

CONTRACT PLANS COMPONENTS

ROADWAY
SIGNING AND PAVEMENT MARKING
SIGNALIZATION
INTELLIGENT TRANSPORTATION SYSTEMS
LIGHTING

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF LIGHTING PLANS

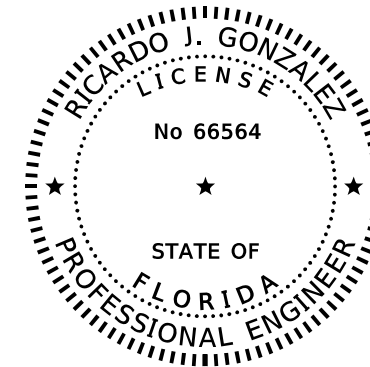
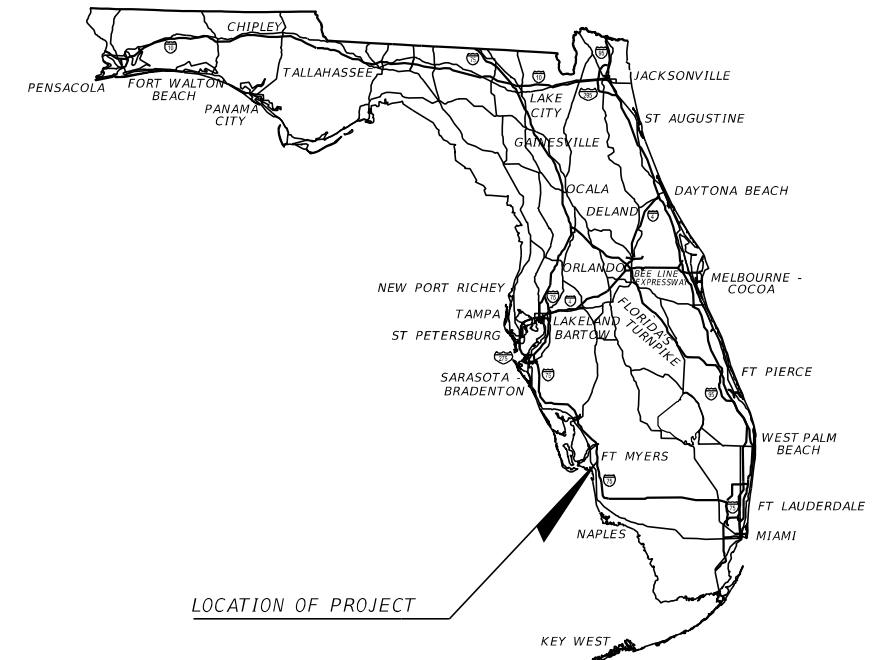
SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	GENERAL NOTES
L-3	LEGEND
L-4 - L-6	LIGHTING DATA TABLE
L-7	PROJECT LAYOUT
L-8 - L-13	LIGHTING PLAN
L-14	POLE DETAILS
L-15 - L-18	UNDERDECK LIGHTING DETAILS
L-19 - L-21	SERVICE POINT DETAILS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS

FINANCIAL PROJECT ID 446296-2-52-01
LEE COUNTY (12100)
I-75 (SR 93) AT CR 876 / SR 876 / DANIELS PARKWAY

PROJECT LOCATION URL: <https://tinyurl.com/uubsb6pn>
PROJECT LIMITS: BEGIN MP 7.112 - END MP 7.709
BEGIN MP 15.898 - END MP 17.265
EXCEPTIONS: NONE
BRIDGE LIMITS: #120106 MP 16.399 - MP 16.445
#120107 MP 16.399 - MP 16.445
RAILROAD CROSSING: NONE



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ON ANY ELECTRONIC COPIES.

PHASE IIR SUBMITTAL
07/11/2024

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2024-25 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

APPLICABLE IRs: N/A

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2024-25 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

**LIGHTING PLANS
ENGINEER OF RECORD:**

RICARDO J. GONZALEZ, P.E.
P.E. LICENSE NUMBER 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224
CONTRACT NO.: CAG74
VENDOR NO.: F560885615-001

FDOT PROJECT MANAGER:

MICHAEL VAN DER HEYDEN, P.E.

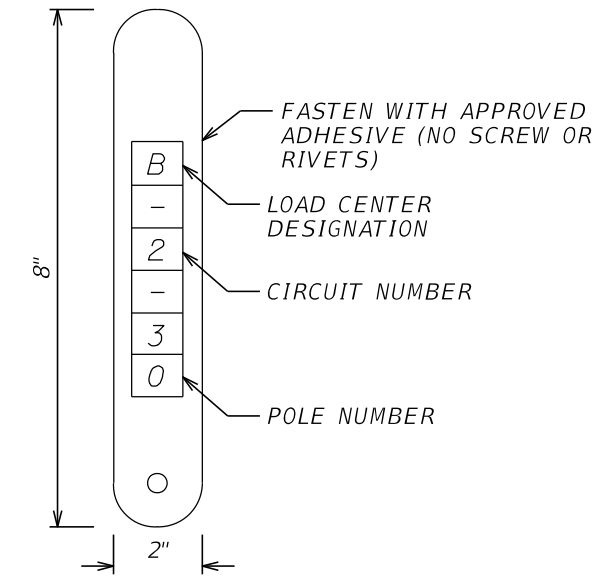
CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
EIV98	25	L-1

