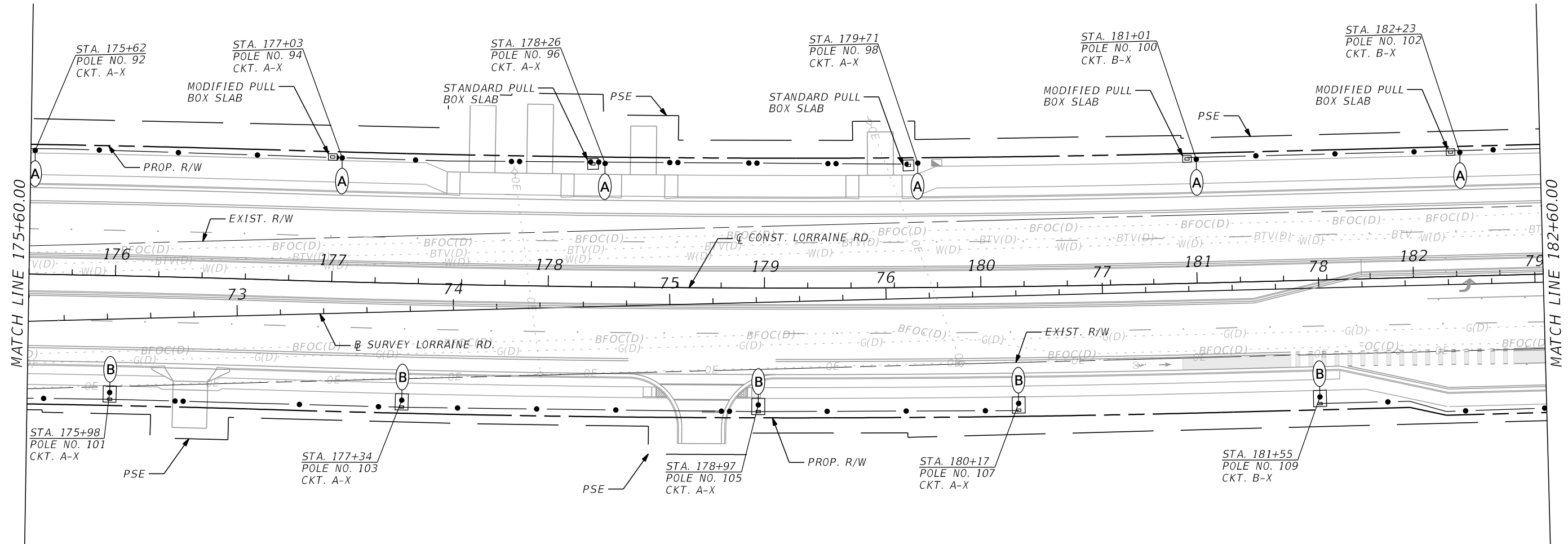
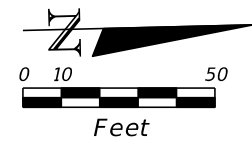
MATCH LINE 168+60.00

MATCH LINE 175+60.00

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SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB				HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609		DATE 11/2022 PROJECT NO. 6107660		MANATEE COUNTY PUBLIC WORKS		DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896		SHEET NO. L-21	
No. REVISIONS DATE BY								LIGHTING PLAN (10)					

LORRAINE ROAD

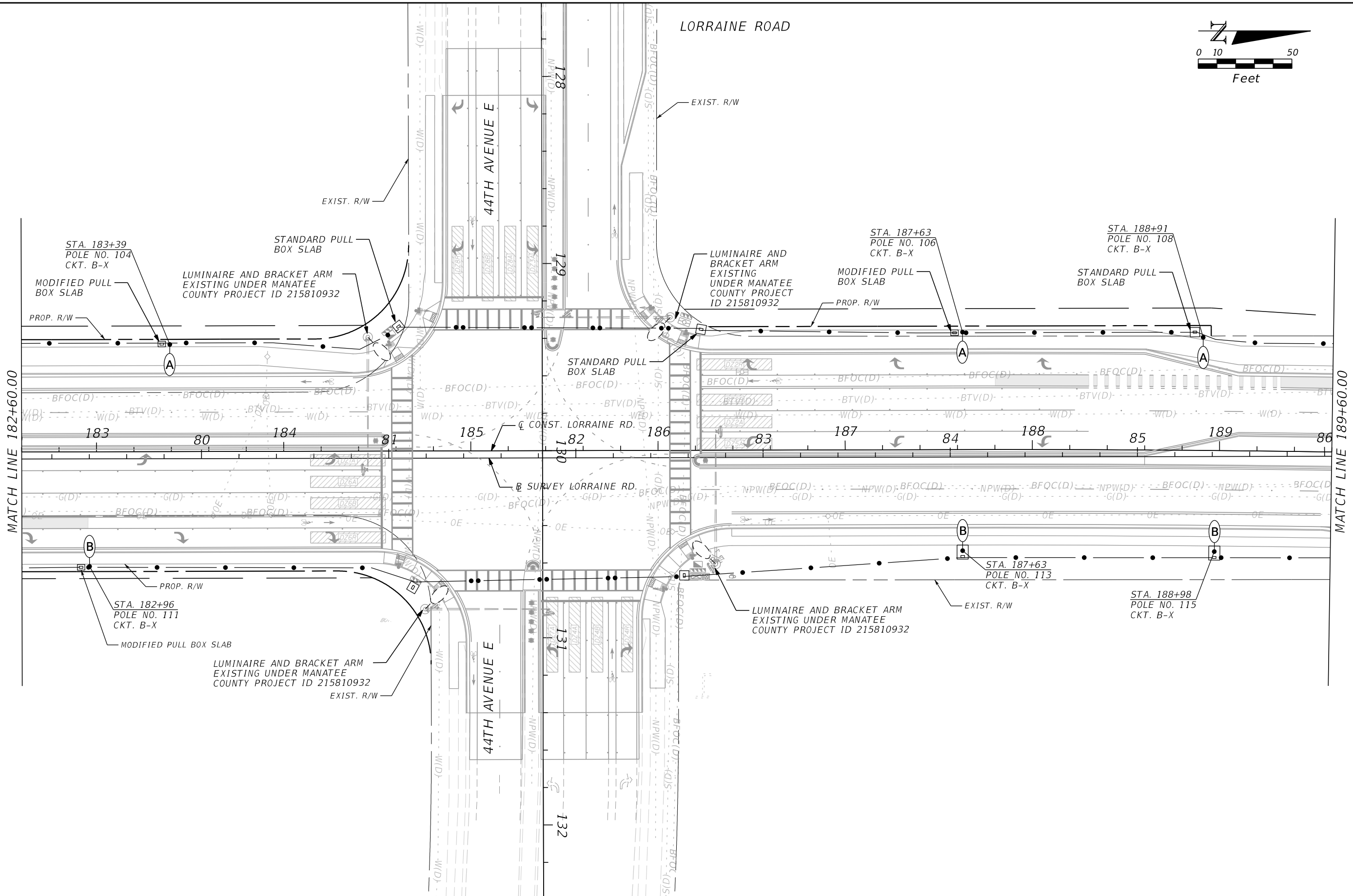
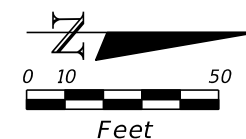


