

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

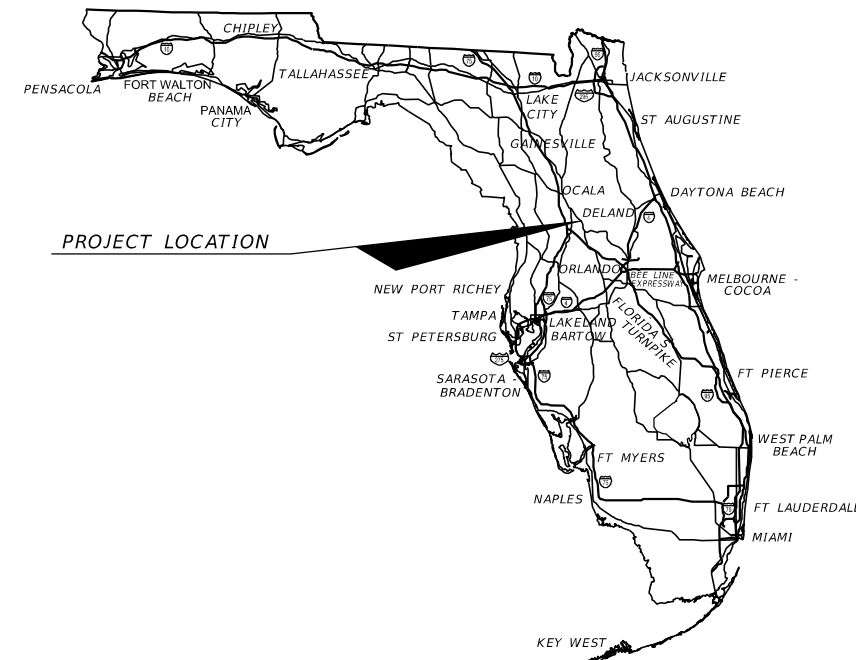
CONTRACT PLANS

FINANCIAL PROJECT ID 238275-2-52-01

LAKE COUNTY (11130)

STATE ROAD NO. 46

LIGHTING PLANS



INDEX OF LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
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L-5	PROJECT NOTES
L-6 - L-7	POLE DATA AND LEGEND
L-8 - L-10	PROJECT LAYOUT
L-11 - L-28	LIGHTING PLAN
L-29	SERVICE POINT DETAIL

LIGHTING SHOP DRAWINGS
TO BE SUBMITTED TO:

PROTEAN DESIGN GROUP
SCOTT G. HORLANDER, P.E. NO. 46624
100 EAST PINE STREET, SUITE 600
ORLANDO FLORIDA 32801

PLANS PREPARED BY:

PROTEAN DESIGN GROUP
100 EAST PINE STREET, SUITE 600
ORLANDO FLORIDA 32801
PHONE (407) 246-0044
VENDOR NO. F59-3473441
CONTRACT NO. 9886
CERTIFICATE OF AUTHORIZATION NO. 7865

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

**PHASE IV SUBMITTAL
7/2/15**

KEY SHEET REVISIONS	
DATE	DESCRIPTION

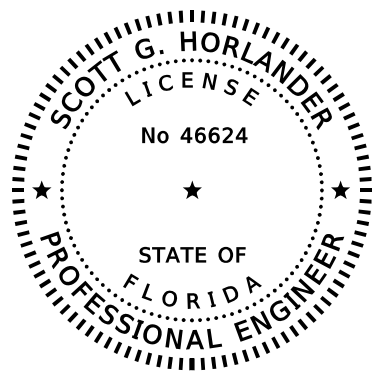
LIGHTING PLANS
ENGINEER OF RECORD: SCOTT G. HORLANDER, P.E.

P.E. NO.: 46624

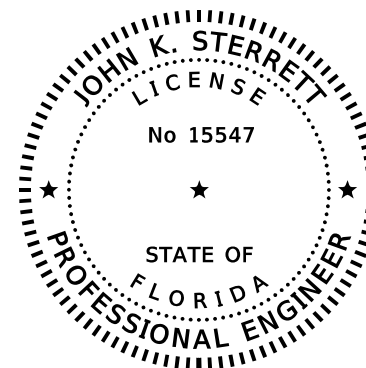
FISCAL YEAR	SHEET NO.
17	L-1

FDOT PROJECT MANAGER: MEDHAT HASSAN, P.E.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



PROTEAN DESIGN GROUP
 SCOTT G. HORLANDER, P.E. NO. 46624
 100 EAST PINE STREET, SUITE 600
 ORLANDO FLORIDA 32801
 PHONE (407) 246-0044
 CERTIFICATE OF AUTHORIZATION NUMBER 7865



PROTEAN DESIGN GROUP
 JOHN K. STERRETT, P.E. NO. 15547
 100 EAST PINE STREET, SUITE 600
 ORLANDO FLORIDA 32801
 PHONE (407) 246-0044
 CERTIFICATE OF AUTHORIZATION NUMBER 7865

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.003, F.A.C.

LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
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THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.003, F.A.C.

LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
L-2	SIGNATURE SHEET
L-29	SERVICE POINT DETAIL

REVISIONS				PROTEAN DESIGN GROUP 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-2
					46	LAKE	238275-2-52-01		

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
			L-11		L-12		L-13		L-14		L-15		L-16		L-17		L-18		L-19		L-20		PLAN	FINAL	PLAN	FINAL	
			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	930		2343		1279		1308		1465		1401		1400		1312		1303		1394		14135				
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF	94		-		-		127		-		-		-		90		97		82		490				
630-2-15	CONDUIT, F&I, BRIDGE MOUNT	LF	-		80		-		20		-		-		-		-		-		-		100				
635-2-11	PULL & SPLICE BOX, F&I, 13"X24	EA	8		23		6		9		9		6		6		7		7		8		89				
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8 TO NO. 6	LF	3072		11840		5946		6510		4704		4203		4200		4206		4200		4428		53309				
715-1-13	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 4 TO NO. 2	LF	-		2344		2558		2806		2930		2386		-		-		-		-		13024				
715-4-133	LIGHT POLE COMPLETE, F&I, W.S. 110, 50'	EA	4		12		8		7		8		6		6		5		6		7		69				
715-7-12	LOAD CENTER, F&I, PRIMARY VOLTAGE	EA	-		1		-		-		-		-		-		-		-		-		1				
715-11-125	LUMINAIRE, F&I, UNDER DECK, WALL MOUNT	EA	-		4		-		1		-		-		-		-		-		-		5				
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	4		9		5		4		7		6		6		5		6		7		59				
715-500-3	POLE CABLE DISTRIBUTION SYSTEM, WALL MOUNT	EA	-		4		3		3		1		-		-		-		-		-		11				
715-516-115	LIGHT POLE COMPLETE, SPECIAL DESIGN, F&I, POLE TOP MOUNT, ALUMINUM, 15'	EA	-		1		-		-		-		-		-		-		-		-		1				

<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					<p>PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865</p>			<p>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>46</td> <td>LAKE</td> <td>238275-2-52-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	46	LAKE	238275-2-52-01	<p>TABULATION OF QUANTITIES</p>				<p>SHEET NO. L-3</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																									
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																										
46	LAKE	238275-2-52-01																										

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
			L-21		L-22		L-23		L-24		L-25		L-26		L-27		L-28		PLAN	FINAL	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	270		1400		1400		1966		1640		1324		1400		748						10148		24283		
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF	-		-		-		-		-		82		-		-						82		572		
630-2-15	CONDUIT, F&I, BRIDGE MOUNT	LF	-		-		-		-		-		-		-		-							100			
635-2-11	PULL & SPLICE BOX, F&I, 13"X24	EA	2		8		6		11		10		9		7		5						58		147		
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8 TO NO. 6	LF	810		4200		4200		8072		5394		4218		4200		2244						33338		86647		
715-1-13	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 4 TO NO. 2	LF	-		-		-		-		-		-		-		-								13024		
715-4-133	LIGHT POLE COMPLETE, F&I, W.S. 110, 50'	EA	2		8		6		9		9		7		7		5						53		122		
715-7-12	LOAD CENTER, F&I, PRIMARY VOLTAGE	EA	-		-		-		-		-		-		-		-								1		
715-11-125	LUMINAIRE, F&I, UNDER DECK, WALL MOUNT	EA	-		-		-		-		-		-		-		-								5		
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	2		8		6		11		9		7		7		5						55		114		
715-500-3	POLE CABLE DISTRIBUTION SYSTEM, WALL MOUNT	EA	-		-		-		1		-		-		-		-						1		12		
715-516-115	LIGHT POLE COMPLETE, SPECIAL DESIGN, F&I, POLE TOP MOUNT, ALUMINUM, 15'	EA	-		-		-		3		-		-		-		-						3		4		

REVISIONS DATE DESCRIPTION DATE DESCRIPTION				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO. L-4
ROAD NO.		COUNTY			FINANCIAL PROJECT ID				
46		LAKE			238275-2-52-01				

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PROJECT NOTES

1. UTILITY OWNERS:

<u>UTILITY AGENCY/OWNERS:</u>	<u>CONTACT:</u>	<u>TELEPHONE NUMBER:</u>
CENTURYLINK	WADE RICH	407-881-8383
CITY OF MOUNT DORA - WATER/SEWER	MICHAEL QUINN	352-735-7126
CITY OF LEESBURG - FIBER OPTIC	JIMMY FEAGLE	352-435-9440
COMCAST COMMUNICATIONS	SCOTT OSEBOLD	352-315-8527
DUKE ENERGY - DISTRIBUTION	MIKE EDKIN	407-942-9553
DUKE ENERGY - TRANSMISSION	ED BURKOT	407-942-9453
TECO/PEOPLES GAS	BRUCE STOUT	407-420-2678

2. ALL POLES MOUNTED ON BRIDGES OR BARRIER WALLS SHALL HAVE HANDHOLES FACING THE TRAFFIC LANE. HANDHOLES SHALL BE POSITIONED ONE (1.0) FOOT ABOVE THE TOP OF THE BARRIER WALL.
3. VERIFY POLE LENGTHS REQUIRED PER THE ROADWAY CROSS SECTIONS AND OFFSETS IN ORDER TO ACHIEVE THE PROPER MOUNTING HEIGHT FOR EACH LUMINAIRE. THIS VERIFICATION SHALL OCCUR PRIOR TO THE SUBMISSION OF SHOP DRAWINGS. MOUNTING HEIGHTS ARE DETERMINED FROM THE BOTTOM OF THE LUMINAIRE HOUSING VERTICALLY TO PAVEMENT GRADE.
4. REFERENCE THE BRIDGE STRUCTURAL PLANS FOR THE EMBEDDED ELECTRICAL ITEMS: CONDUIT, PULL BOX, JUNCTION BOX AND THEIR LOCATIONS.
5. ALL SPLICES SHALL BE MADE IN PULL BOXES ONLY WITH COMPRESSION SLEEVES OR SPLIT BOLT CONNECTORS, PROPERLY TAPED AND WATERPROOFED.
6. SPLICES AND CONNECTIONS MADE IN PULL BOXES SHALL BE LIMITED TO THE SERVICE POINT AND CONDUIT JUNCTION WITH MULTI-DIRECTIONAL CONDUITS AS INDICATED ON PLANS. THE CONNECTION MADE AT THESE POINTS SHOULD BE PROPERLY TAPED AND HEAT SHRINK TUBES OR CAPS SHALL BE USED TO WATERPROOF THESE CONNECTIONS.
7. CONTRACTOR TO PROVIDE MAINTENANCE LIGHTING FOR BOX GIRDERS PER STANDARD INDEX 21240. COST OF MAINTENANCE LIGHTING SYSTEM TO BE INCLUDED IN THE COST OF THE BRIDGE.

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-5
						46	LAKE		238275-2-52-01

POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
1	A-3	25+28 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
2	A-2	27+72 LT, @ CONST. SR 46	N/A	367	50'	1.0' FROM BOS	715-4-133
3	A-3	30+09 RT, @ CONST. SR 46	N/A	367	50'	1.0' FROM BOS	715-4-133
4	A-2	30+98 LT, @ CONST. SR 46	N/A	367	50'	14.0' FROM EOTL	715-4-133
5	A-3	33+19 RT, @ CONST. SR 46	N/A	367	50'	14.0' FROM EOTL	715-4-133
6	A-2	33+21 LT, @ CONST. SR 46	N/A	367	50'	14.0' FROM EOTL	715-4-133
7	A-5	36+88 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
8	A-6	305+72 RT, @ CONST. RAMP YY	N/A	367	50'	1.0' FROM BOS	715-4-133
9	A-5	39+20 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
10	A-6	303+40 RT, @ CONST. RAMP YY	N/A	367	50'	1.0' FROM BOS	715-4-133
11	A-5	41+87 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
12	A-6	300+39 RT, @ CONST. RAMP YY	N/A	367	50'	1.0' FROM BOS	715-4-133
13	A-5	44+70 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
14	A-6	46+34 LT, @ CONST. SR 46	N/A	367	50'	1.0' FROM BOS	715-4-133
15	A-5	47+51 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
16	A-6	49+17 LT, @ CONST. SR 46	N/A	367	50'	1.0' FROM BOS	715-4-133
17	A-5	50+44 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
18	A-6	52+09 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
19	A-5	53+40 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
20	A-6	54+94 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
21	A-6	56+49 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
22	A-6	58+15 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
23	A-6	60+42 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
24	A-5	61+60 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
25	A-6	62+99 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
26	A-5	64+38 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
27	A-6	65+52 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
28	A-7	67+08 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
29	A-8	68+00 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
30	A-7	69+68 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
31	A-8	70+48 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
32	A-7	72+35 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
33	A-8	72+51 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
34	A-8	74+50 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
35	A-7	74+69 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
36	A-8	76+39 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
37	A-7	77+42 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
38	A-8	78+93 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
39	A-7	80+07 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
40	A-8	81+54 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
41	A-7	82+29 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
42	A-8	83+98 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
43	A-7	84+84 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
44	A-8	86+48 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
45	A-7	87+39 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
46	A-8	89+03 LT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
47	A-7	89+94 RT, @ CONST. SR 46	N/A	367	50'	20.0' FROM EOTL	715-4-133
48	A-8	91+63 LT, @ CONST. SR 46	N/A	367	50'	1.0' FROM BOS	715-4-133