GENERAL NOTES

- UTILITY OWNERS: SEE ROADWAY PLANS
- THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE AND BASED ON THE INFORMATION FURNISHED TO THE ENGINEER BY THE UTILITY OWNER(S) AND ARE SHOWN AS NOTICE TO THE CONTRACTOR THAT UNDERGROUND UTILITIES EXIST. BEFORE EXCAVATING, NOTIFY THE UTILITY COMPANY OWNER(S) AND REQUEST THEM TO LOCATE AND STAKE THEIR UNDERGROUND FACILITIES.
- FOR ALTERNATIVE PROPOSED LUMINAIRES, SUBMITTAL DATA SHALL INCLUDE COMPUTER PRINTOUTS SHOWING POINT-TO-POINT HORIZONTAL AND VERTICAL FOOT-CANDLE LEVELS TO BE OBTAINED ON THIS PROJECT. LIGHTING DESIGN ANALYSIS REPORT SHALL BE USED, IF NO ALTERNATIVE LUMINAIRES ARE PROPOSED.
- IN ACCORDANCE WITH N.E.C., 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.
- NOTIFY UTILITY POWER SERVICE PROVIDER AT LEAST 48 HOURS PRIOR TO ANY INSTALLATION THAT IS WITHIN 10 FEET OF ENERGIZED ELECTRICAL CONDUCTORS. UTILITY POWER SERVICE PROVIDER, AT ITS OPTION, SHALL ASSIST THE FDOT CONTRACTOR TO COVER UP ENERGIZED CONDUCTORS AT INSTALLATION SITE OR TAKE OTHER SAFETY PRECAUTIONS AS NECESSARY. EXTREME CAUTION SHALL BE EXERCISED AT ALL TIMES IN PERFORMANCE OF WORK AROUND THE PRIMARY, HIGH VOLTAGE COMPONENTS.
- PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACKET AND MEET MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN RECOMMENDED BY N.E.C. OR N.E.S.C. FOR CABLE USED. PULL CABLE SHALL BE POLYESTER. STEEL CABLE OR FISH TAPES NOT ALLOWED.
- THE LIGHTING SYSTEM POWERED BY LOAD CENTER A WILL BE MAINTAINED BY FDOT AND LOAD CENTER B WILL BE MAINTAINED BY LEE COUNTY MAINTENANCE UPON FINAL ACCEPTANCE.
- ALL CONDUITS SHALL BE MANDREL TESTED AND CLEANED. CONDUITS PLACED FOR FUTURE USE SHALL HAVE 3/4" POLYESTER CORD PULLED IN PLACE AND CAPPED WITH NOTATION INSIDE CONDUIT AS TO LOCATION OF OPPOSITE END. PLACE DUCT MARKER OR PULL BOXES TO MARK ENDS OF EMPTY CONDUITS.
- DO NOT RUN FDOT CONDUITS TO LEE COUNTY PULL BOXES OR VICE VERSA.
- PERFORM A DETAILED FIELD REVIEW OF THE EXISTING LIGHTING SYSTEMS. FORWARD A LIST OF ALL DAMAGED AND/OR NON-FUNCTIONING LIGHTING EQUIPMENT WITHIN THE LIMITS OF LIGHTING CONSTRUCTION TO THE DEPARTMENT PRIOR TO BEGINNING ANY WORK.
- TAKE OWNERSHIP OF ALL EXISTING LIGHTING EQUIPMENT.

LIGHTING CRITERIA:

ROADWAY CLASSIFICATIONS OR PROJECT TYPE	ILLUMINATION LEVEL AVERAGE FOOT CANDLE		ILLUMINATION UNIFORMITY RATIOS		VEILING LUMINANCE RATIO Lv(max)/Lavg
	Horizontal (H.F.C.)	Vertical (V.F.C.)	AVG./MIN.	MAX./MIN.	
CORRIDOR LIGHTING					
LIMITED ACCESS FACILITIES	1.5	N/A	4:1 or Less	10:1 or Less	0.3:1 or Less
MAJOR ARTERIALS	1.5	N/A	4:1 or Less	10:1 or Less	0.3:1 or Less
SIGNALIZED INTERSECTION LIGHTING					
LIGHTING RETROFIT	1.5 STD. 1.0 MIN.	1.5 STD. 1.0 MIN.	4:1 or Less	10:1 or Less	N/A



POLE IDENTIFICATION TAG DETAIL
N.T.S.

NOTES FOR LIGHTING SYSTEM TO BE POWERED BY LOAD CENTER B


- ADHERE TO REQUIREMENTS IN "LEE COUNTY DEPARTMENT OF TRANSPORTATION PLAN SPECIFICATIONS FOR SIGNAL & STREET LIGHTING", DATED REVISED JANUARY 2023. CONTACT LEE COUNTY DEPARTMENT OF TRANSPORTATION (LCDOT) FOR ANY QUESTIONS REGARDING EQUIPMENT OR INSTALLATION REQUIREMENTS. FOLLOW THE FDOT GOVERNING STANDARDS AND SPECIFICATIONS FOR ALL ITEMS NOT COVERED BY LEE COUNTY SPECIFICATIONS.
- COORDINATE LIGHT POLE IDENTIFICATION NUMBER WITH LEE COUNTY MAINTENANCE.
- THE MAINTAINING AGENCY CONTACT INFORMATION IS:
LEE COUNTY DEPARTMENT OF TRANSPORTATION
EMAIL: LCDOTPROJECTS@LEEGOV.COM
PHONE: 239-533-9500
- AT THE COMPLETION OF THE PROJECT, PROVIDE AS-BUILT PLANS IN ELECTRONIC FORM (PDF) TO:
RYAN KIRSCH
LEE COUNTY DEPARTMENT OF TRANSPORTATION
5650 ENTERPRISE PKWY
FORT MYERS, FL 33905
EMAIL: LCDOTPROJECTS@LEEGOV.COM; RKIRSCH@LEEGOV.COM
- PAY ITEM 630-2-11: HDPE CONDUIT IS PROHIBITED
- PAY ITEM 630-2-12: USE 2" HDPE SDR 11 CONDUIT WITH GRAY IN COLOR. NO OTHER CONDUIT COLORS CAN BE USED UNLESS COORDINATED THROUGH THE ENGINEER AND APPROVED BY LEE COUNTY DOT TRAFFIC IN WRITING.
- PAY ITEM 635-2-14: THE STANDARD PULL BOX SIZE IS 17"x 30"x 12". PULL BOXES AND PULL BOX COVERS SHALL BE POLYMER CONCRETE CONSTRUCTION, HAVE ANSI TIER RATING OF T22 AND DESIGN LOAD RATING OF 22,500 LBS., NO EXCEPTIONS WILL BE PERMITTED. (POLYOLEFIN BLEND AND CONCRETE IS PROHIBITED). PERMANENT CAST OR ENGRAVED COVERS WITH "STREET LIGHTING"
- PAY ITEMS 639-1-122, 639-3-11 & 715-7-11: FURNISH AND INSTALL LOAD CENTER PER SHEET L-19.
- PAY ITEM 715-500-1: FURNISH AND INSTALL POLE CABLE DISTRIBUTION SYSTEM PER SHEET L-19.