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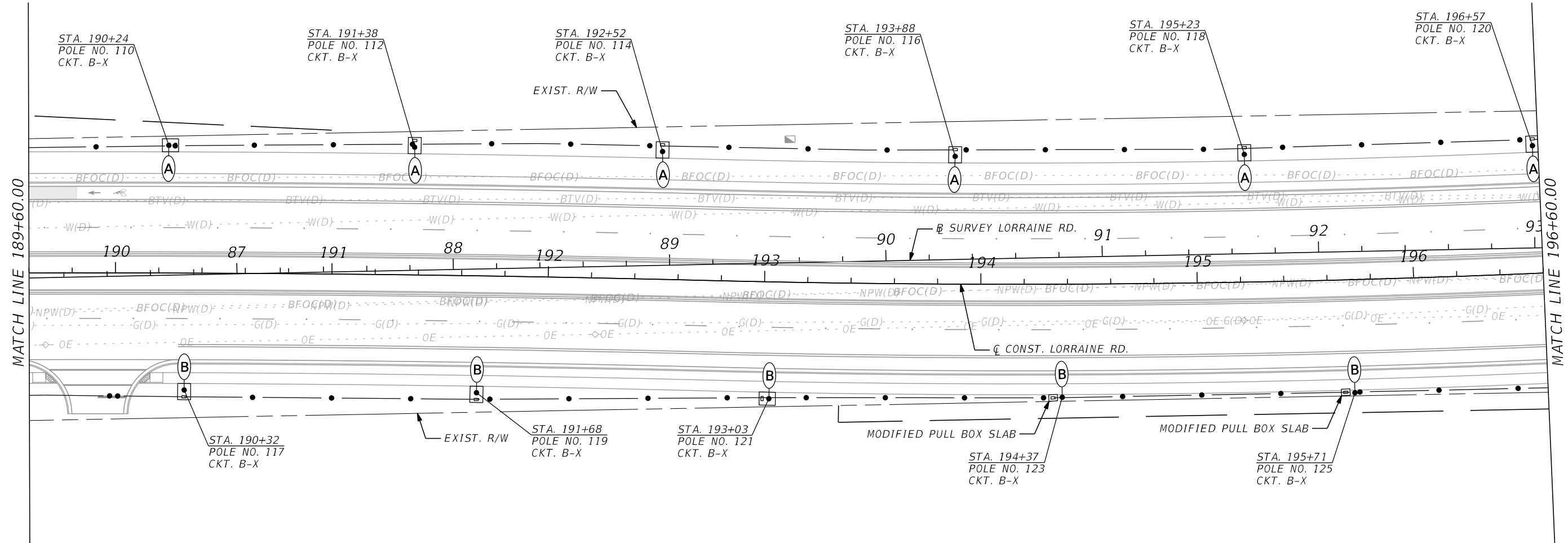
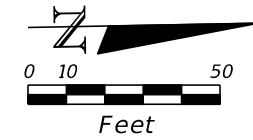
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No. REVISIONS DATE BY								LIGHTING PLAN (11)					



SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB				<b>HDR</b> HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609		DATE 11/2022 PROJECT NO. 6107660		<b>MANATEE COUNTY PUBLIC WORKS</b>		DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896		<b>LIGHTING PLAN (12)</b>		SHEET NO. L-23	
No.	REVISIONS			DATE	BY										