CONVENTIONAL LIGHTING
DESIGN CRITERIA FOR
SIDEWALKS AND ROADWAY

Average Initial Intensity 1:5 Foot Candles
 Uniformity Ratio Avg./Min. 4:1 Or Less
 Max./Min. 10:1 Or Less
 Veiling Luminance 0.3:1 Or Less
 Wind Speed 110 MPH

SIGN LIGHTING
DESIGN CRITERIA

Ambient Luminance Medium & High
 Average Initial Intensity 25 - 35 Foot Candles
 Uniformity Ratio Max./Min. 6:1 Or Less

LEGEND

SYMBOLS

DESCRIPTION

- 367 watt LED luminaire designed for medium type II distribution (B4-U3-G5) wired for 480 volt operation. Pole top mounted luminaire with mounting height of 50 ft. Use Holophane test number LTL24772P1, or approved equal. Symbol includes pole, fixture, concrete slab or pedestal, pull box, foundation and PCDS. Pull box and PCDS paid for separately.
- 104 watt LED luminaire, wall/peir mount designed for short type IV distribution (B1-U0-G2) wired for 480 volt operation. Use GE test # 456854, or approved equal. Symbol includes luminaire, pull box, RGS conduit and all required mounting hardware. RGS conduit and pull box paid for separately.
- 66 watt LED luminaire designed for medium type III distribution (B2-U3-G3) wired for 480 volt operation. Pole top mounted luminaire with mounting height of 13 ft. Use Sternberg Lighting test number S1770, or approved equal. Symbol includes pole, fixture, concrete slab, pull box, foundation and PCDS. Pull box and PCDS paid for separately.
- Existing pole and luminaire to be removed, by others.
- Existing pole and luminaire to remain.
- Lighting pull box.
- Embedded lighting pull box. Paid for with the traffic railing.
- Open trench conduit with conductors inside (conductor size as shown on the plan sheets). Run one (1) no. 6 AWG (min.) copper bond conductor (green insulation) inside conduit with other conductors.
- Directional bore conduit with conductors inside (conductor size as shown on the plan sheets). Run one (1) no. 6 AWG (min.) copper bond conductor (green insulation) inside conduit with other conductors.
- Embedded conduit in barrier wall with conductors inside (conductor size as shown on the plan sheets). Run one (1) no. 6 AWG (min.) copper bond conductor (green insulation) inside conduit with other conductors. Cost to be included with barrier wall.
- 1" rigid galvanized steel (RGS) conduit mounted on bridge pier or wall with THWN-2 conductors inside (conductor size as shown on the plan sheets). Run one (1) no. 6 AWG (min.) copper bond conductor (green insulation) inside conduit with other conductors.

EOTL: Edge of Travel Lane

BOS: Back of Sidewalk

SIGN LIGHTING

GUIDE SIGN	CIRCUIT	STATION	ARM LENGTH	LUMINAIRE WATTAGE	TILT
OHC-2	A-6	43+60 LT, @ CONST. SR 46	5'	(1) 150	N/A

OVERHEAD SIGN LIGHTING SHALL BE EQUIVALENT TO 150 WATT HPS HOLOPHANE LIGHTING (MODEL SIGN VUE II ROADWAY), CURVE NUMBER 40901.

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. L-6
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					46	LAKE	238275-2-52-01	

POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
49	A-7	92+34 RT, @ CONST. SR 46	N/A	367	50'	1.0' FROM BOS	715-4-133
50	A-8	94+00 LT, @ CONST. SR 46	N/A	367	50'	1.0' FROM BOS	715-4-133
51	A-7	94+75 RT, @ CONST. SR 46	N/A	367	50'	4.0' FROM BOS	715-4-133
52	A-3	426+44 LT, @ CONST. SR 500	N/A	367	50'	29.0' FROM EOTL	715-4-133
53	A-3	426+47 RT, @ CONST. SR 500	N/A	367	50'	31.0' FROM EOTL	715-4-133
54	A-3	428+49 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
55	A-3	428+49 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
56	A-3	430+59 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
57	A-3	430+66 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
58	A-3	432+69 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
59	A-3	432+69 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
60	A-3	434+74 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
61	A-3	434+79 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
62	A-3	436+79 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
63	A-3	436+94 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
64	A-3	438+79 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
65	A-3	439+33 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
66	A-3	440+74 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
67	A-3	441+25 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
68	A-3	442+73 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
69	A-4	444+55 RT, @ CONST. SR 500	N/A	367	50'	20.0' FROM EOTL	715-4-133
70	A-4	307+19 RT, @ CONST. RAMP YY	N/A	367	50'	14.0' FROM EOTL	715-4-133
71	A-2	445+28 LT, @ CONST. SR 500	N/A	367	50'	14.0' FROM EOTL	715-4-133
72	A-4	308+92 RT, @ CONST. RAMP YY	N/A	367	50'	14.0' FROM EOTL	715-4-133
73	A-2	447+53 LT, @ CONST. SR 500	N/A	367	50'	14.0' FROM EOTL	715-4-133
74	A-4	311+08 RT, @ CONST. RAMP YY	N/A	367	50'	23.0' FROM EOTL	715-4-133
75	A-2	449+78 LT, @ CONST. SR 500	N/A	367	50'	20.0' FROM EOTL	715-4-133
76	A-4	450+87 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
77	A-2	452+03 LT, @ CONST. SR 500	N/A	367	50'	20.0' FROM EOTL	715-4-133
78	A-4	453+19 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
79	A-2	454+36 LT, @ CONST. SR 500	N/A	367	50'	20.0' FROM EOTL	715-4-133
80	A-4	455+47 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
81	A-4	457+09 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
82	A-4	459+11 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
83	A-4	460+82 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
84	A-2	462+74 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
85	A-4	462+79 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
86	A-2	464+65 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
87	A-4	464+97 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
88	A-4	466+57 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
89	A-2	466+80 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
90	A-2	468+60 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
91	A-4	468+67 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
92	A-2	470+50 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
93	A-4	470+62 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
94	A-4	472+32 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
95	A-2	472+40 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
96	A-2	474+17 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
97	A-4	474+22 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
98	A-2	476+16 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
99	A-4	476+52 RT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
100	A-2	478+15 LT, @ CONST. SR 500	N/A	367	50'	1.0' FROM BOS	715-4-133
101	A-2	199+19 RT, @ CONST. RAMP XX	N/A	367	50'	14.0' FROM EOTL	715-4-133
102	A-2	200+89 RT, @ CONST. RAMP XX	N/A	367	50'	14.0' FROM EOTL	715-4-133
103	A-2	202+49 RT, @ CONST. RAMP XX	N/A	367	50'	14.0' FROM EOTL	715-4-133
104	A-2	203+99 RT, @ CONST. RAMP XX	N/A	367	50'	14.0' FROM EOTL	715-4-133
105	A-1	205+93 RT, @ CONST. RAMP XX	N/A	367	50'	18.0' FROM EOTL	715-4-133
106	A-1	207+95 RT, @ CONST. RAMP XX	N/A	367	50'	20.0' FROM EOTL	715-4-133
107	A-1	210+22 RT, @ CONST. RAMP XX	N/A	367	50'	20.0' FROM EOTL	715-4-133
108	A-1	212+47 RT, @ CONST. RAMP XX	N/A	367	50'	BARRIER WALL MOUNT	715-4-133
109	A-1	214+33 RT, @ CONST. RAMP XX	N/A	367	50'	BARRIER WALL MOUNT	715-4-133
110	A-1	216+04 RT, @ CONST. RAMP XX	N/A	367	50'	BRIDGE MOUNT	715-4-133
111	A-1	218+19 RT, @ CONST. RAMP XX	N/A	367	50'	BRIDGE MOUNT	715-4-133
112	A-1	219+90 RT, @ CONST. RAMP XX	N/A	367	50'	BARRIER WALL MOUNT	715-4-133
113	A-1	222+08 RT, @ CONST. RAMP XX	N/A	367	50'	BARRIER WALL MOUNT	715-4-133
114	A-1	224+49 RT, @ CONST. RAMP XX	N/A	367	50'	BARRIER WALL MOUNT	715-4-133
115	A-1	226+78 RT, @ CONST. RAMP XX	N/A	367	50'	BARRIER WALL MOUNT	715-4-133
116	A-1	228+69 RT, @ CONST. RAMP XX	N/A	367	50'	BARRIER WALL MOUNT	715-4-133
117	A-1	230+97 RT, @ CONST. RAMP XX	N/A	367	50'	BARRIER WALL MOUNT	715-4-133
118	A-1	233+33 RT, @ CONST. RAMP XX	N/A	367	50'	BARRIER WALL MOUNT	715-4-133
119	A-1	235+75 RT, @ CONST. RAMP XX	N/A	367	50'	BARRIER WALL MOUNT	715-4-133
120	A-5	238+14 RT, @ CONST. RAMP XX	N/A	367	50'	1.0' FROM BOS	715-4-133
121	A-5	239+69 RT, @ CONST. RAMP XX	N/A	367	50'	1.0' FROM BOS	715-4-133
122	A-5	241+91 RT, @ CONST. RAMP XX	N/A	367	50'	1.0' FROM BOS	715-4-133
U.D. 1	A-4	214+82 LT, @ CONST. RAMP XX	N/A	104	16.5'	WALL MOUNT, CENTERED	715-11-125
U.D. 2	A-4	215+93 LT, @ CONST. RAMP XX	N/A	104	16.5'	PEIR MOUNT, CENTERED	715-11-125
U.D. 3	A-4	215+99 LT, @ CONST. RAMP XX	N/A	104	16.5'	PEIR MOUNT, CENTERED	715-11-125
U.D. 4	A-5	218+24 LT, @ CONST. RAMP XX	N/A	104	16.5'	PEIR MOUNT, CENTERED	715-11-125
U.D. 5	A-5	229+98 LT, @ CONST. RAMP XX	N/A	104	16.5'	WALL MOUNT, CENTERED	715-11-125
PED 1	A-4	307+31 RT, @ CONST. RAMP YY	N/A	66	13.0'	5.0' FROM BOS	715-516-115
PED 2	A-4	308+80 RT, @ CONST. RAMP YY	N/A	66	13.0'	5.0' FROM BOS	715-516-115
PED 3	A-4	309+69 RT, @ CONST. RAMP YY	N/A	66	13.0'	5.0' FROM BOS	715-516-115
PED 4	A-4	310+62 RT, @ CONST. RAMP YY	N/A	66	13.0'	5.0' FROM BOS	715-516-115

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION					PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			POLE DATA AND LEGEND		SHEET NO. L-7
REVISIONS																				
DATE	DESCRIPTION																			
ROAD NO.		COUNTY	FINANCIAL PROJECT ID		46	LAKE	238275-2-52-01													

MATCHLINE STA. 452+60.00
SEE PROJECT LAYOUT (3)

STA. 313+00.00
CONST. RAMP YY
STA. 450+42.80
CONST. SR 500

STA. 10+00.00
CONST. VERANDA WAY=
STA. 47+18.86
CONST. SR 46

MATCHLINE STA. 59+00.00
SEE PROJECT LAYOUT (2)

STA. 10+00.00
CONST. PINECREST RD.=
STA. 28+25.13
CONST. SR 46

CONST. GROVELAND RD.=
STA. 25+07.21
CONST. SR 46

CONST. STANLEY BELL DR.=
STA. 10+00.00
CONST. STANLEY BELL DR.=
STA. 31+44.56
CONST. SR 46

BEGIN PROJECT
STA. 24+70
CONST. SR 46

CONST. SR 46

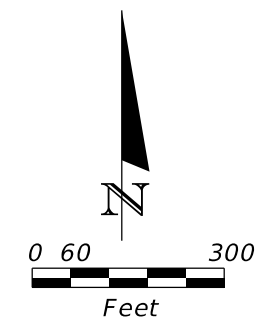
BEGIN LIGHTING
STA. 25+28.19
CONST. SR 46
STA. 11+00.00
CONST. CURRIN BLVD.=
STA. 27+57.80
CONST. SR 46