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


REVISIONS			ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				RICARDO J. GONZALEZ, P.E. LICENSE NUMBER 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	SR 93	LEE	446296-2-52-01	GENERAL NOTES
							L-2	


LEGEND:


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
SINGLE FIXTURE, SHOULDER MOUNTED, POLE TOP MOUNTED WITH 311 WATT LIGHT EMITTING DIODE (LED) TYPE III LUMINAIRE, 38274 LUMENS, 3000K CORRELATED COLOR TEMPERATURE, WIRED FOR 480/240 VOLT OPERATION. THE BASIS OF DESIGN USED WAS: MANUFACTURER: LUMEC, MODEL: ROADFOCUS, PHOTOMETRIC CURVE: RFL-310W140LED3K-G2-R3M. SYMBOL INCLUDES LUMINAIRE, LIGHT POLE, FOUNDATION, AND POLE CABLE DISTRIBUTION SYSTEM.
- 


SINGLE FIXTURE, SHOULDER MOUNTED, POLE TOP MOUNTED WITH 340 WATT LIGHT EMITTING DIODE (LED) TYPE IV LUMINAIRE, 39574 LUMENS, 3000K CORRELATED COLOR TEMPERATURE, WIRED FOR 480/240 VOLT OPERATION. THE BASIS OF DESIGN USED WAS: MANUFACTURER: LUMEC MODEL: ROADFOCUS, PHOTOMETRIC CURVE: RFL-350W112LED3K-G2-4. SYMBOL INCLUDES LUMINAIRE, LIGHT POLE, FOUNDATION, AND POLE CABLE DISTRIBUTION SYSTEM.
- 


SINGLE FIXTURE, SHOULDER MOUNTED, POLE TOP MOUNTED WITH 243 WATT LIGHT EMITTING DIODE (LED) TYPE II LUMINAIRE, 30916 LUMENS, 3000K CORRELATED COLOR TEMPERATURE, WIRED FOR 480/240 VOLT OPERATION. THE BASIS OF DESIGN USED WAS: MANUFACTURER: LUMEC, MODEL: ROADFOCUS, PHOTOMETRIC CURVE: RFL-241W112LED3K-G2-R2M. SYMBOL INCLUDES LUMINAIRE, LIGHT POLE, FOUNDATION, AND POLE CABLE DISTRIBUTION SYSTEM.
- 


SINGLE FIXTURE, SHOULDER MOUNTED, POLE TOP MOUNTED WITH 280 WATT LIGHT EMITTING DIODE (LED) TYPE IV LUMINAIRE, 38715 LUMENS, 3000K CORRELATED COLOR TEMPERATURE, WIRED FOR 480/240 VOLT OPERATION. THE BASIS OF DESIGN USED WAS: MANUFACTURER: HOLOPHANE, MODEL: MONGOOSE, PHOTOMETRIC CURVE: MGLEDM P8 30K FT. SYMBOL INCLUDES LUMINAIRE, LIGHT POLE, FOUNDATION, AND POLE CABLE DISTRIBUTION SYSTEM.
- 


UNDERDECK LUMINAIRE WALL MOUNTED WITH 23 WATT LIGHT EMITTING DIODE (LED) TYPE IV LUMINAIRE, 2900 LUMENS, 3000K CORRELATED COLOR TEMPERATURE, WIRED FOR 480/240 VOLT OPERATION. THE BASIS OF DESIGN USED WAS MANUFACTURER: EVOLVE, MODEL: EWAS A, PHOTOMETRIC CURVE: EWAS015A4AF730.
- 

SINGLE FIXTURE, SHOULDER MOUNTED, POLE TOP MOUNTED WITH 280 WATT LIGHT EMITTING DIODE (LED) TYPE IV LUMINAIRE, 38715 LUMENS, 3000K CORRELATED COLOR TEMPERATURE, WIRED FOR 480/240 VOLT OPERATION. THE BASIS OF DESIGN USED WAS: MANUFACTURER: HOLOPHANE, MODEL: MONGOOSE, PHOTOMETRIC CURVE: MGLED P8 30K FT. SYMBOL INCLUDES LUMINAIRE, LIGHT POLE, FOUNDATION, AND POLE CABLE DISTRIBUTION SYSTEM. TO BE INSTALLED UNDER LEE COUNTY PROJECT NO. CN160642/ANB.
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
PROPOSED LOAD CENTER B 480/240V
- 


PROPOSED LOAD CENTER A 480/240V
- 


PULL BOX WITH CONCRETE SLAB
- 


2" UNDERGROUND CONDUIT, DIRECT BURIED, THE CONDUCTOR COUNTS ARE INDICATED ON PLAN SHEETS.
- 


2" DIRECTIONAL BORE CONDUIT, THE CONDUCTOR COUNTS ARE INDICATED ON PLAN SHEETS.
- 


2" ABOVE GROUND CONDUIT, THE CONDUCTOR COUNTS ARE INDICATED ON PLAN SHEETS.
- 


CONCRETE POLE PRESTRESSED TYPE P-II 12' HEIGHT
- 

EXISTING UNDERDECK PEDANT LUMINAIRE TO BE REMOVED
- 

EXISTING LOAD CENTER 480/GROUND TO BE REMOVED
- 

EXISTING POWER POLE WITH TRANSFORMER
- 

EXISTING WETLANDS
- 

EXISTING HIGH MAST TO REMAIN
- 

EXISTING HIGH MAST TO BE REMOVED

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO J. GONZALEZ, P.E. LICENSE NUMBER 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 93	LEE	446296-2-52-01	L-3