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LORRAINE ROAD

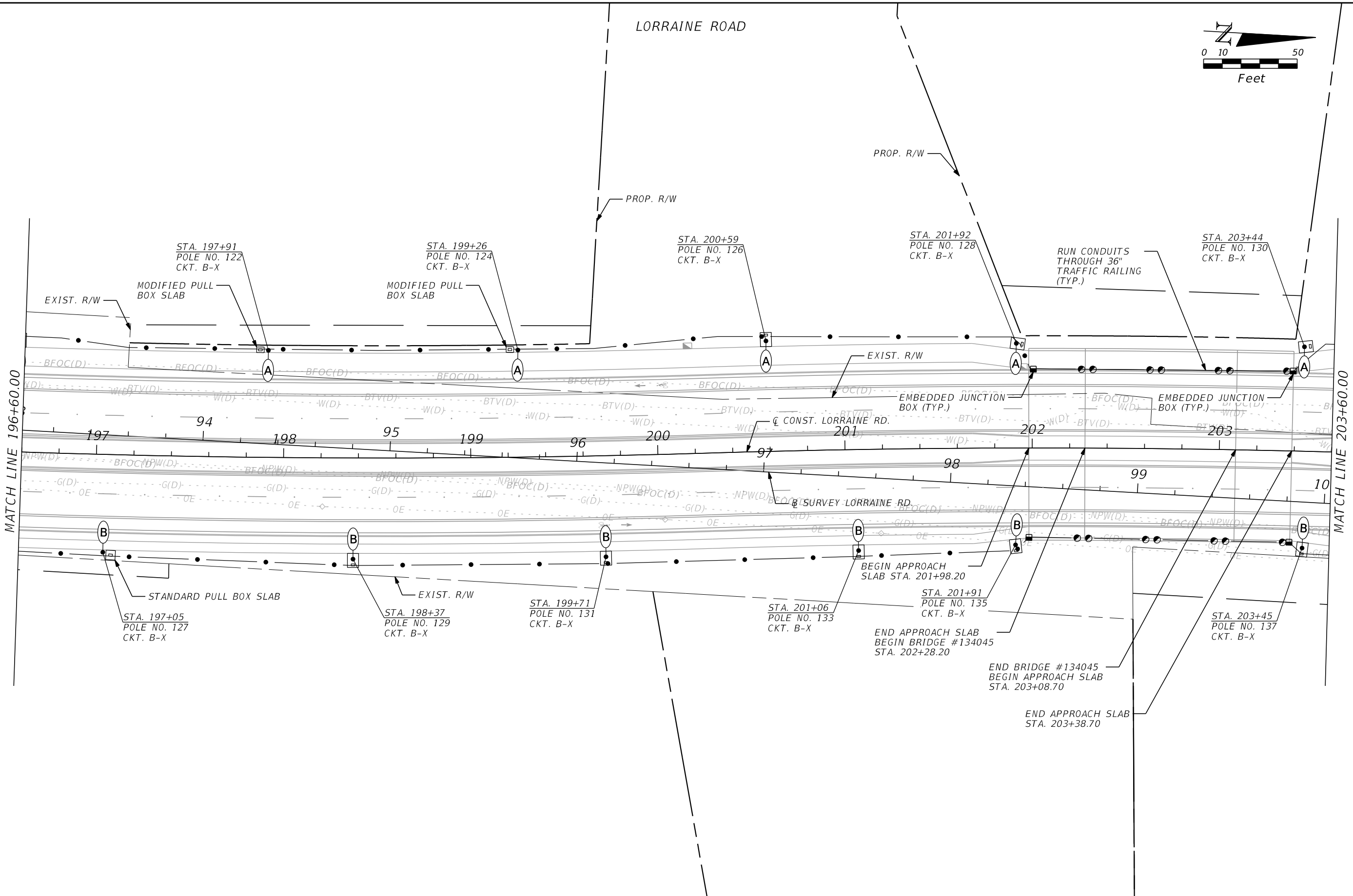
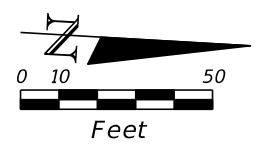


THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

				SCALE AS NOTED	<p>HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609</p>	DATE	<p>MANATEE COUNTY PUBLIC WORKS</p>	DESIGN ENGINEER	<p>JOSE A. GONZALEZ FL. LICENSE NO. 58896</p>	SHEET NO.	
				DESIGNED BY JG		11/2022					
				DRAWN BY SM		PROJECT NO.					
				CHECKED BY BB		6107660					
No.	REVISIONS	DATE	BY							L-24	



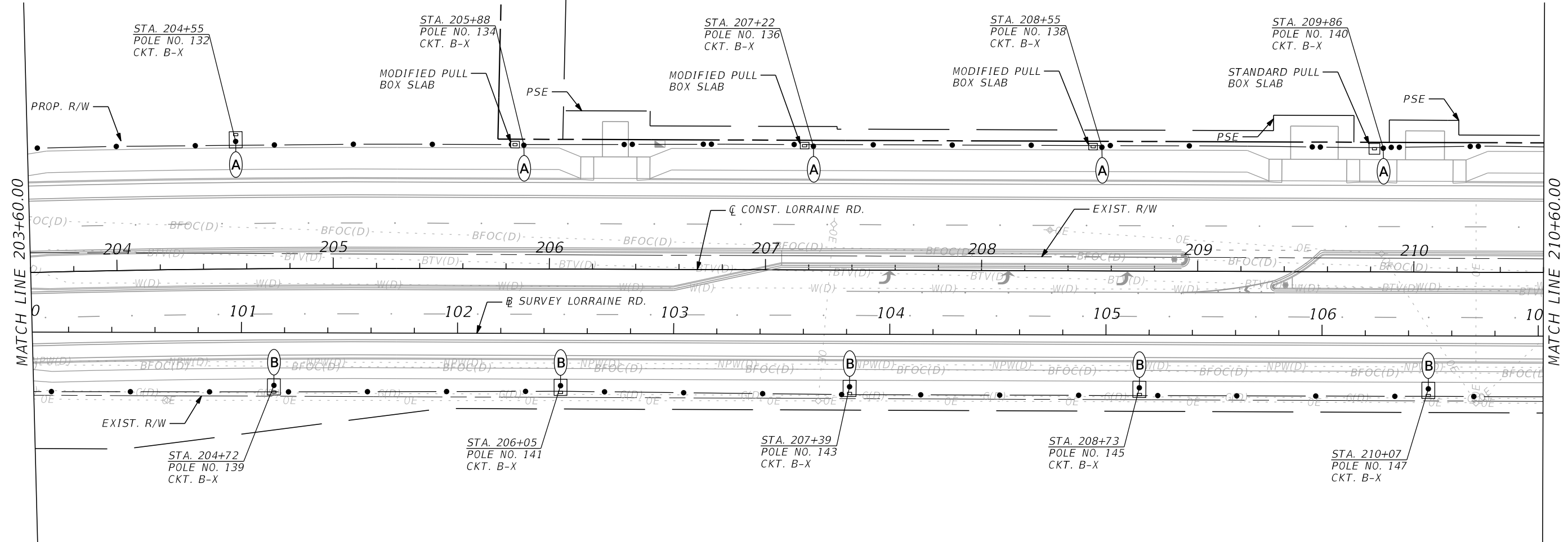
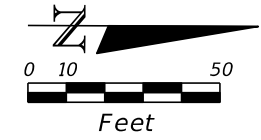
LORRAINE ROAD





SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB				HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609		DATE 11/2022 PROJECT NO. 6107660		MANATEE COUNTY PUBLIC WORKS		DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896		SHEET NO. L-25	
LIGHTING PLAN (14)													

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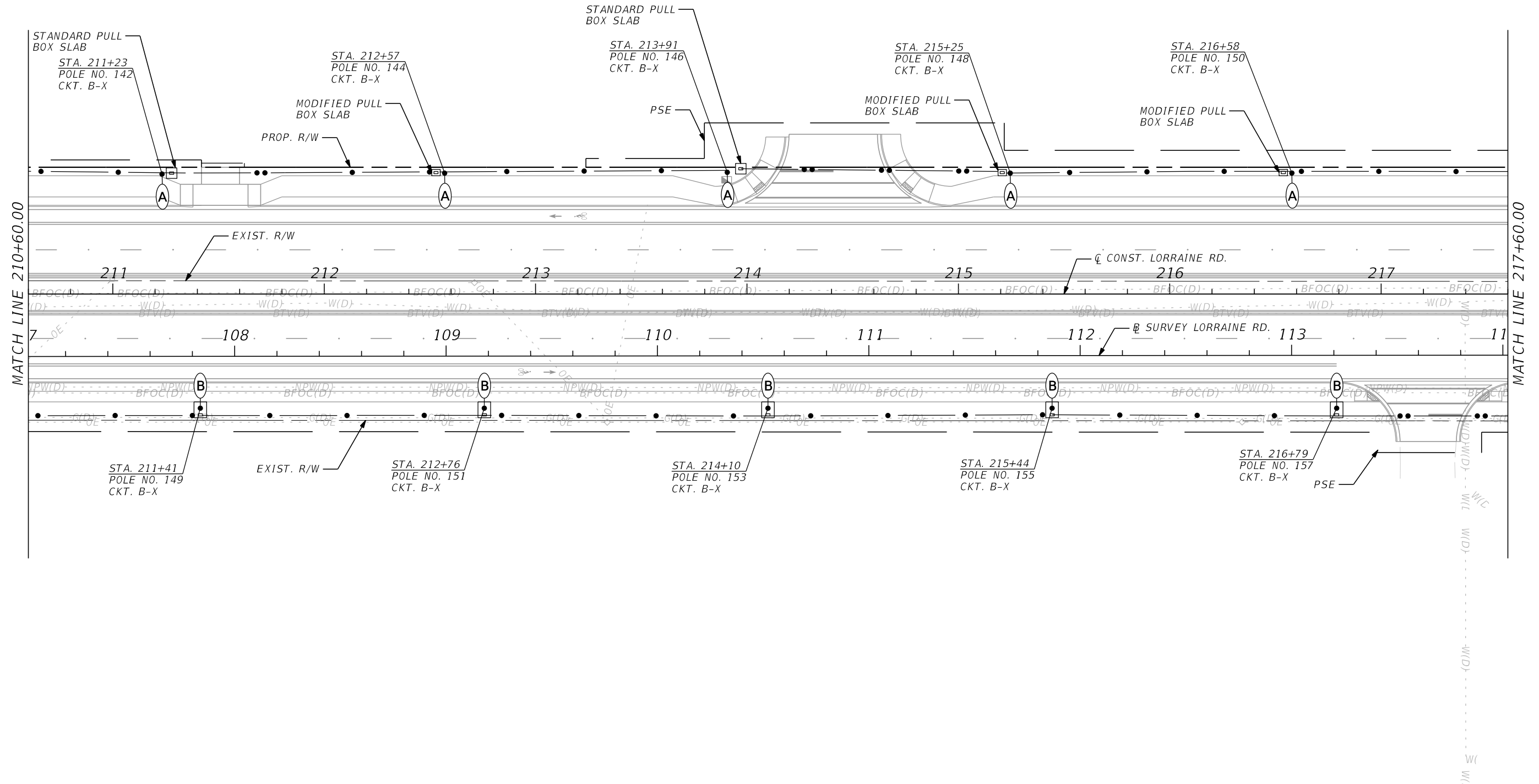
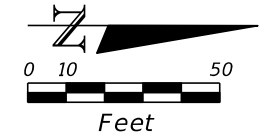
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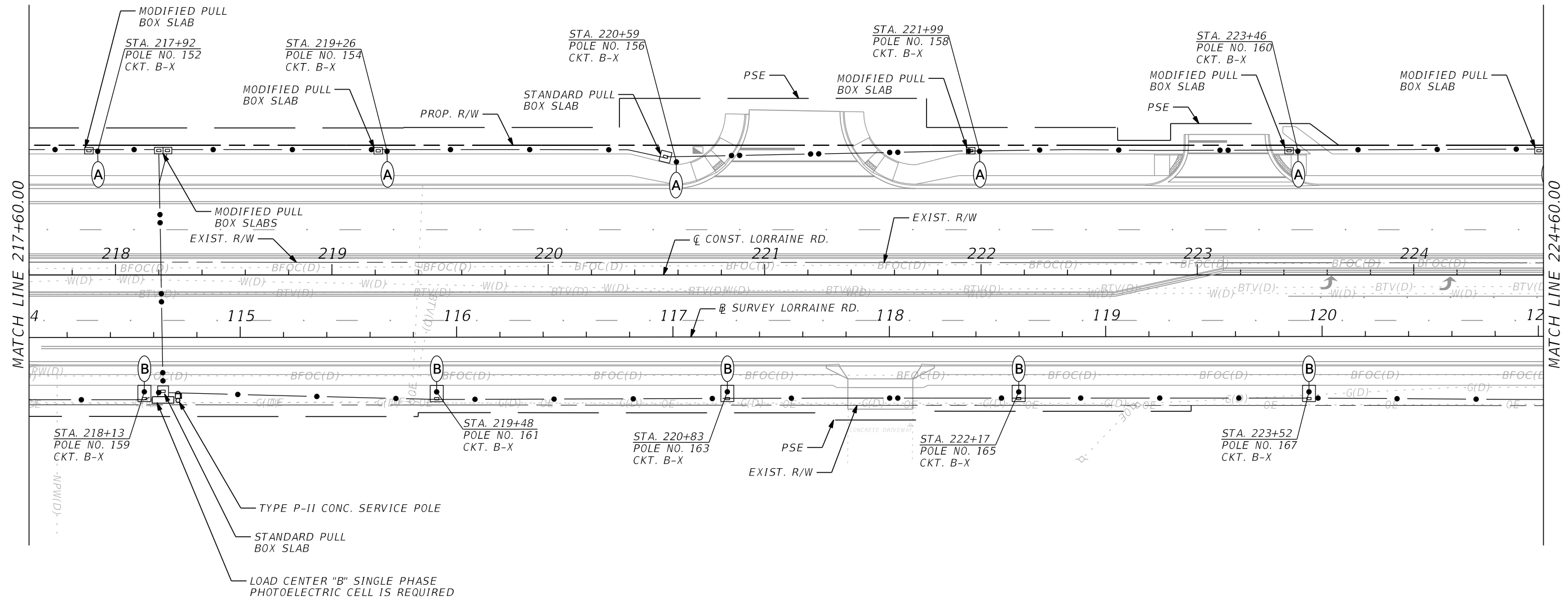
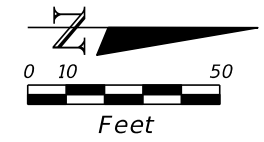
SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB				DATE 11/2022 PROJECT NO. 6107660		 MANATEE COUNTY PUBLIC WORKS		DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896		SHEET NO. L-26	
No. REVISIONS DATE BY				11/28/2022 3:56:50 PM Default		 HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609		LIGHTING PLAN (15)		PW:\	