STA. 35+74.01, 0.00' (LT) AH.
SURVEY SR 46 =
STA. 29+99.97, 1.08' (LT) BK.
SURVEY SR 46

STA. 443+75.31
CONST. SR 500=
STA. 35+55.28
CONST. SR 46

STA. 300+00.00
CONST. RAMP YY
STA. 43+59.53
CONST. SR 46

STA. 10+00.00
CONST. POND ROAD=
STA. 47+28.23
CONST. SR 46



STA. 14+54.89, 0.00' (RT)
SURVEY SR 46=
STA. 20+09.98, 0.40' (RT)
CONST. SR 46

MATCHLINE STA. 427+80.00

CONST. SR 500

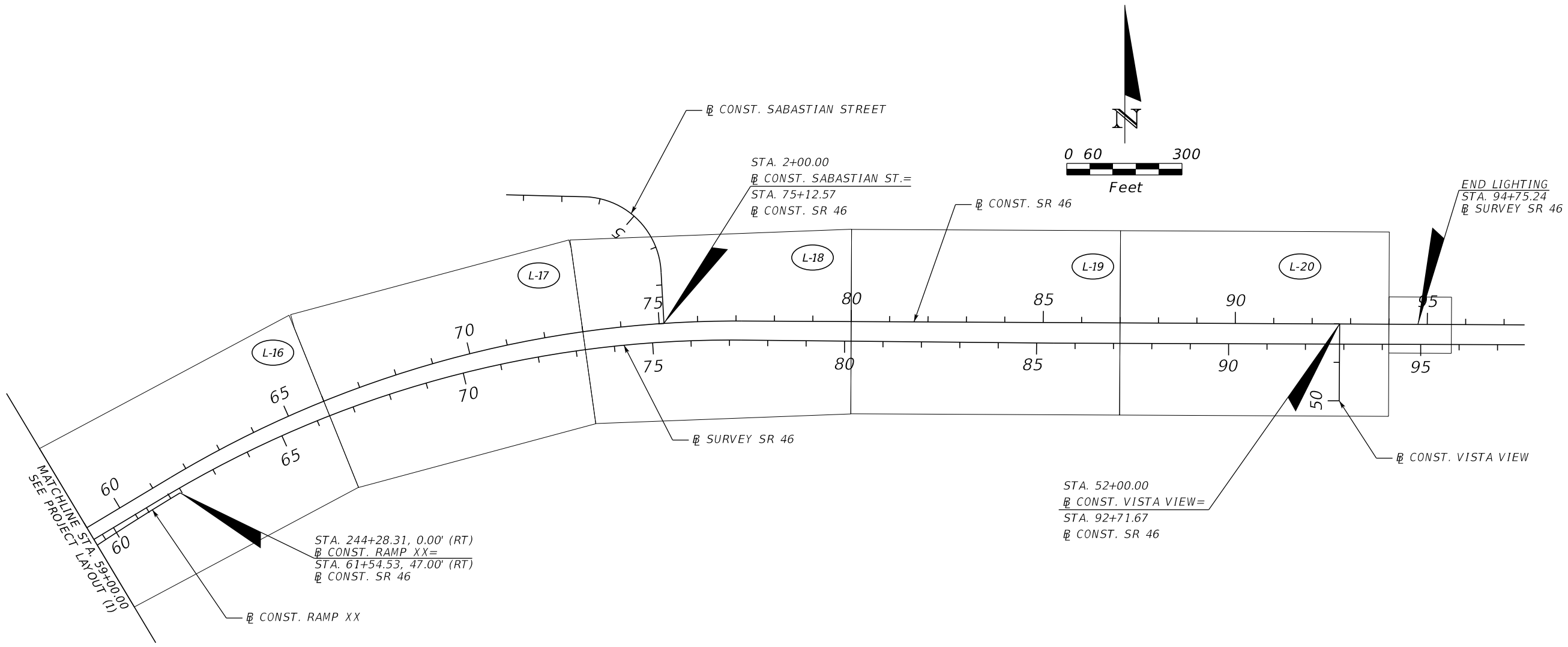
BEGIN LIGHTING
STA. 426+44.00
CONST. SR 500

MATCHLINE STA. 427+80.00

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. L-8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					46	LAKE	238275-2-52-01	

PROJECT LAYOUT (1)

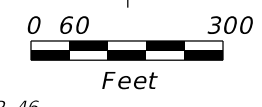
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



MATCHLINE STA. 59+00.00
SEE PROJECT LAYOUT (1)

STA. 244+28.31, 0.00' (RT)
CONST. RAMP XX=
STA. 61+54.53, 47.00' (RT)
CONST. SR 46

STA. 2+00.00
CONST. SABASTIAN ST.=
STA. 75+12.57
CONST. SR 46

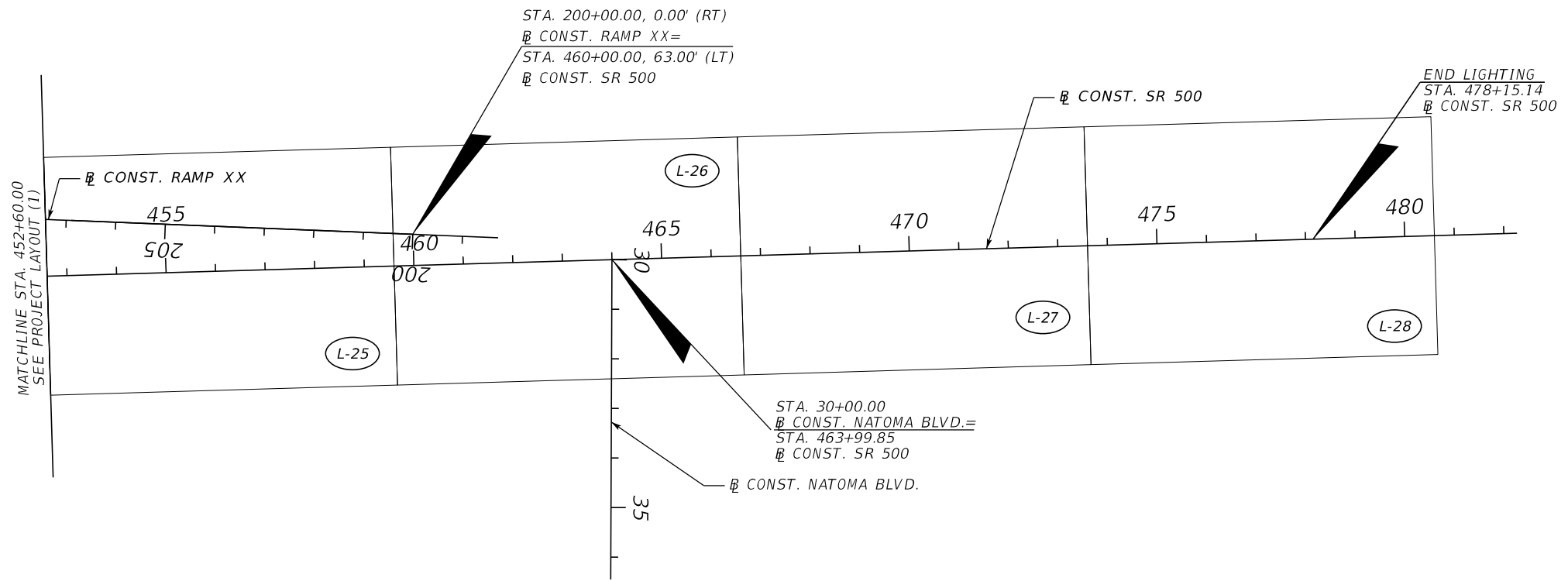
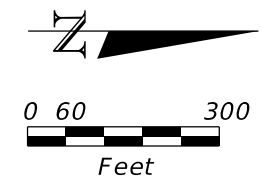


END LIGHTING
STA. 94+75.24
SURVEY SR 46

STA. 52+00.00
CONST. VISTA VIEW=
STA. 92+71.67
CONST. SR 46

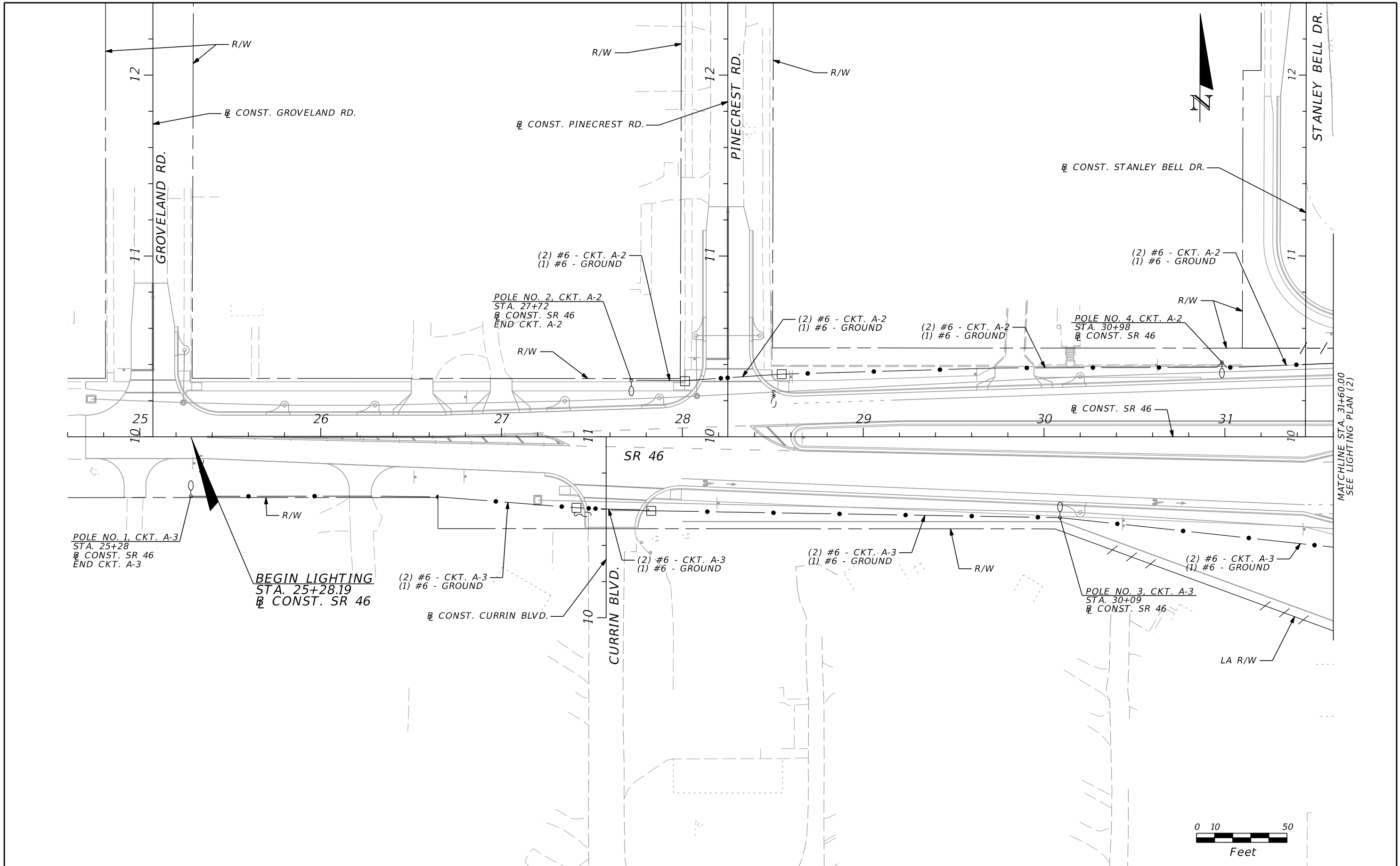
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-9
					46	LAKE	238275-2-52-01		

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REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-10
					46	LAKE	238275-2-52-01		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



MATCHLINE STA. 31+60.00
SEE LIGHTING PLAN (2)

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		L-11

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

NOTES:

- CITY OF MOUNT DORA WILL INSTALL CONDUIT & CONDUCTORS FROM SERVICE POLE INTO PULL BOX AND MAKE FINAL CONNECTIONS. PULL BOX TO BE INSTALLED BY LIGHTING CONTRACTOR.
- U.D. 1, U.D. 2 & U.D. 3 RISER SHALL BE: (2) #6 - CKT. A-4 & (1) #6 - GROUND
- U.D. 4 RISER SHALL BE: (2) #6 - CKT. A-5 & (1) #6 - GROUND

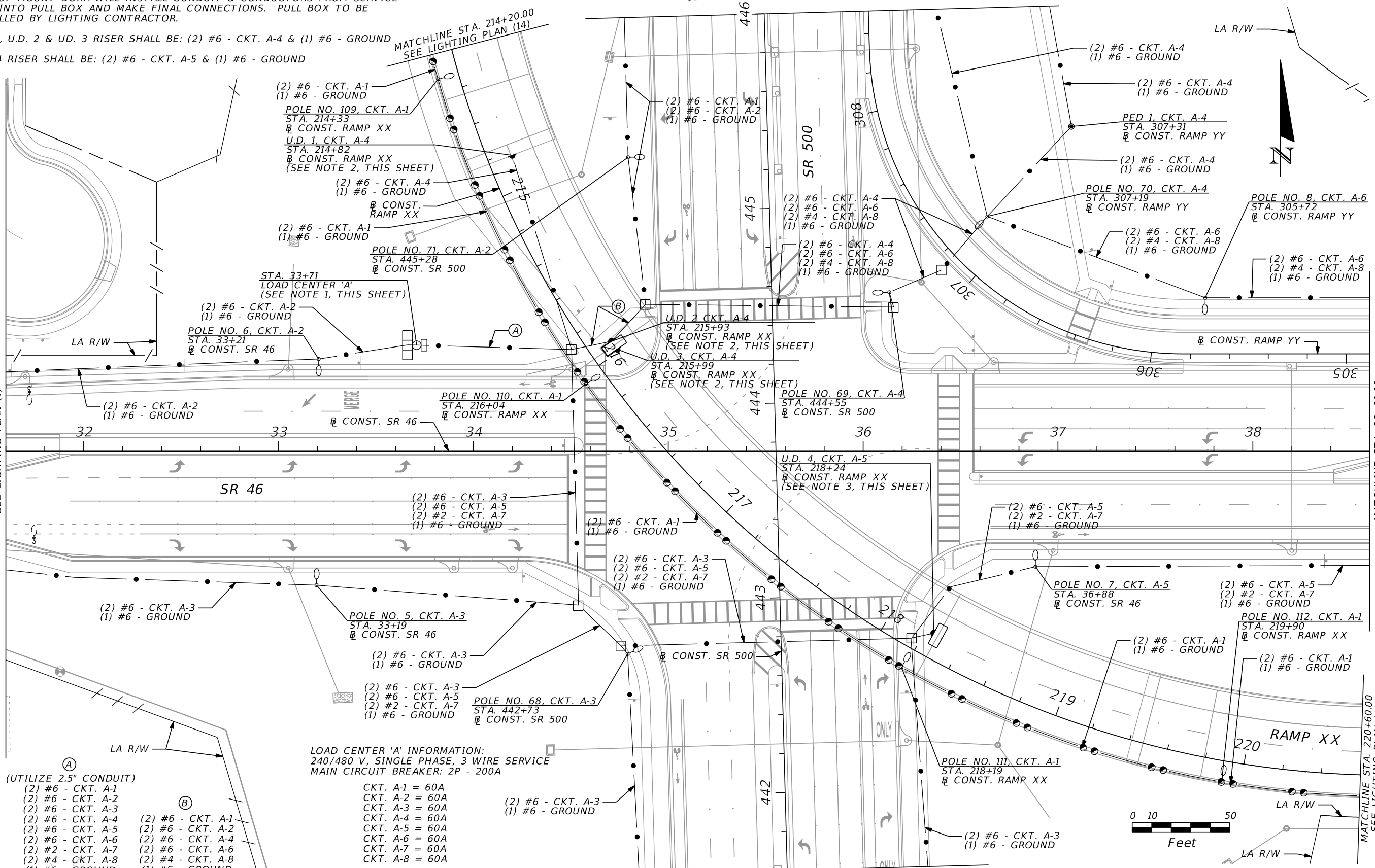
MATCHLINE STA. 446+00.00
SEE LIGHTING PLAN (14)