LEGEND

Lighting Data Table

Pole No.	Easting	Northing	Baseline	Station	Offset	Foundation	Arm Length	Mount Height	Quantity Luminaires	Type	Make\Model	Lumens	IES Dist Type	CCT(K)	Tilt (deg)	Luminaire Watts	Luminaire Volts	Load Center No.	Circuit No.	Maint. Agency	Pay Item
100	722999.59	805723.64	BL RAMPD3	1713+00.70	19.67 LT	SHAFT	0	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-1	FDOT	0715 61400
101	722905.30	805479.68	BL RAMPD3	1710+36.91	43.91 LT	SHAFT	0	45	1	CONVENTIONAL	LUMEC RFL-310W140LED3K-G2-R3M	38274	III	3000	0	311	480/240	A	A-1	FDOT	0715 61400
102	722832.51	805291.18	BL RAMPD3	1708+33.42	45.10 LT	SHAFT	0	45	1	CONVENTIONAL	LUMEC RFL-350W112LED3K-G2-4	39574	IV	3000	0	340	480/240	A	A-1	FDOT	0715 61400
103	722755.94	805101.07	BL RAMPD3	1706+28.49	48.12 LT	SHAFT	0	45	1	CONVENTIONAL	LUMEC RFL-350W112LED3K-G2-4	39574	IV	3000	0	340	480/240	A	A-1	FDOT	0715 61400
104	722801.46	804892.48	BL RAMPD4	1803+95.01	51.50 RT	SHAFT	15	45	1	CONVENTIONAL	LUMEC RFL-350W112LED3K-G2-4	39574	IV	3000	0	340	480/240	A	A-1	FDOT	0715 61400
105	722626.16	804825.12	BL RAMPD3	1703+01.17	54.21 LT	SHAFT	15	45	1	CONVENTIONAL	LUMEC RFL-310W140LED3K-G2-R3M	38274	III	3000	0	311	480/240	A	A-1	FDOT	0715 61452
110	722629.86	804495.67	BL RAMP44	1104+97.76	15.00 LT	SHAFT	0	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-3	FDOT	0715 61400
111	722862.21	804476.84	BL RAMP43	1215+91.69	27.35 RT	SHAFT	8	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-3	FDOT	0715 61411
112	722749.40	804344.78	BL RAMP44	1102+93.95	15.00 LT	SHAFT	8	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-3	FDOT	0715 61411
113	722819.08	804111.91	BL RAMP43	1212+13.02	57.00 LT	SHAFT	8	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-3	FDOT	0715 61411
114	722906.58	803870.23	BL RAMP43	1209+56.01	48.76 LT	SHAFT	8	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-3	FDOT	0715 61411
115	722990.24	803624.41	BL RAMP43	1206+95.65	44.97 LT	SHAFT	8	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-3	FDOT	0715 61411
116	723050.54	803382.31	BL RAMP43	1204+41.79	44.78 LT	SHAFT	8	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-3	FDOT	0715 61411
120	723316.57	805963.89	BL RAMP41	1616+02.62	45.01 RT	SHAFT	8	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-2	FDOT	0715 61411
121	723381.75	805705.67	BL RAMP41	1613+31.52	45.00 RT	SHAFT	8	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-2	FDOT	0715 61411
122	723470.04	805457.73	BL RAMP41	1610+66.28	45.00 RT	SHAFT	8	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-2	FDOT	0715 61411
123	723564.68	805200.78	BL RAMP41	1607+92.45	45.00 RT	SHAFT	8	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-2	FDOT	0715 61411
124	723648.23	804969.50	BL RAMP41	1505+48.83	15.00 RT	SHAFT	0	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-2	FDOT	0715 61400
125	723513.99	804881.41	BL RAMP41	1604+58.99	22.20 LT	SHAFT	0	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-2	FDOT	0715 61400
126	723807.33	804831.66	BL RAMP41	1503+26.82	15.00 RT	SHAFT	0	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-2	FDOT	0715 61400
130	723711.06	804575.61	BL RAMP41	1322+10.78	12.58 RT	SHAFT	0	45	1	CONVENTIONAL	LUMEC RFL-310W140LED3K-G2-R3M	38274	III	3000	0	311	480/240	A	A-4	FDOT	0715 61400
131	724058.19	804492.83	BL RAMP41	1404+32.73	48.76 RT	SHAFT	0	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-4	FDOT	0715 61400
132	723760.61	804379.46	BL RAMP41	1319+98.04	75.21 LT	SHAFT	15	45	1	CONVENTIONAL	LUMEC RFL-310W140LED3K-G2-R3M	38274	III	3000	0	311	480/240	A	A-4	FDOT	0715 61452
133	723957.47	804335.32	BL RAMP41	1402+42.32	45.00 RT	SHAFT	0	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-1	FDOT	0715 61400
134	723866.30	804184.79	BL RAMP41	1400+66.33	45.00 RT	SHAFT	15	45	1	CONVENTIONAL	LUMEC RFL-350W112LED3K-G2-4	39574	IV	3000	0	340	480/240	A	A-4	FDOT	0715 61452
135	723763.03	804014.25	BL RAMP41	1316+05.34	45.00 RT	SHAFT	15	45	1	CONVENTIONAL	LUMEC RFL-310W140LED3K-G2-R3M	38274	III	3000	0	311	480/240	A	A-4	FDOT	0715 61452
136	723639.24	803809.85	BL RAMP41	1313+66.37	45.00 RT	SHAFT	15	45	1	CONVENTIONAL	LUMEC RFL-310W140LED3K-G2-R3M	38274	III	3000	0	311	480/240	A	A-4	FDOT	0715 61452
137	723513.73	803600.74	BL RAMP41	1311+20.72	44.93 RT	SHAFT	15	45	1	CONVENTIONAL	LUMEC RFL-310W140LED3K-G2-R3M	38274	III	3000	0	311	480/240	A	A-4	FDOT	0715 61452
138	723421.31	803395.01	BL RAMP41	1308+88.10	45.00 RT	SHAFT	15	45	1	CONVENTIONAL	LUMEC RFL-310W140LED3K-G2-R3M	38274	III	3000	0	311	480/240	A	A-4	FDOT	0715 61452
139	723347.71	803150.91	BL RAMP41	1306+26.50	33.00 RT	SHAFT	8	45	1	CONVENTIONAL	LUMEC RFL-241W112LED3K-G2-R2M	30916	II	3000	0	243	480/240	A	A-4	FDOT	0715 61411
UD-1	723155.75	804749.62	BL CR876	29+72.52	76.63 LT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-2	723210.33	804749.95	BL CR876	30+27.11	76.41 LT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-3	723262.97	804750.37	BL CR876	30+79.75	76.28 LT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-4	723120.92	804740.57	BL CR876	29+37.60	72.81 LT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-5	723155.94	804740.56	BL CR876	29+72.62	72.44 LT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-6	723210.37	804740.99	BL CR876	30+27.05	72.32 LT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-7	723248.64	804741.64	BL CR876	30+65.32	72.58 LT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-8	723120.82	804673.45	BL CR876	29+36.82	.82 LT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-9	723156.90	804674.00	BL CR876	29+72.89	1.01 LT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-10	723211.19	804674.42	BL CR876	30+27.19	.87 LT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-11	723248.36	804674.72	BL CR876	30+64.36	.79 LT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-12	723157.05	804664.87	BL CR876	29+72.95	3.25 RT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-13	723211.18	804665.31	BL CR876	30+27.09	3.36 RT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-14	723120.71	804597.77	BL CR876	29+35.93	74.85 RT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-15	723157.42	804598.36	BL CR876	29+72.64	74.64 RT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-16	723211.88	804598.75	BL CR876	30+27.11	74.81 RT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125
UD-17	723248.66	804599.08	BL CR876	30+63.88	74.85 RT		0	16	1	UNDERDECK	EWAS-01-480-A4 AF 7 30	2900	IV	3000	0	23	480/240	A	A-4	FDOT	0715 11125