LORRAINE ROAD



SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB				DATE 11/2022 PROJECT NO. 6107660		MANATEE COUNTY PUBLIC WORKS DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896		SHEET NO. L-27	
No. REVISIONS DATE BY				HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609		SMORENCY		PW:\	

LORRAINE ROAD



No.	REVISIONS	DATE	BY

SCALE AS NOTED

DESIGNED BY JG

DRAWN BY SM

CHECKED BY BB

**HDR**  
HDR ENGINEERING, INC.  
4830 W KENNEDY BLVD, SUITE 400  
TAMPA, FL 33609

DATE 11/2022

PROJECT NO. 6107660

**Manatee County**  
FLORIDA

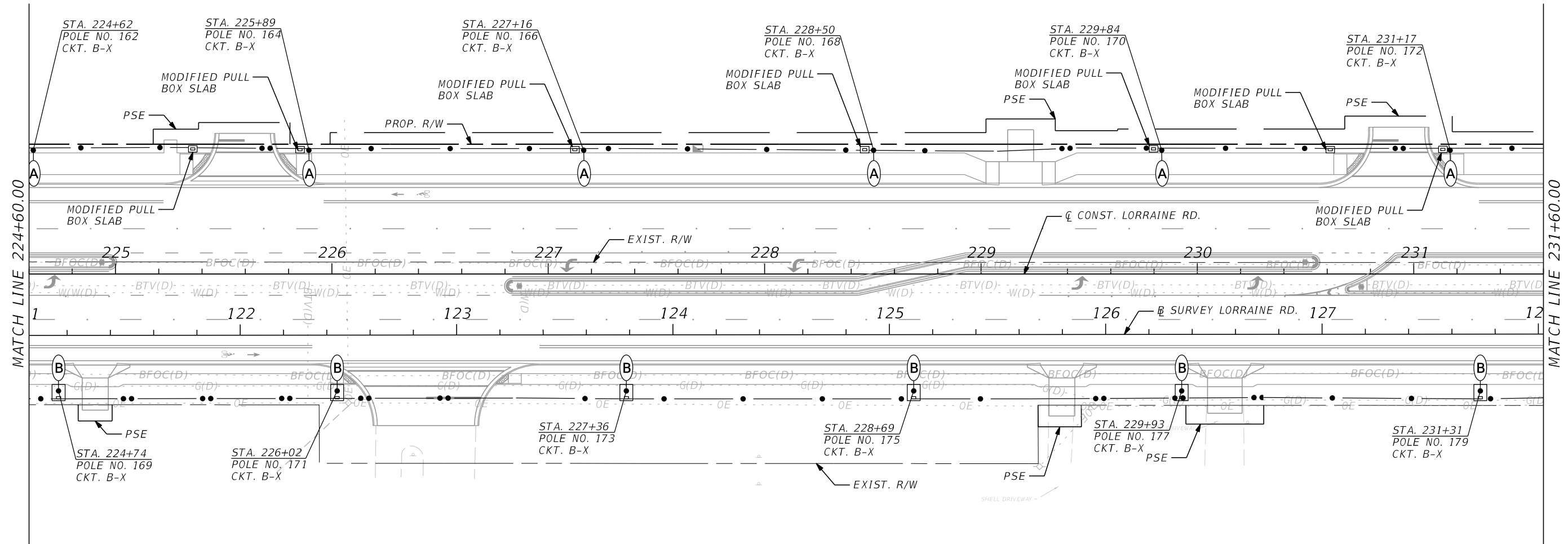
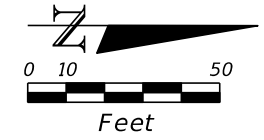
**MANATEE COUNTY PUBLIC WORKS**