MATCHLINE STA. 214+20.00
SEE LIGHTING PLAN (14)

MATCHLINE STA. 314+60.00
SEE LIGHTING PLAN (1)

MATCHLINE STA. 38+60.00
SEE LIGHTING PLAN (3)

MATCHLINE STA. 220+60.00
SEE LIGHTING PLAN (3)



- (UTILIZE 2.5" CONDUIT)
- (2) #6 - CKT. A-1
 - (2) #6 - CKT. A-2
 - (2) #6 - CKT. A-3
 - (2) #6 - CKT. A-4
 - (2) #6 - CKT. A-5
 - (2) #6 - CKT. A-6
 - (2) #2 - CKT. A-7
 - (2) #4 - CKT. A-8
 - (1) #6 - GROUND
- (A)
- (2) #6 - CKT. A-1
 - (2) #6 - CKT. A-2
 - (2) #6 - CKT. A-3
 - (2) #6 - CKT. A-4
 - (2) #6 - CKT. A-5
 - (2) #6 - CKT. A-6
 - (2) #4 - CKT. A-8
 - (1) #6 - GROUND
- (B)

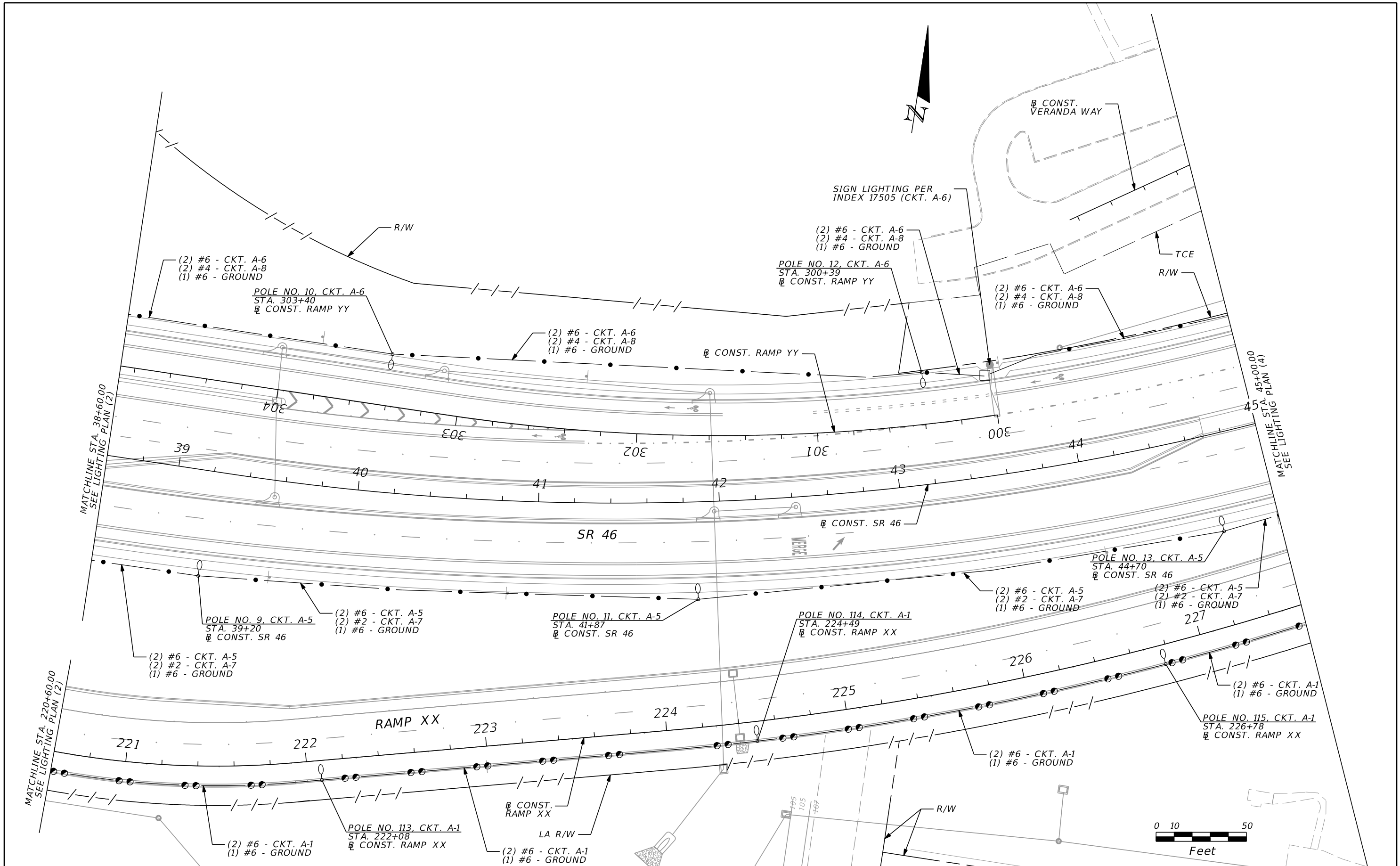
LOAD CENTER 'A' INFORMATION:
240/480 V, SINGLE PHASE, 3 WIRE SERVICE
MAIN CIRCUIT BREAKER: 2P - 200A

- CKT. A-1 = 60A
- CKT. A-2 = 60A
- CKT. A-3 = 60A
- CKT. A-4 = 60A
- CKT. A-5 = 60A
- CKT. A-6 = 60A
- CKT. A-7 = 60A
- CKT. A-8 = 60A

- (2) #6 - CKT. A-3
- (1) #6 - GROUND

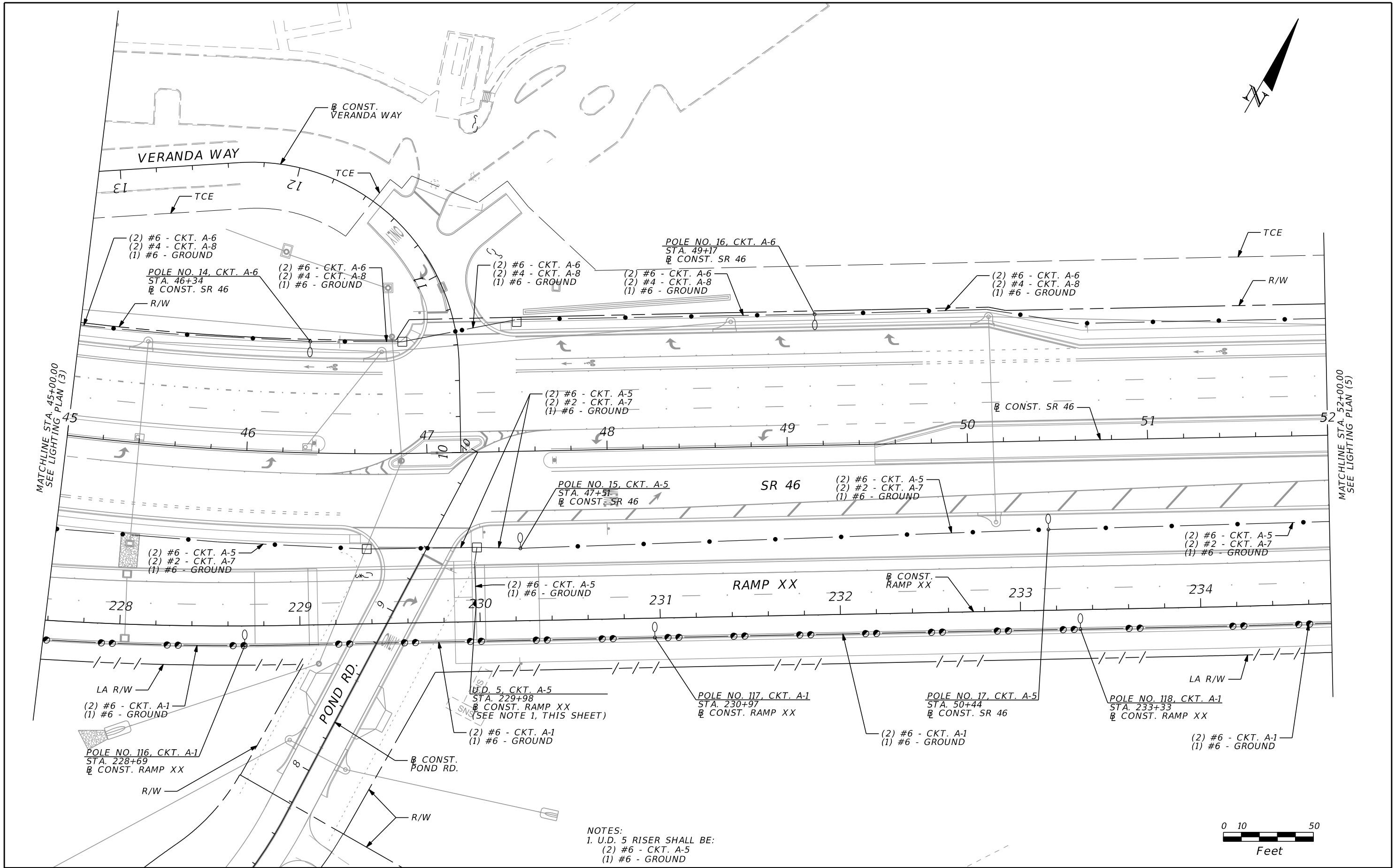
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. L-12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				46	LAKE	238275-2-52-01		

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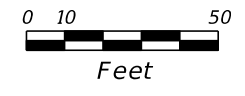


REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (3)	SHEET NO. L-13
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-2-52-01			

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NOTES:
 1. U.D. 5 RISER SHALL BE:
 (2) #6 - CKT. A-5
 (1) #6 - GROUND



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

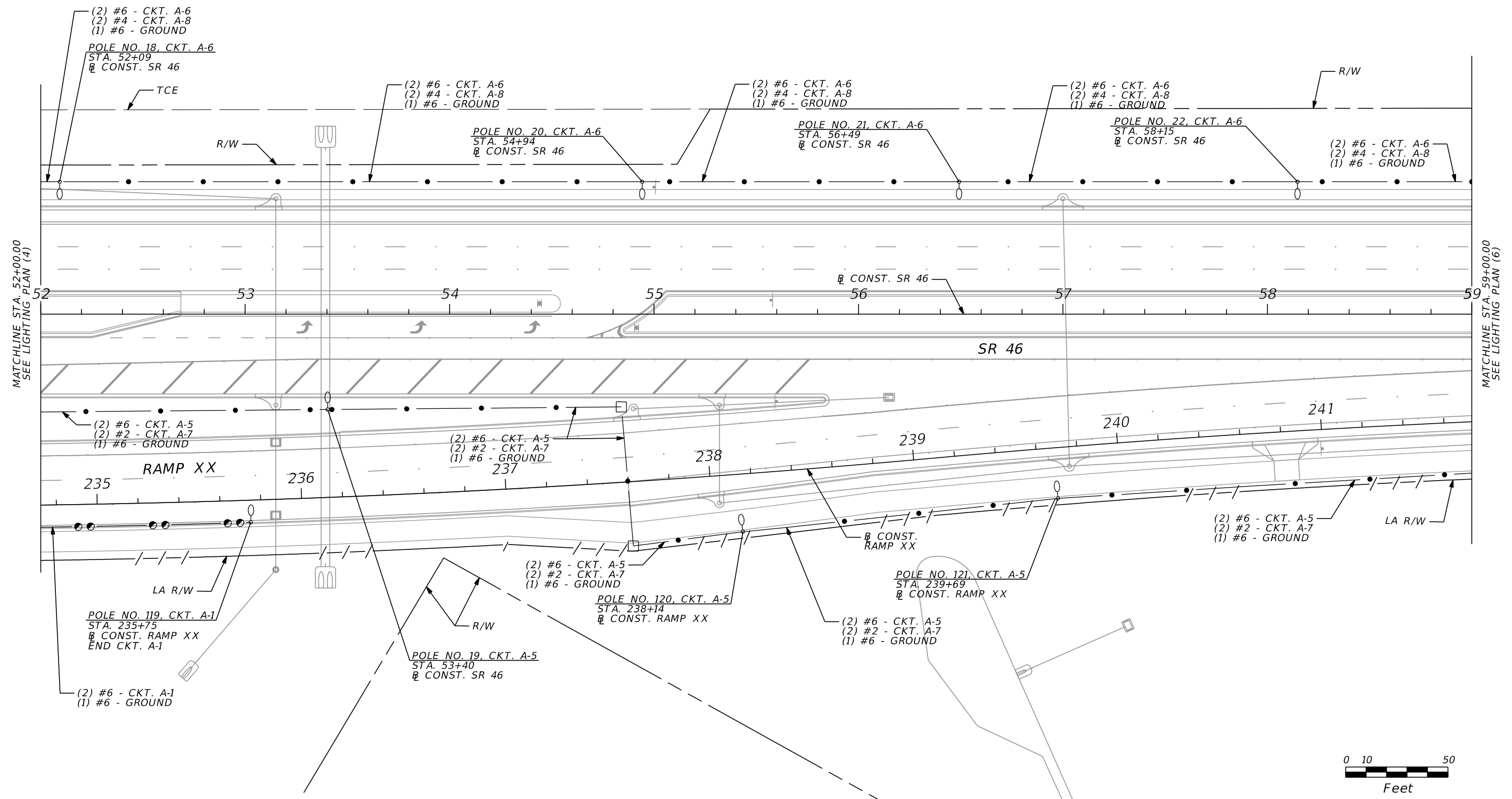
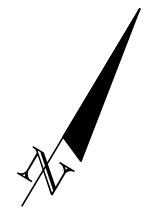
PROTEAN DESIGN GROUP
 SCOTT G. HORLANDER, P.E. NO. 46624
 100 EAST PINE STREET, SUITE 600
 ORLANDO FLORIDA 32801
 PHONE (407) 246-0044
 CERTIFICATE OF AUTHORIZATION NUMBER 7865