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REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING DATA TABLE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 93	LEE	446296-2-52-01		L-5

RICARDO J. GONZALEZ P.E.
LICENSE NUMBER 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224

Lighting Data Table

Pole No.	Easting	Northing	Baseline	Station	Offset	Foundation	Arm Length	Mount Height	Quantity Luminaires	Type	Make\Model	Lumens	IES Dist Type	CCT(K)	Tilt (deg)	Luminaire Watts	Luminaire Volts	Load Center No.	Circuit No.	Maint. Agency	Pay Item
300	721933.37	804736.96	BL CR876	17+50.08	82.80 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
301	722132.36	804747.52	BL CR876	19+48.97	91.32 LT	SPREAD FOOTER	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
302	722334.86	804772.58	BL CR876	21+51.46	114.28 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
303	722525.47	804763.67	BL CR876	23+41.60	103.36 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
304	722717.59	804756.15	BL CR876	25+33.22	93.76 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
305	722868.39	804779.88	BL CR876	26+85.48	116.15 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
306	723034.83	804780.42	BL CR876	28+51.92	114.98 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
307	723331.80	804782.79	BL CR876	31+48.91	114.31 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
308	723502.68	804772.42	BL CR876	33+19.27	102.17 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
309	723669.08	804762.69	BL CR876	34+86.73	90.68 LT	SPREAD FOOTER	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
310	723776.26	804731.82	BL CR876	35+94.20	58.54 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
311	723878.71	804756.62	BL CR876	36+95.46	82.54 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
* 312	724003.59	804812.23	BL CR876	38+20.91	136.88 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
* 313	724191.10	804813.32	BL CR876	40+08.84	136.02 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
* 314	724369.83	804787.22	BL CR876	41+87.63	108.06 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	5	280	480/240	B	B-1	LEE COUNTY	0715 61300
* 315	724564.76	804775.15	BL CR876	43+81.72	94.05 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	5	280	480/240	B	B-1	LEE COUNTY	0715 61300
* 316	724754.60	804776.99	BL CR876	45+71.57	93.95 LT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
317	724956.08	804773.13	BL CR876	47+73.00	88.03 LT	SPREAD FOOTER	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
* 318	721901.16	804581.65	BL CR876	17+16.28	79.93 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
* 319	722071.63	804580.47	BL CR876	18+86.72	82.85 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
** 320	722232.11	804557.59	BL CR876	20+66.18	108.06 RT	SHAFT	16'	45	1	UTILITY CONFLICT	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 65366
** 321	722437.14	804548.62	BL CR876	22+57.68	121.52 RT	SHAFT	16'	45	1	UTILITY CONFLICT	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 65366
322	722598.95	804606.83	BL CR876	24+15.51	61.69 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
323	722669.89	804616.57	BL CR876	24+85.20	52.88 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
324	722751.17	804612.67	BL CR876	25+65.45	57.45 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
325	722818.34	804598.06	BL CR876	26+32.93	72.85 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
326	723040.29	804577.64	BL CR876	28+55.75	95.57 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
327	723316.91	804596.70	BL CR876	31+31.68	79.34 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
328	723495.75	804571.14	BL CR876	33+10.24	106.74 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
329	723765.58	804607.82	BL CR876	35+82.18	72.61 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
330	723871.91	804604.65	BL CR876	36+87.16	77.11 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
331	724009.35	804558.00	BL CR876	38+23.34	125.08 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-1	LEE COUNTY	0715 61300
332	724192.33	804534.85	BL CR876	40+07.29	150.16 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	5	280	480/240	B	B-2	LEE COUNTY	0715 61300
333	724355.23	804570.14	BL CR876	41+70.82	116.49 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
* 334	724519.97	804578.80	BL CR876	43+34.92	109.58 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
* 335	724698.23	804592.93	BL CR876	45+13.32	97.28 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
336	724859.99	804585.27	BL CR876	46+74.99	106.60 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300
337	725036.09	804591.57	BL CR876	48+51.14	102.10 RT	SHAFT	0	40	1	CONVENTIONAL	MGLED P8 30K FT	38715	IV	3000	0	280	480/240	B	B-2	LEE COUNTY	0715 61300

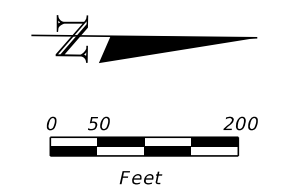
* LIGHT POLES ON SLOPES BETWEEN 1:2 AND 1:4, ADD 2'-6" TO FOUNDATION TABLE ON INDEX 715-002 SHEET 4 OF 9

** LIGHT POLE LOCATED BEHIND GRAVITY WALL.

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REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING DATA TABLE	SHEET NO. L-6
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 93	LEE	446296-2-52-01		

RICARDO J. GONZALEZ P.E.
LICENSE NUMBER 66564
METRIC ENGINEERING, INC.
11760 MARCO BEACH DRIVE, SUITE 1
JACKSONVILLE, FLORIDA 32224