DESIGN ENGINEER  
JOSE A. GONZALEZ  
FL. LICENSE NO. 58896

**LIGHTING PLAN (17)**

SHEET NO.  
L-28

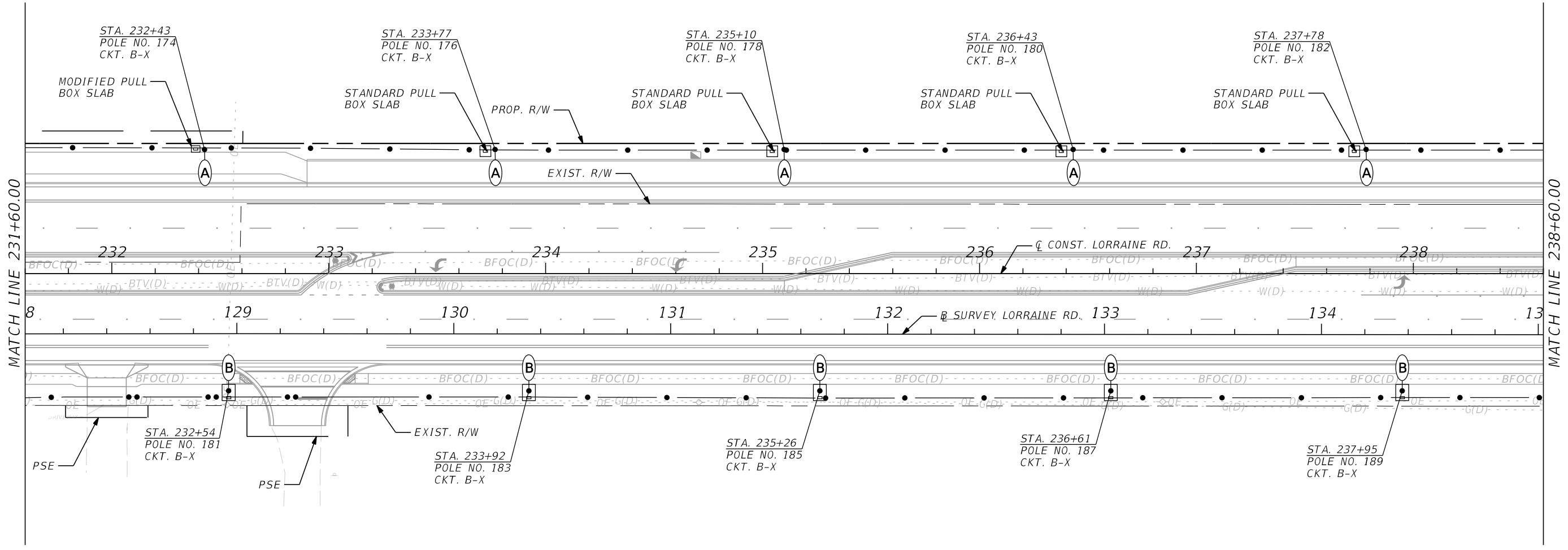
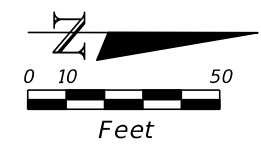
LORRAINE ROAD



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SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB				HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609		DATE 11/2022 PROJECT NO. 6107660		MANATEE COUNTY PUBLIC WORKS		DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896		SHEET NO. L-29	
No.	REVISIONS	DATE	BY										

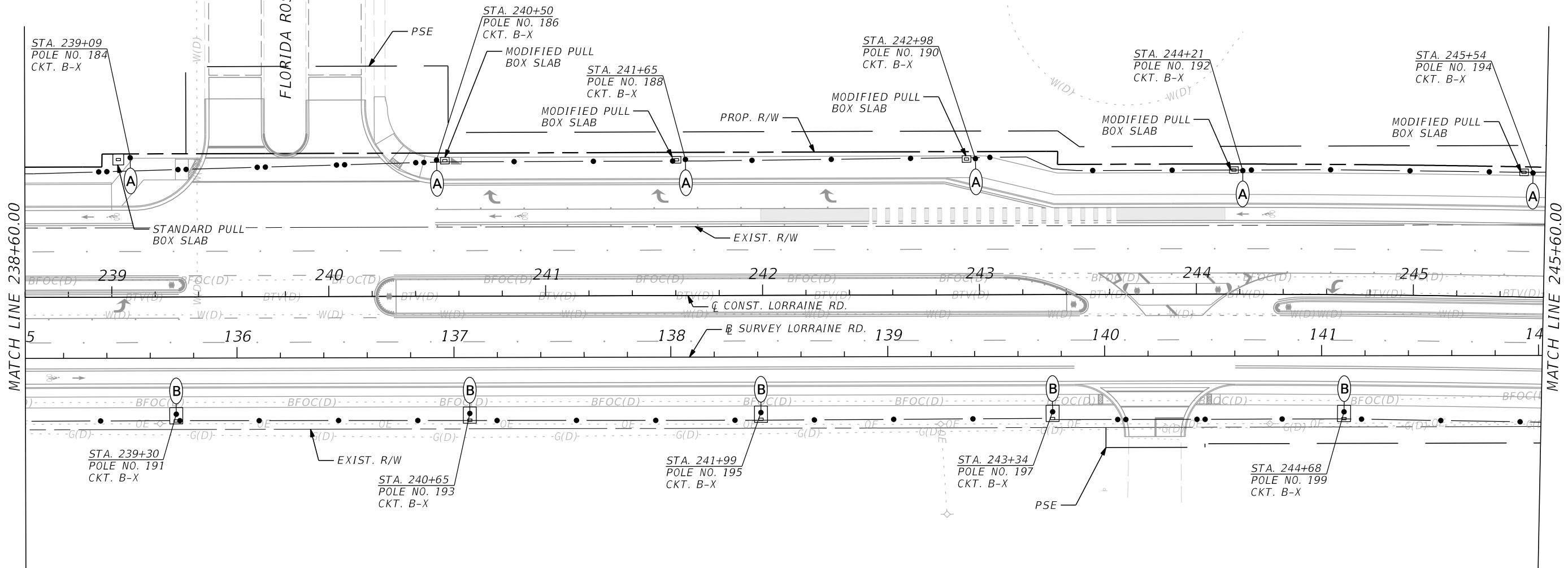
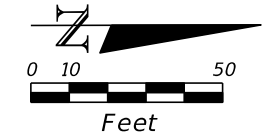
LORRAINE ROAD



SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB				HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609		DATE 11/2022 PROJECT NO. 6107660		MANATEE COUNTY PUBLIC WORKS		DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896		SHEET NO. L-30	
No. REVISIONS DATE BY				11/28/2022 4:00:26 PM Default		SMORENCY		PW:\		THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.			

LIGHTING PLAN (19)

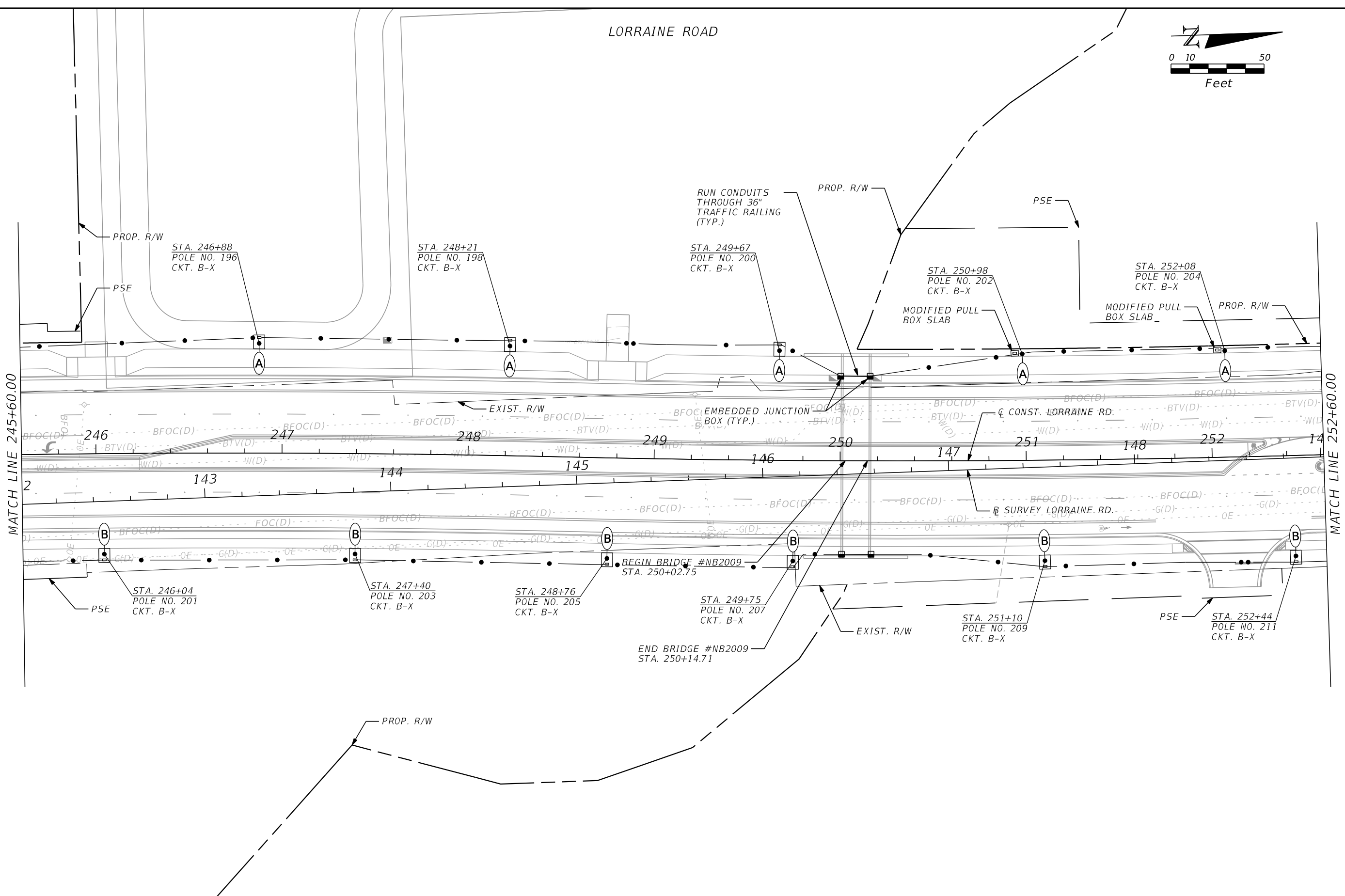
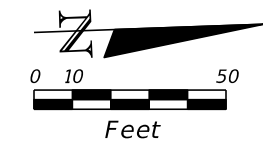
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SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB				HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609		DATE 11/2022 PROJECT NO. 6107660		MANATEE COUNTY PUBLIC WORKS		DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896		SHEET NO. L-31	
No. REVISIONS DATE BY				11/28/2022 4:01:07 PM Default		SMORENCY		PW:\		THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.			