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
46	LAKE	238275-2-52-01

LIGHTING PLAN (4)

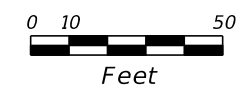
SHEET NO.
L-14

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



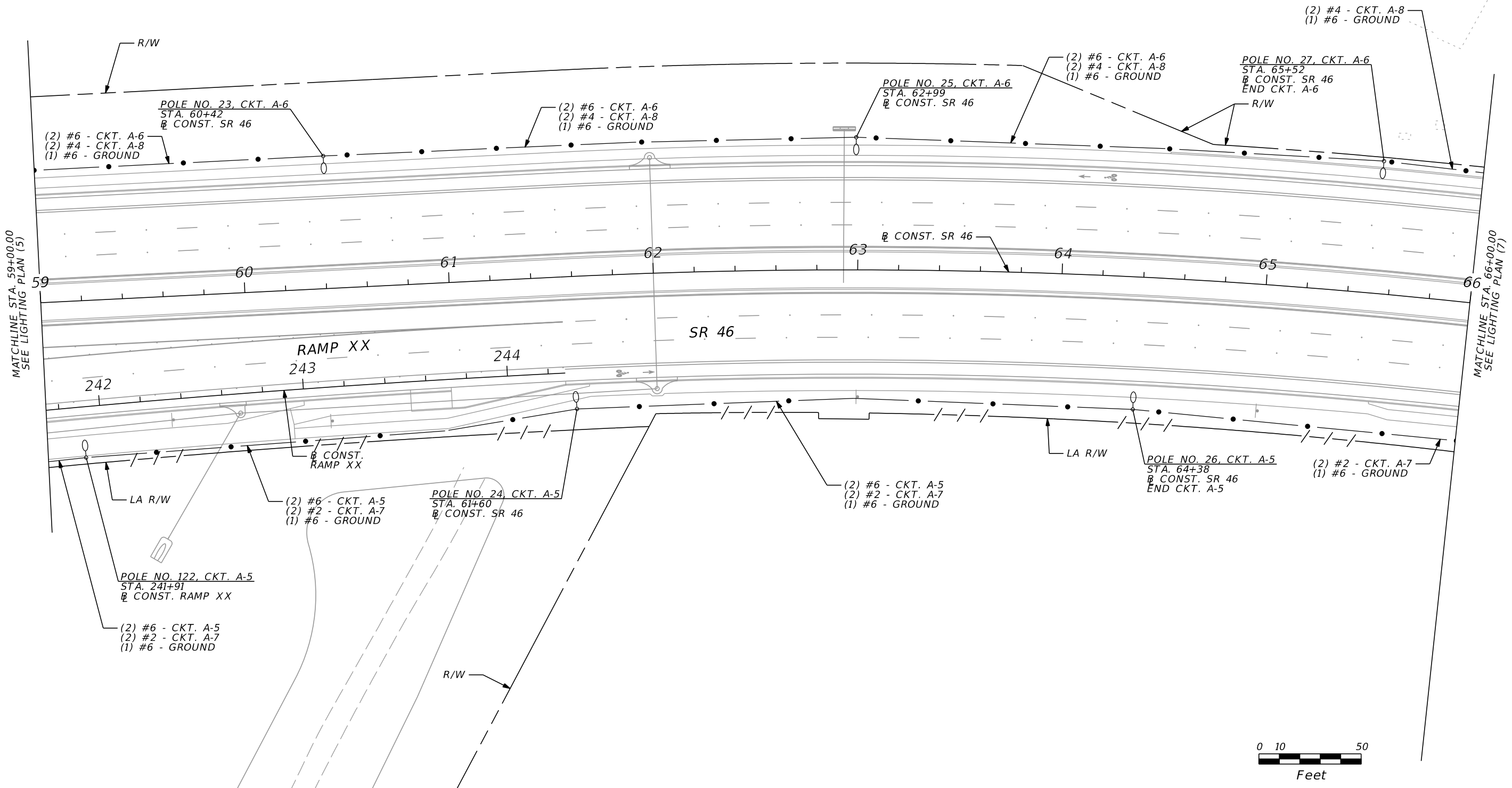
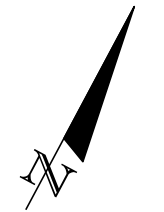
MATCHLINE STA. 52+00.00
SEE LIGHTING PLAN (4)

MATCHLINE STA. 59+00.00
SEE LIGHTING PLAN (6)



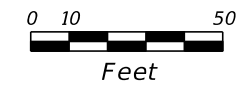
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (5)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-15
					46	LAKE	238275-2-52-01		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



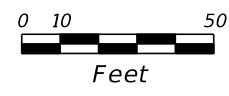
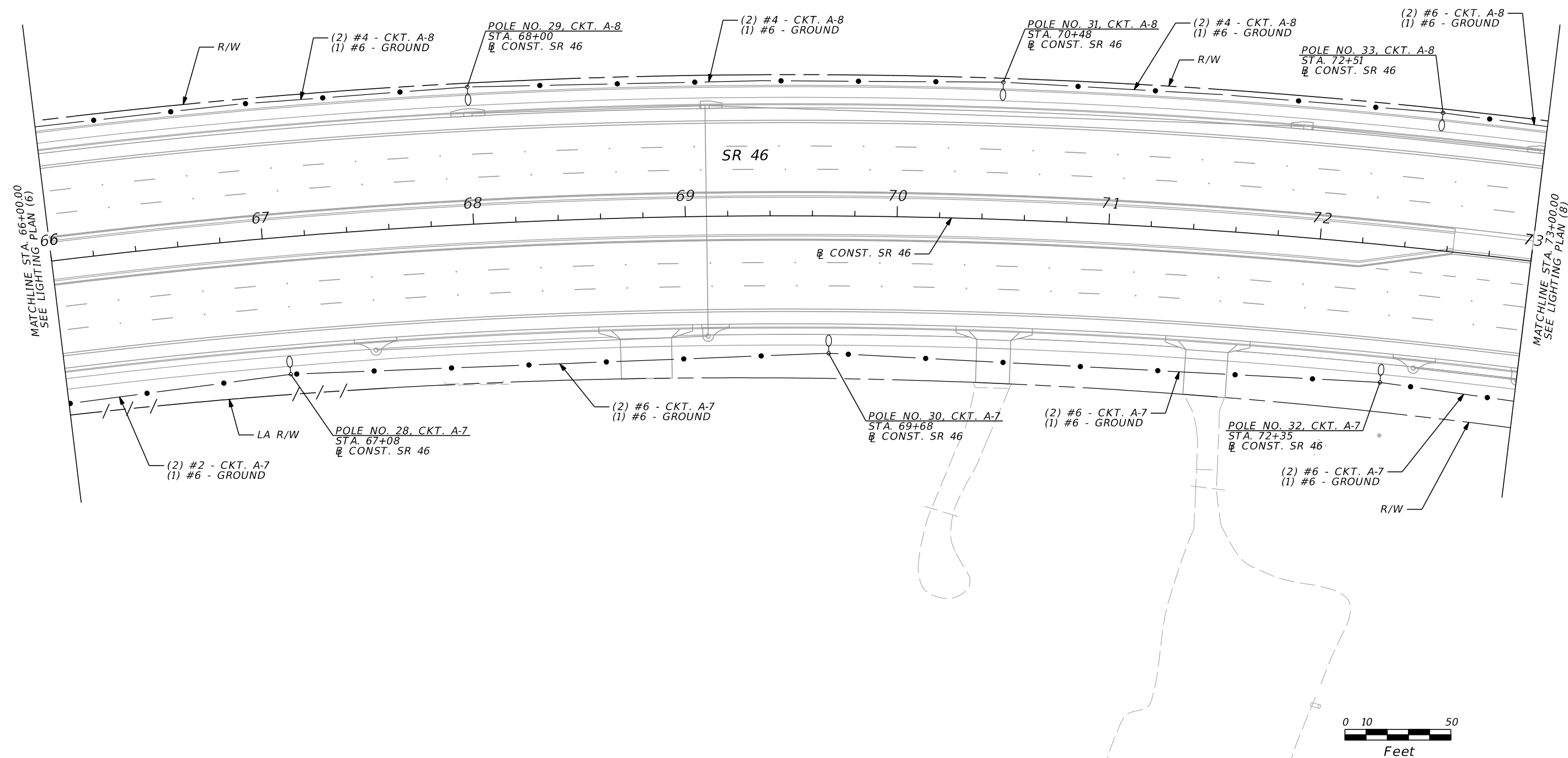
MATCHLINE STA. 59+00.00
SEE LIGHTING PLAN (5)

MATCHLINE STA. 66+00.00
SEE LIGHTING PLAN (7)



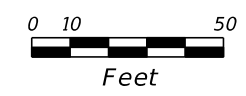
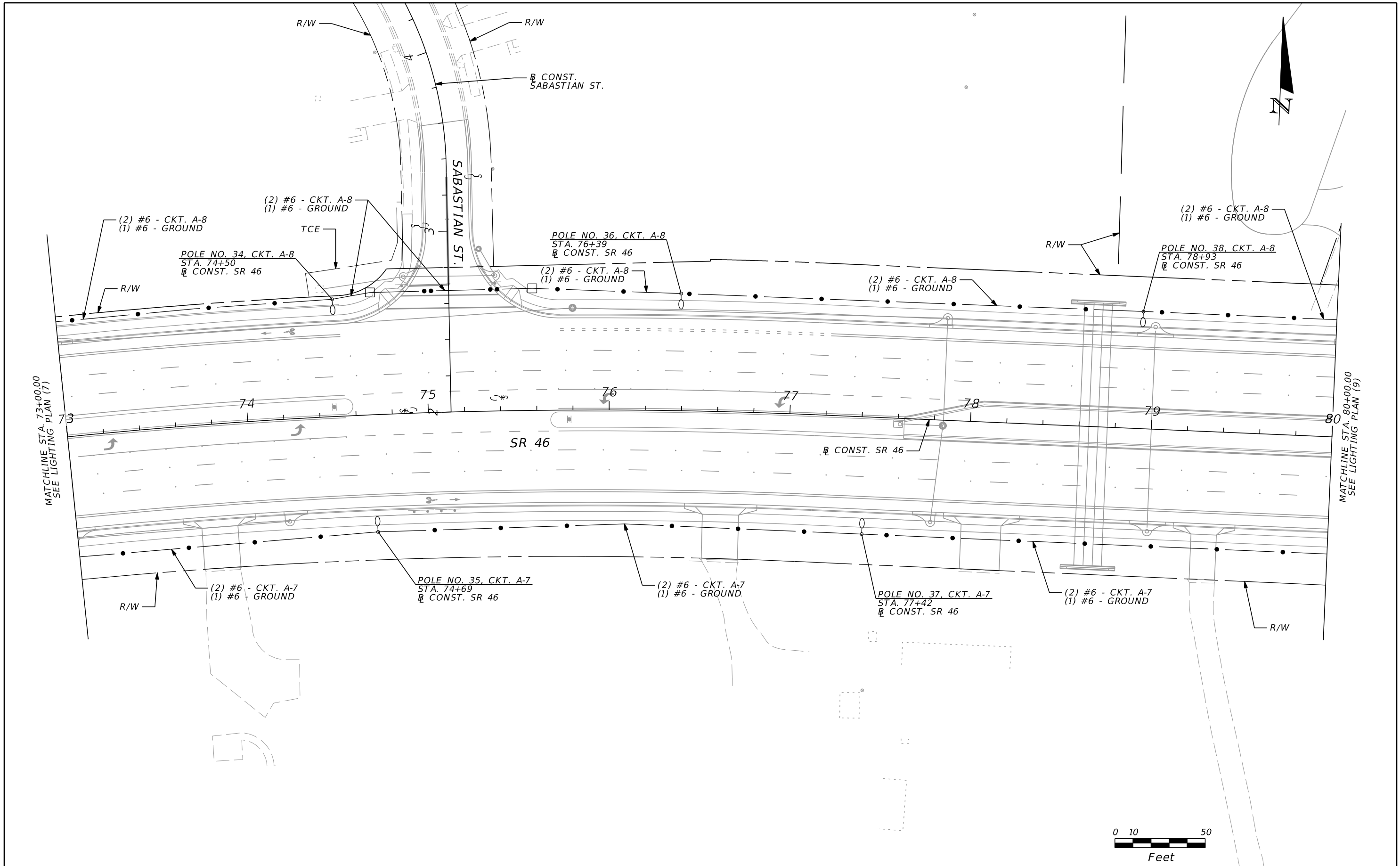
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (6)	SHEET NO. L-16
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-2-52-01			