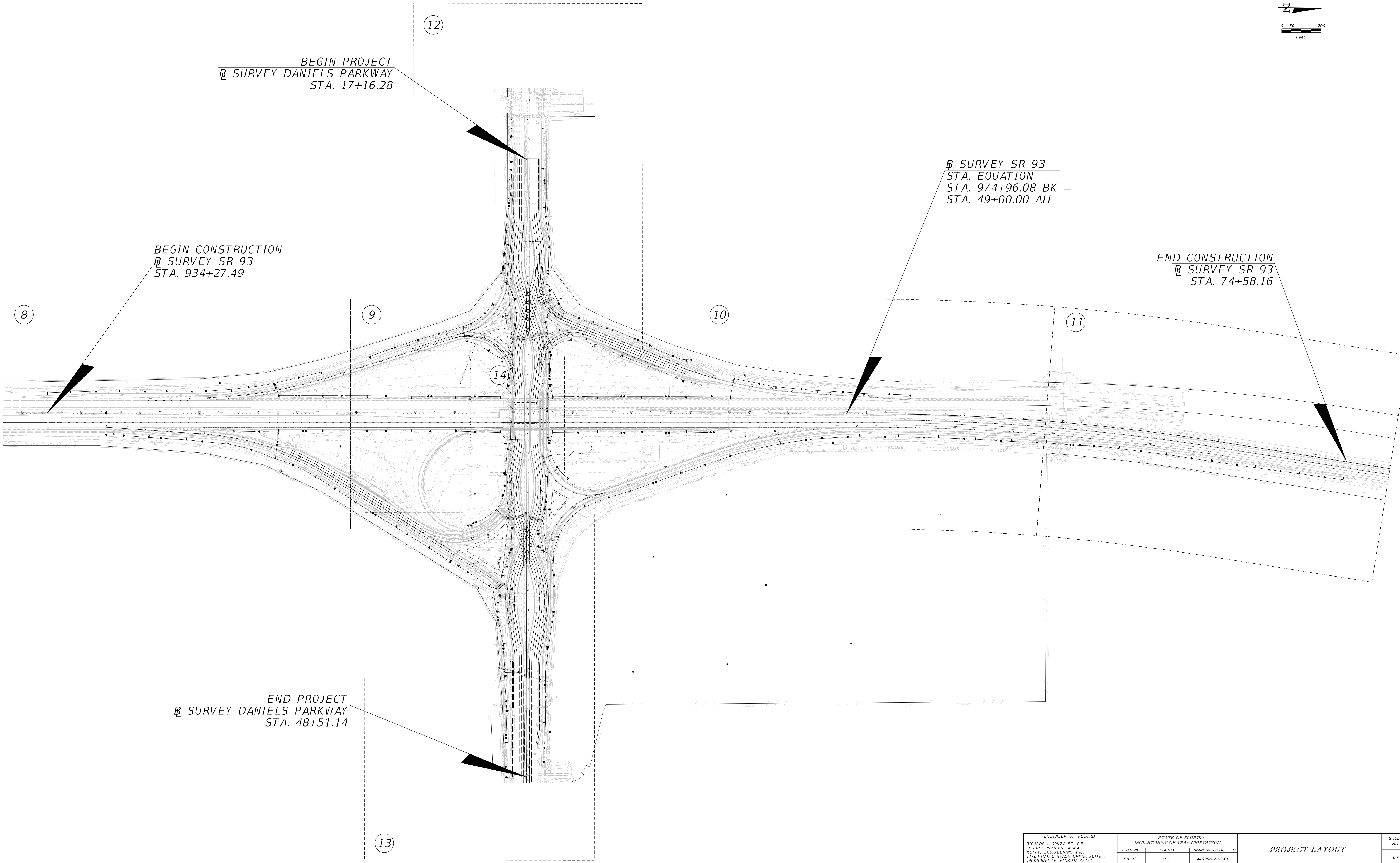
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SURVEY DANIELS PARKWAY
STA. 17+16.28

BEGIN CONSTRUCTION
SURVEY SR 93
STA. 934+27.49

SURVEY SR 93
STA. EQUATION
STA. 974+96.08 BK =
STA. 49+00.00 AH

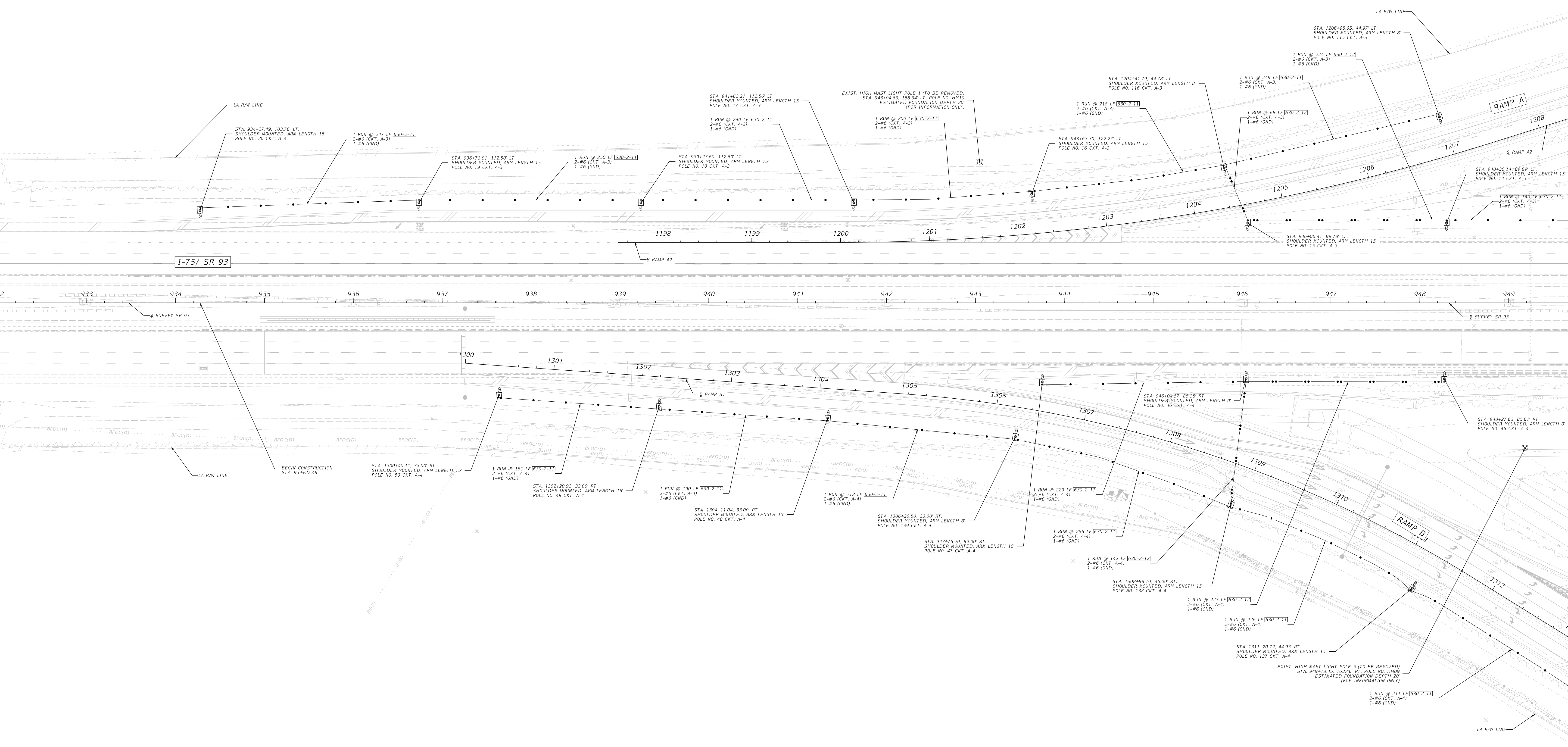
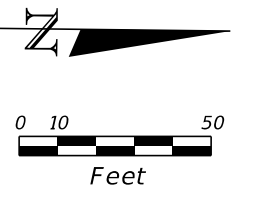
END CONSTRUCTION
SURVEY SR 93
STA. 74+58.16