LIGHTING PLAN (20)

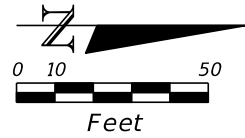
LORRAINE ROAD



SCALE AS NOTED DESIGNED BY JG DRAWN BY SM CHECKED BY BB				DATE 11/2022 PROJECT NO. 6107660		MANATEE COUNTY PUBLIC WORKS DESIGN ENGINEER JOSE A. GONZALEZ FL. LICENSE NO. 58896		SHEET NO. L-32	
No. REVISIONS DATE BY				HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609					

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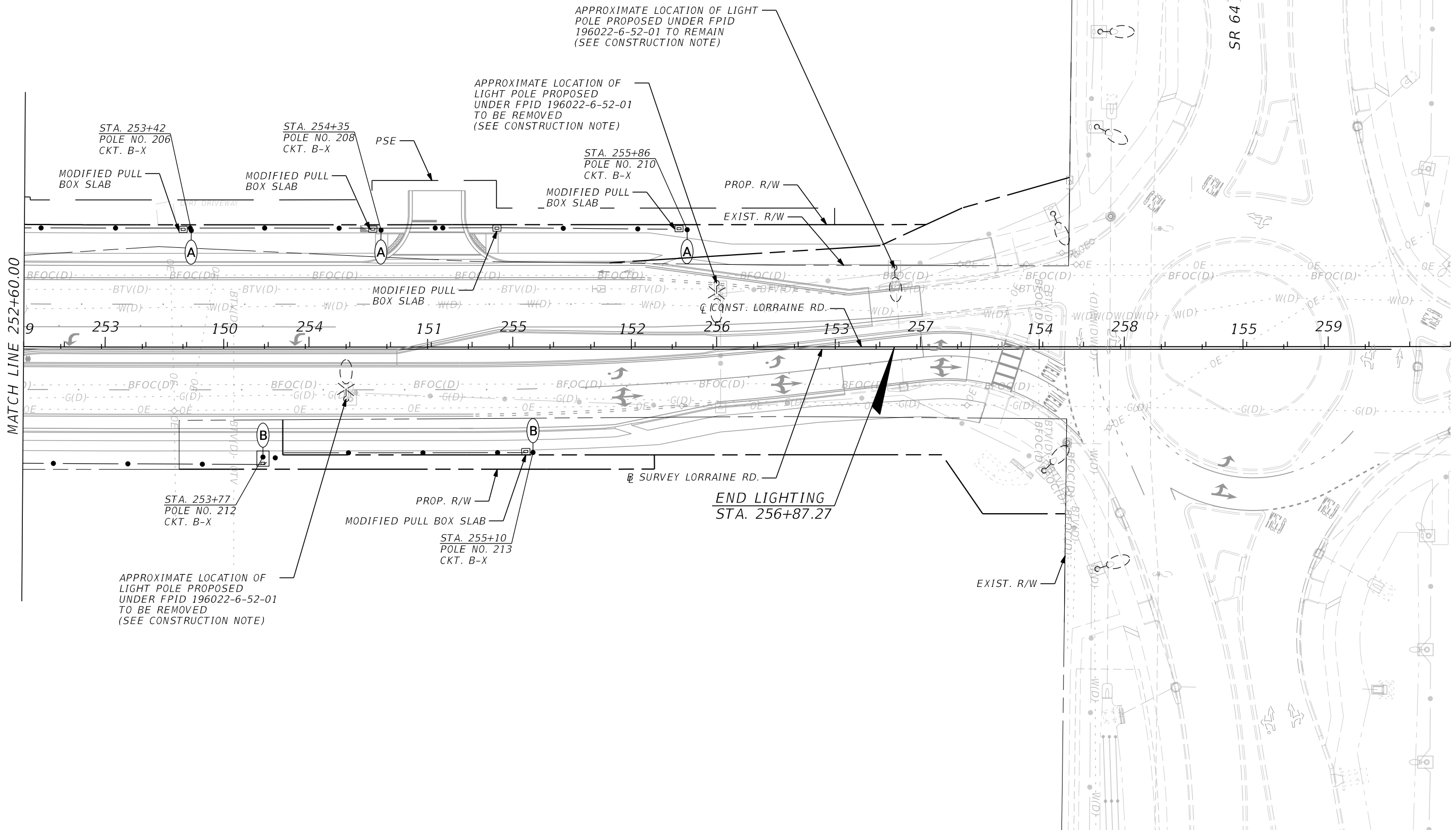




LORRAINE ROAD

CONSTRUCTION NOTE:

1. REMOVE THE CONDUCTORS BETWEEN THE LIGHT POLE AT STATION 254+18 AND THE EXISTING LIGHT POLE TO REMAIN AT STATION 256+87.



				SCALE AS NOTED	<p>HDR ENGINEERING, INC. 4830 W KENNEDY BLVD, SUITE 400 TAMPA, FL 33609</p>	DATE 11/2022	<p>MANATEE COUNTY PUBLIC WORKS</p>	DESIGN ENGINEER JOSE A. GONZALEZ	<p>LIGHTING PLAN (22)</p>	SHEET NO.
				DESIGNED BY JG		PROJECT NO. 6107660		FL. LICENSE NO. 58896		L-33
				DRAWN BY SM						
				CHECKED BY BB						
No.	REVISIONS	DATE	BY							

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