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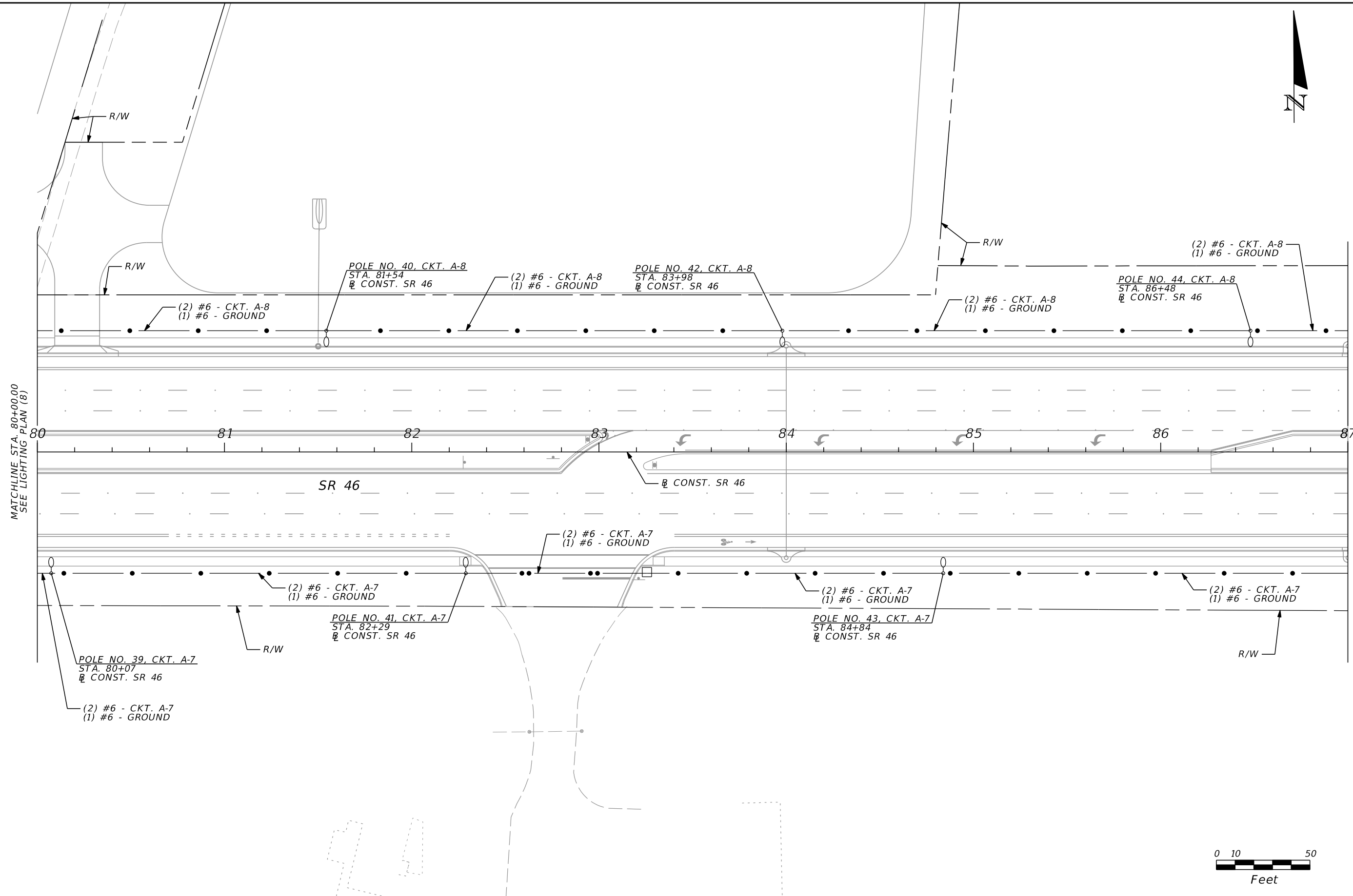
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (7)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-17
					46	LAKE	238275-2-52-01		



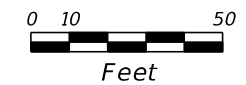
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. L-18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					46	LAKE	238275-2-52-01	

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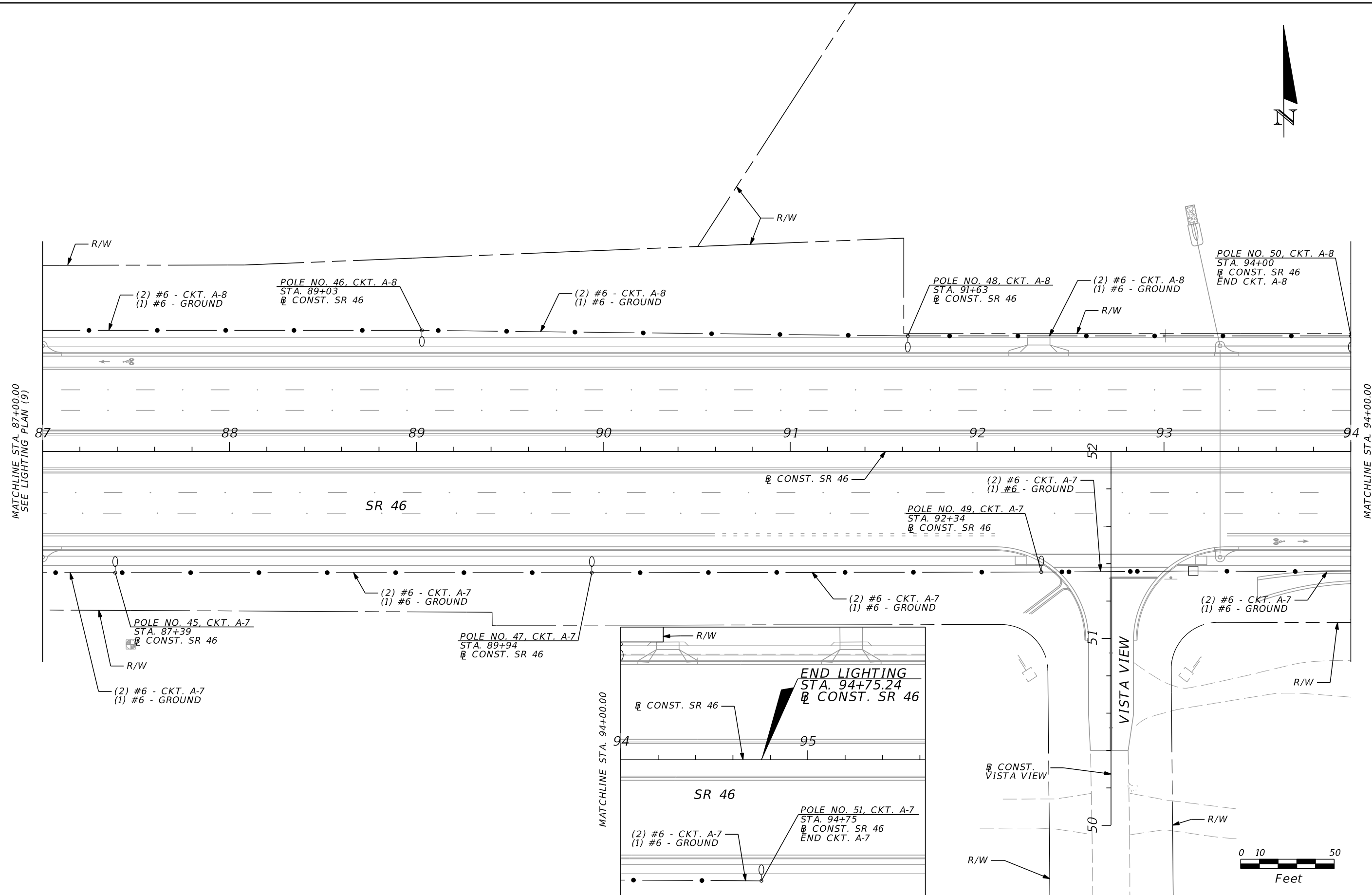
MATCHLINE STA. 80+00.00
SEE LIGHTING PLAN (8)

MATCHLINE STA. 87+00.00
SEE LIGHTING PLAN (10)



REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (9)	SHEET NO. L-19
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		

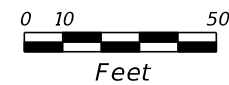
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



MATCHLINE STA. 87+00.00
SEE LIGHTING PLAN (9)

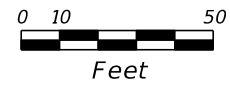
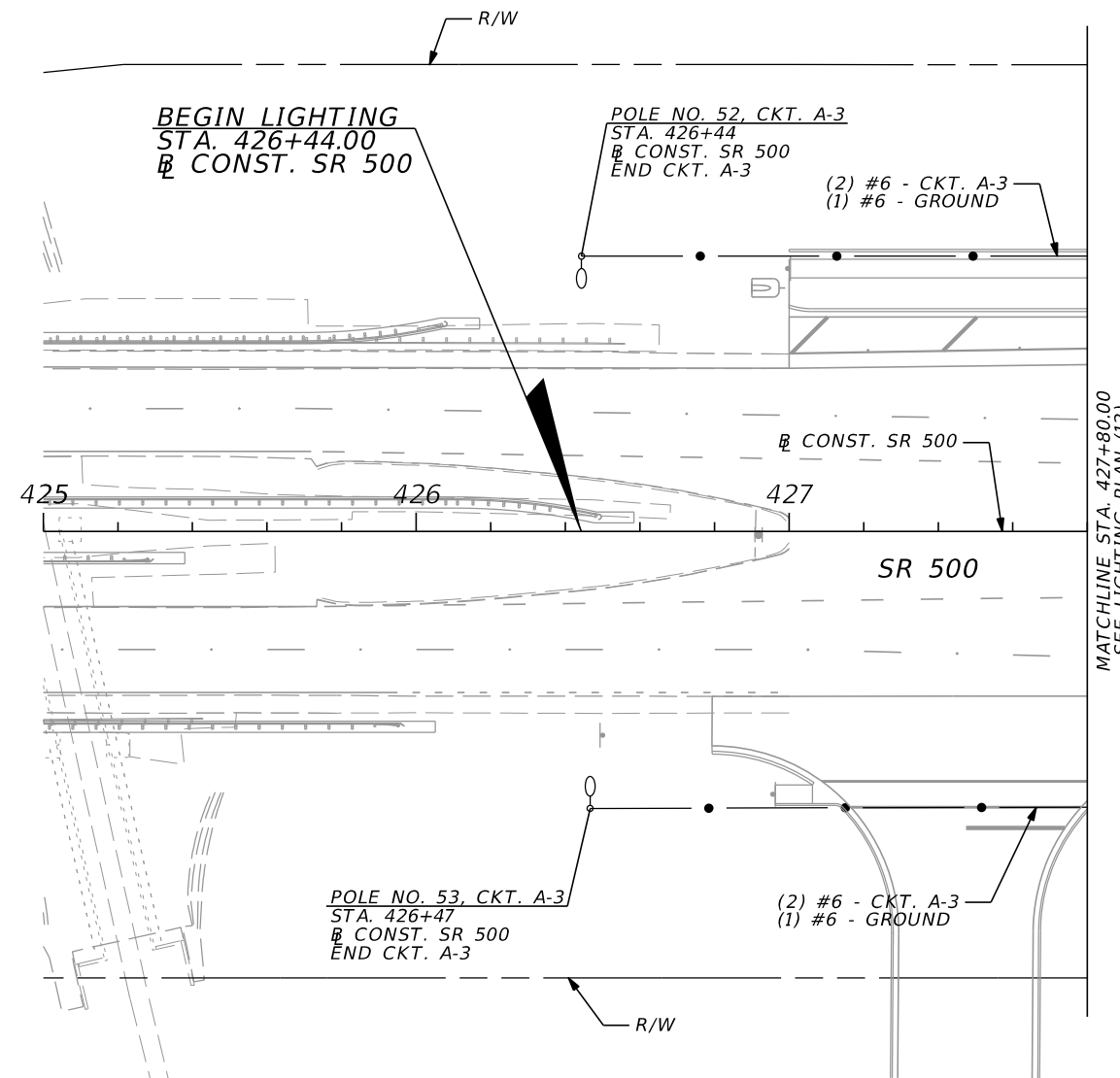
MATCHLINE STA. 94+00.00