END PROJECT
SURVEY DANIELS PARKWAY
STA. 48+51.14



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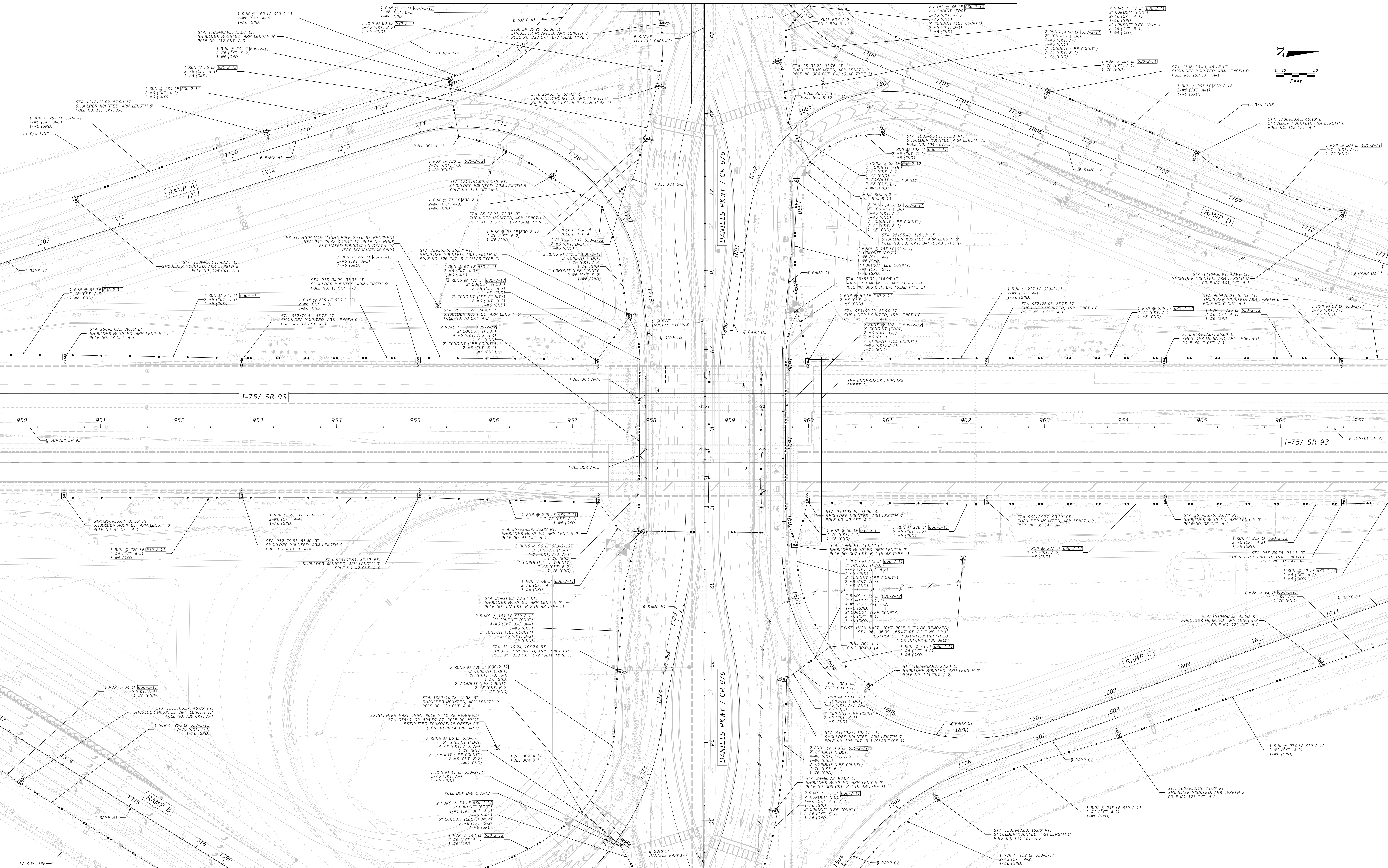
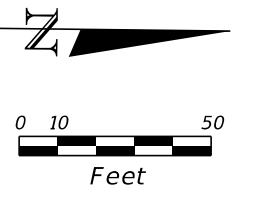
ENGINEER OF RECORD		STATE OF FLORIDA		PROJECT LAYOUT	SHEET NO.
RICARDO J. GONZALEZ, P.E. LICENSE NUMBER: 60564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224		DEPARTMENT OF TRANSPORTATION			
ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
SR 93	LEE	446296-2-52-01			L-7



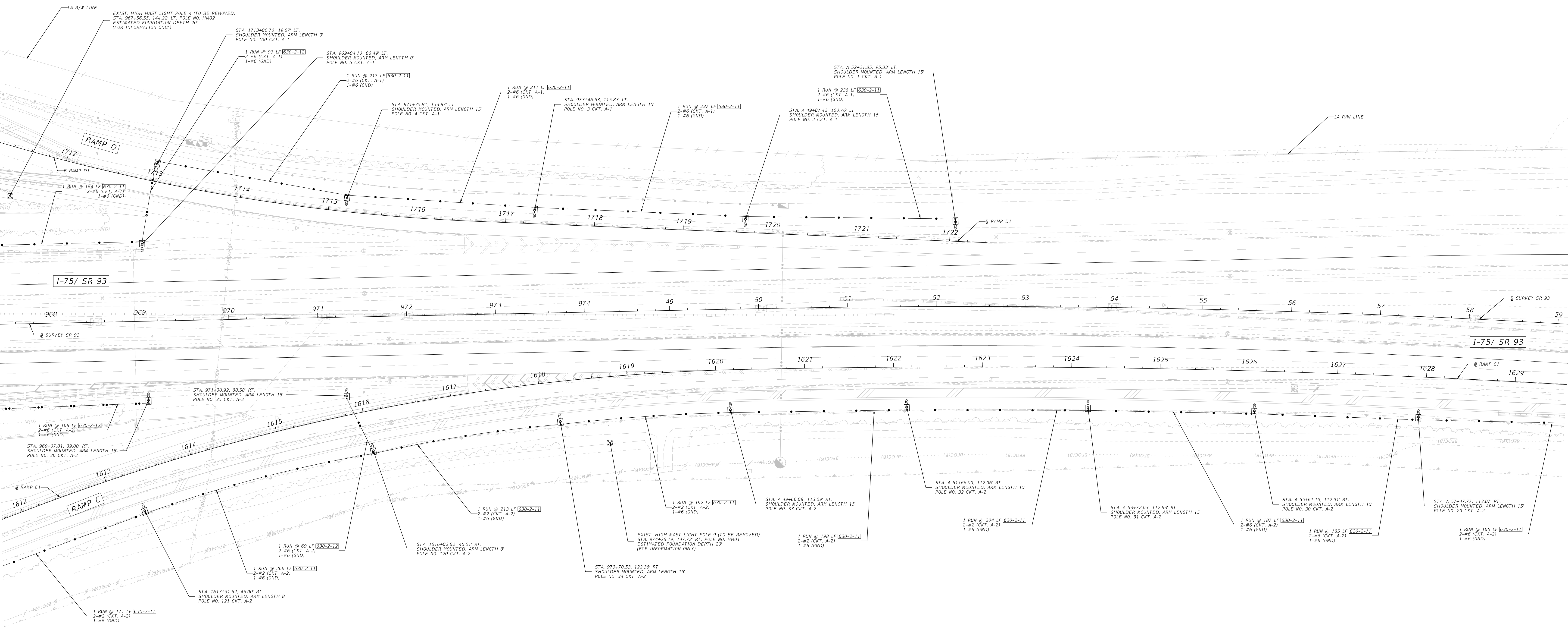
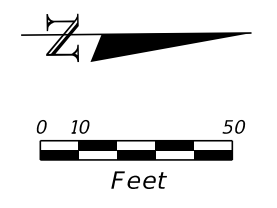
I-75/ SR 93