MATCHLINE STA. 94+00.00



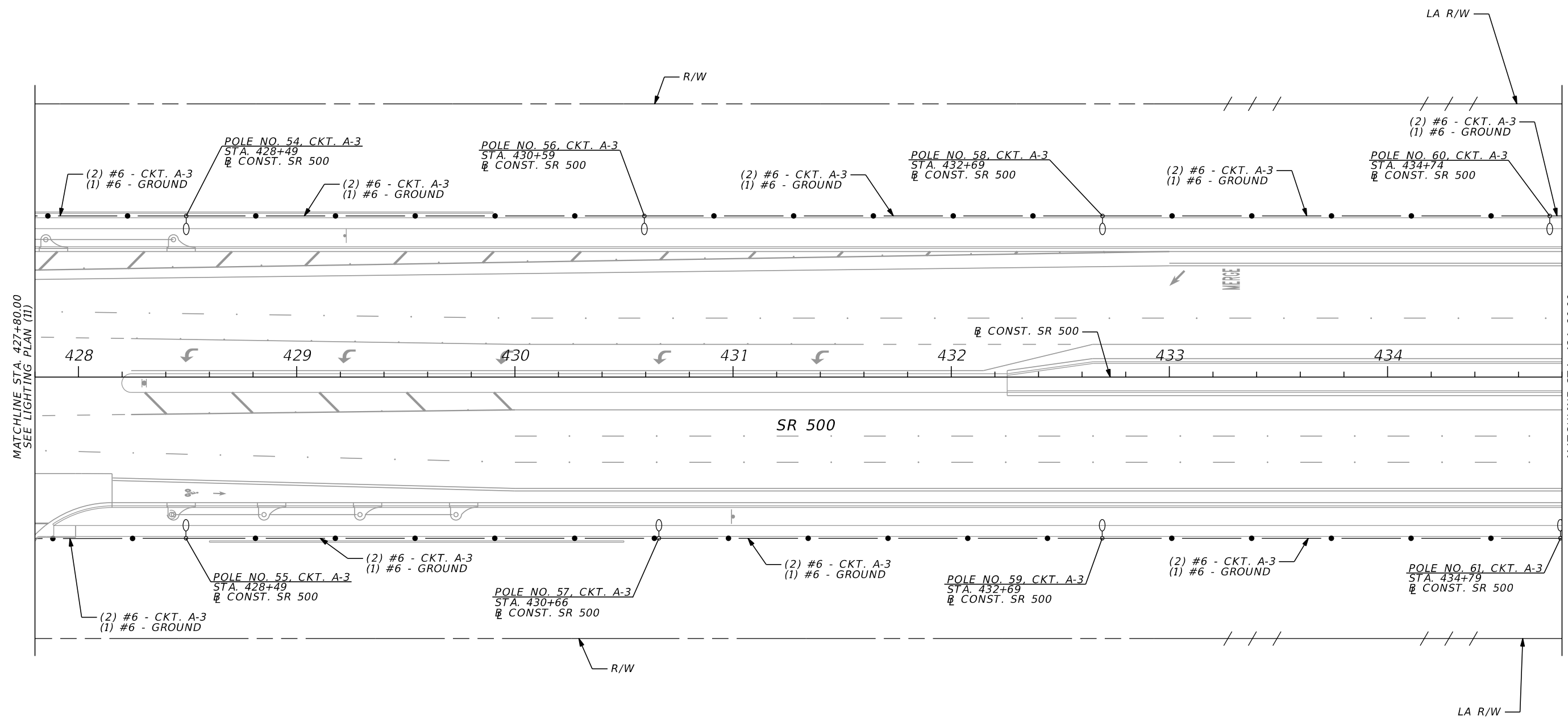
REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (10)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		L-20

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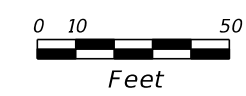
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (11)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-21
					46	LAKE	238275-2-52-01		



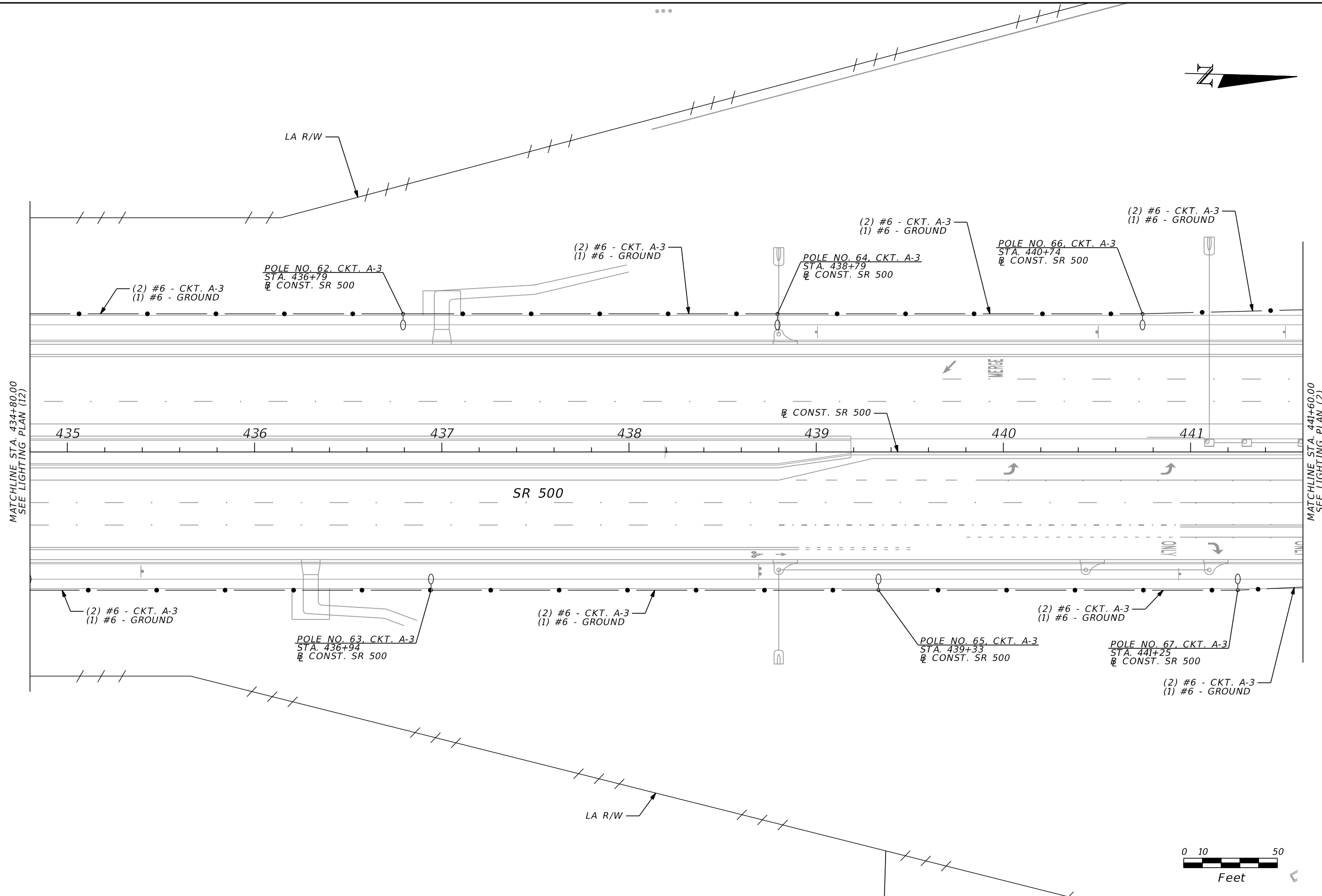
MATCHLINE STA. 427+80.00
SEE LIGHTING PLAN (11)

MATCHLINE STA. 434+80.00
SEE LIGHTING PLAN (13)



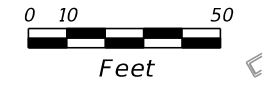
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (12)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						46	LAKE		238275-2-52-01



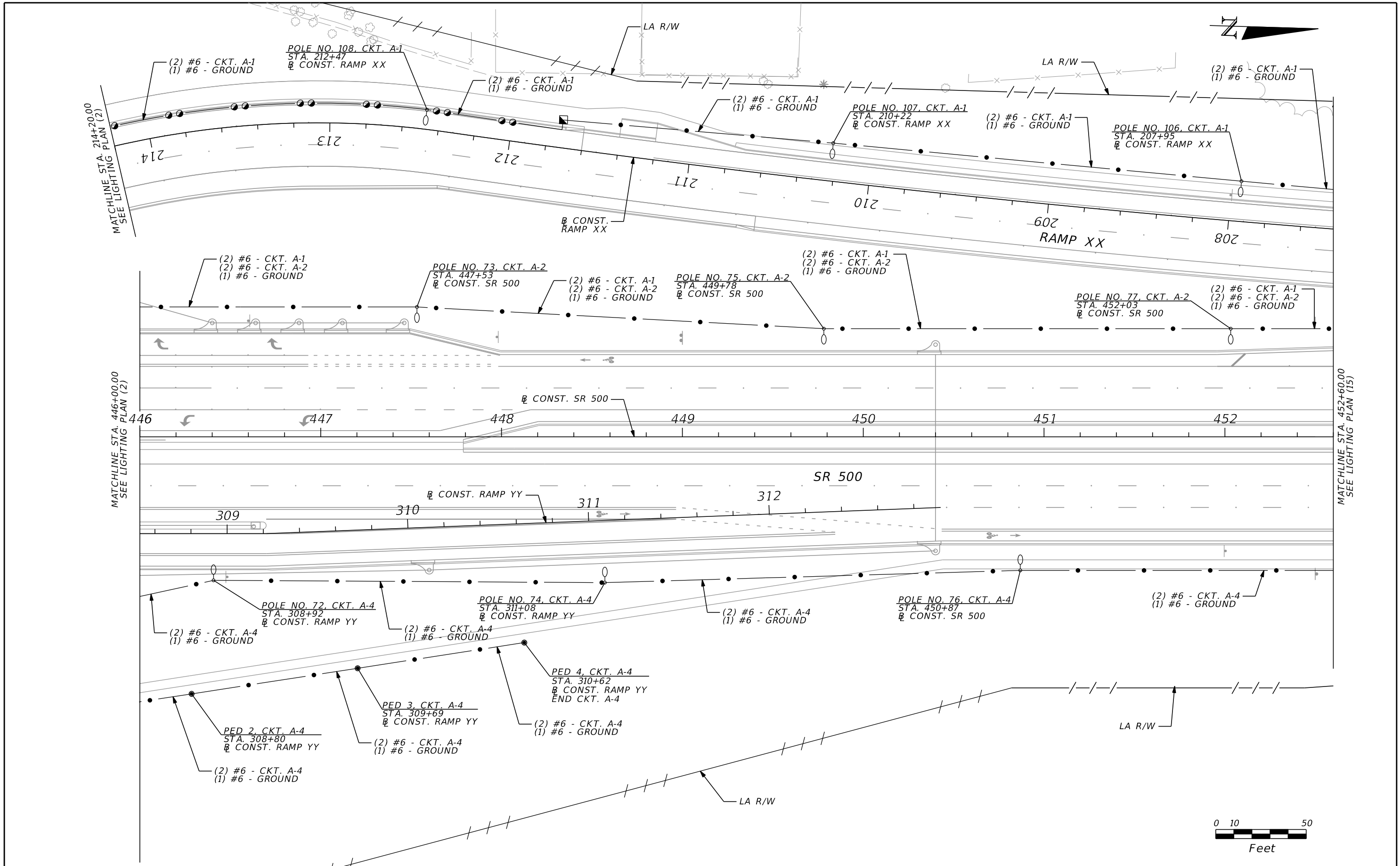
MATCHLINE STA. 434+80.00
SEE LIGHTING PLAN (12)

MATCHLINE STA. 441+60.00
SEE LIGHTING PLAN (2)



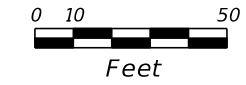
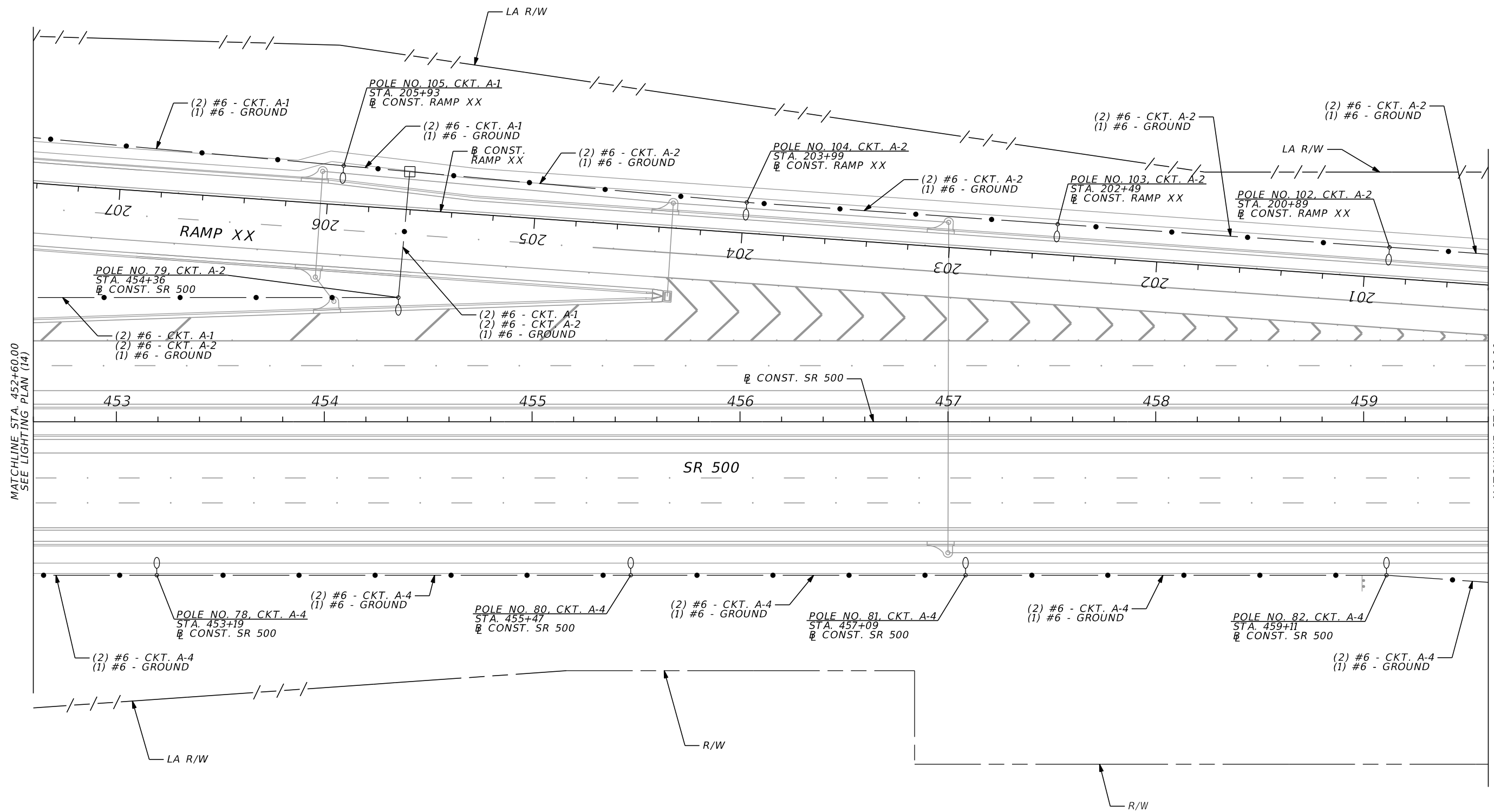
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						46	LAKE		238275-2-52-01

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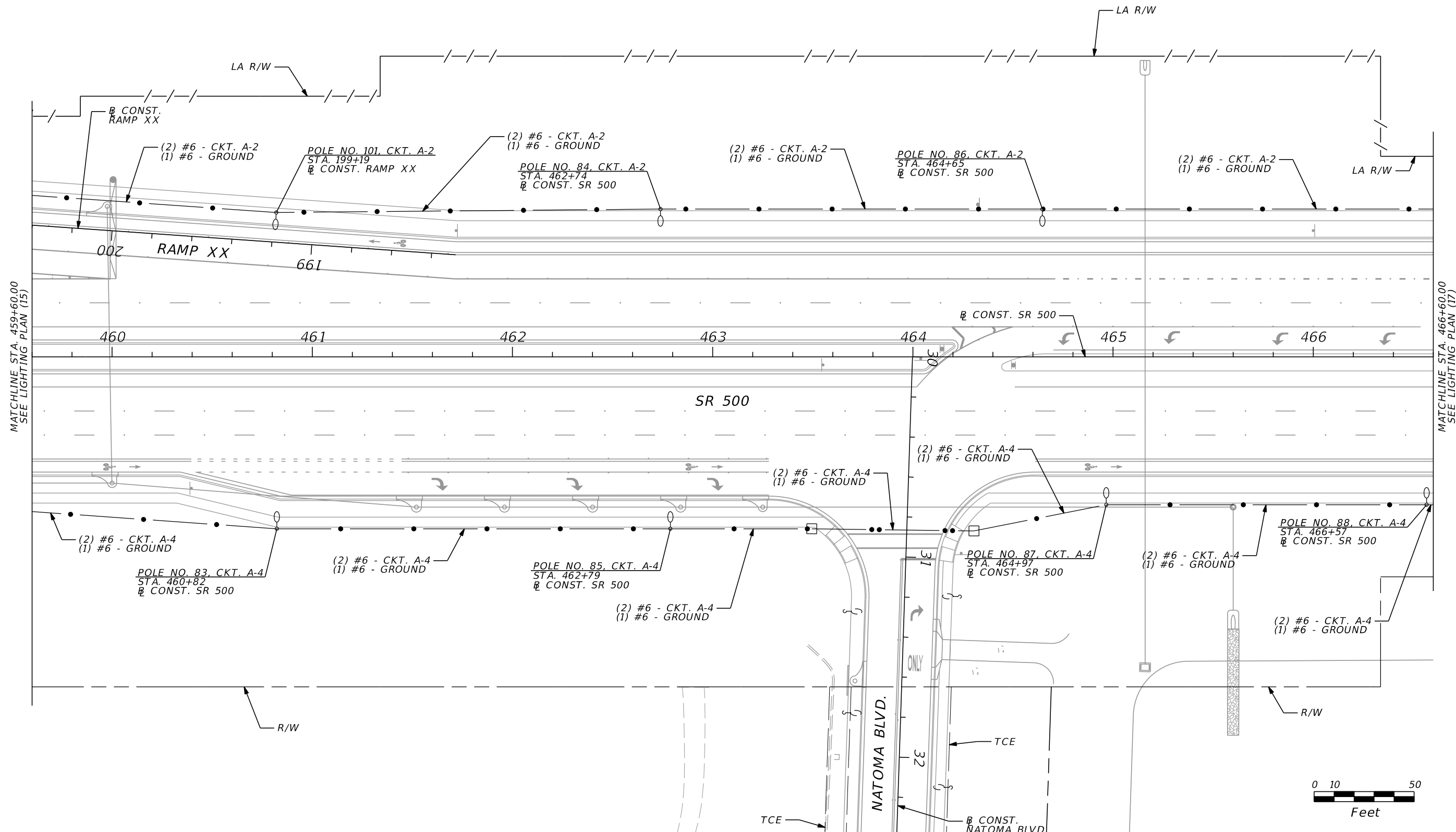
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REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (14)	SHEET NO. L-24
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		



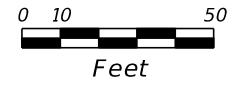
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-2-52-01			

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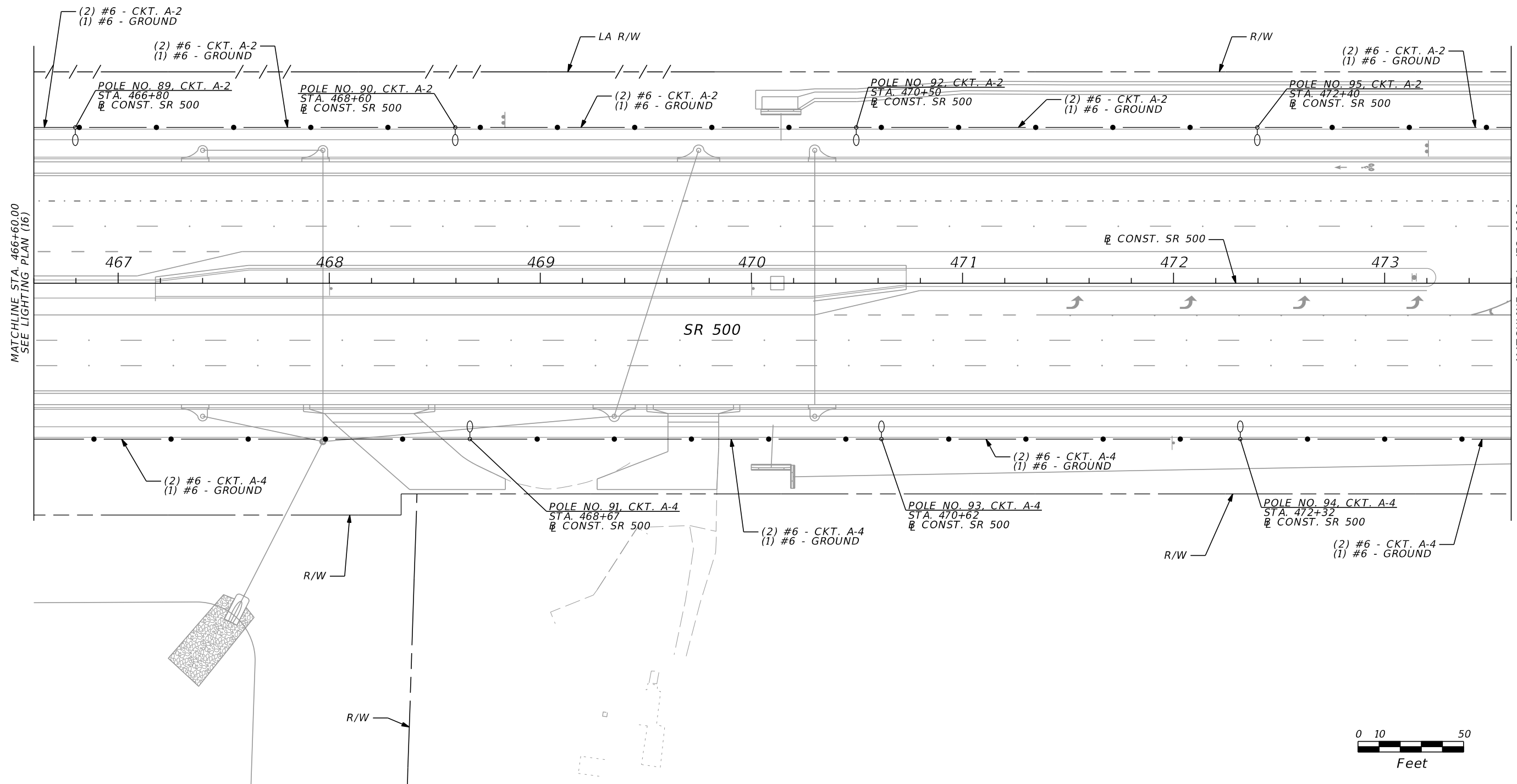
MATCHLINE STA. 459+60.00
SEE LIGHTING PLAN (15)

MATCHLINE STA. 466+60.00
SEE LIGHTING PLAN (17)



REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (16)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-26
					46	LAKE	238275-2-52-01		

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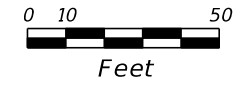
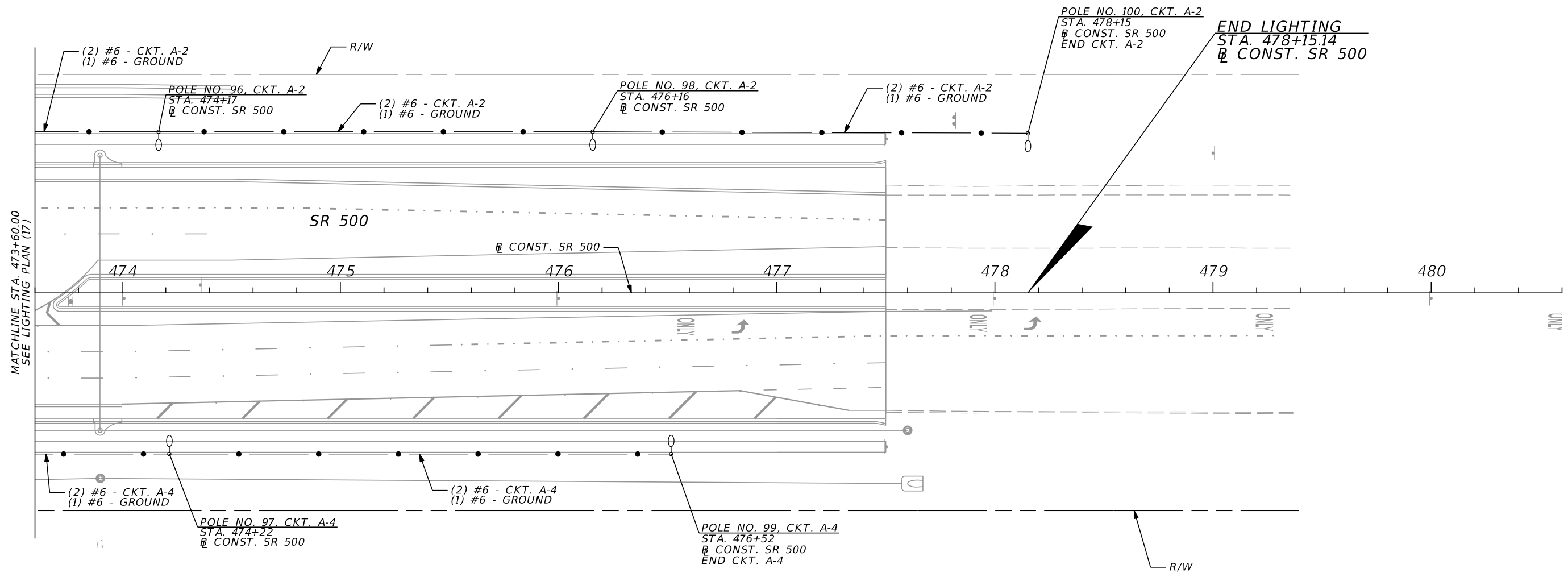


MATCHLINE STA. 466+60.00
SEE LIGHTING PLAN (16)

MATCHLINE STA. 473+60.00
SEE LIGHTING PLAN (18)

REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (17)	SHEET NO. L-27
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				46	LAKE	238275-2-52-01			

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REVISIONS				PROTEAN DESIGN GROUP SCOTT G. HORLANDER, P.E. NO. 46624 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN (18)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		L-28

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PANEL 'A'											MAINS: 200 A.,M.L.O.			
											VOLTAGE: 240/480 V.,1*, 3W.			
LOAD	CND. SIZE	WIRE SIZE	CKT. AMPS	BKR. P	CIR. NO.	VOLTS-AMPS		CIR. NO.	CKT. AMPS	BKR. P	WIRE SIZE	CND. SIZE	LOAD	
						ØA	ØB							
A-1	*	6	60	2	1	5616								
"						5616								
							7872	2	60	2	6	*	A-2	
A-3	*	6	60	2	3	7488							"	
						7488								
							7344	4	60	2	6	*	A-4	
A-5	*	6	60	2	5	4704							"	
						4704								
							4752	6	60	2	6	*	A-6	
A-7	*	2	60	2	7	4512							"	
						4512								
							4512	8	60	2	4	*	A-8	
						4512							"	
NOTES:								TOTAL DEMAND 46,800 VA						
* 1. SEE PLANS								TOTAL DEMAND 97.5 AMPS						
2. SEE INDEX 17504 FOR SERVICE POINT DETAILS.								NO. OF FIXTURES 131						
3. THE CITY OF MT. DORA WILL RUN SERVICE WIRE FROM SERVICE POLE TO PULL BOX AT LOAD CENTER.								MOUNTING SURFACE						
								MAIN: 25,000 AMPS AIC						
								BRANCH: 18,000 AMPS AIC						

REVISIONS				PROTEAN DESIGN GROUP JOHN K. STERRETT, P.E. NO. 15547 100 EAST PINE STREET, SUITE 600 ORLANDO FLORIDA 32801 PHONE (407) 246-0044 CERTIFICATE OF AUTHORIZATION NUMBER 7865	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SERVICE POINT DETAIL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					46	LAKE	238275-2-52-01		L-29

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