I-75/ SR 93

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	ROAD NO. SR 93	COUNTY LEE	FINANCIAL PROJECT ID 446296-2-52-01		



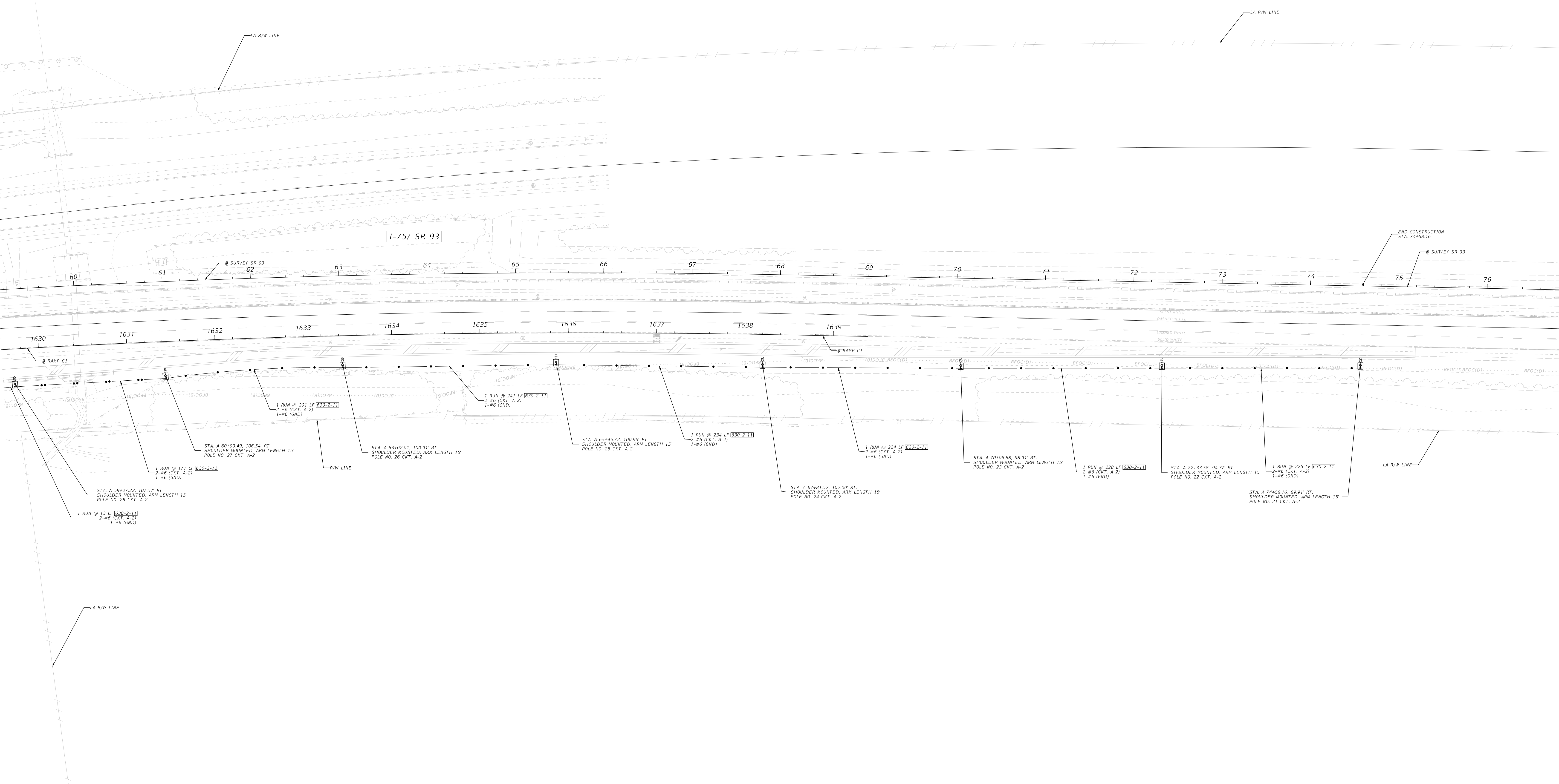
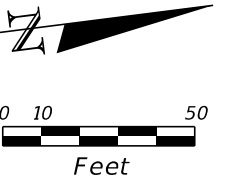
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	ENGINEER OF RECORD RICARDO J. GONZALEZ, P.E. LICENSE NUMBER: 65564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	DEPARTMENT OF TRANSPORTATION ROAD NO. SR 93	COUNTY LEE FINANCIAL PROJECT ID 446296-2-52-01		



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	RICARDO J. GONZALEZ, P.E.		DEPARTMENT OF TRANSPORTATION		
	LICENSE NUMBER: 65564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224		ROAD NO.	COUNTY	
	SR 93	LEE	446296-2-52-01		L-10

LIGHTING PLAN

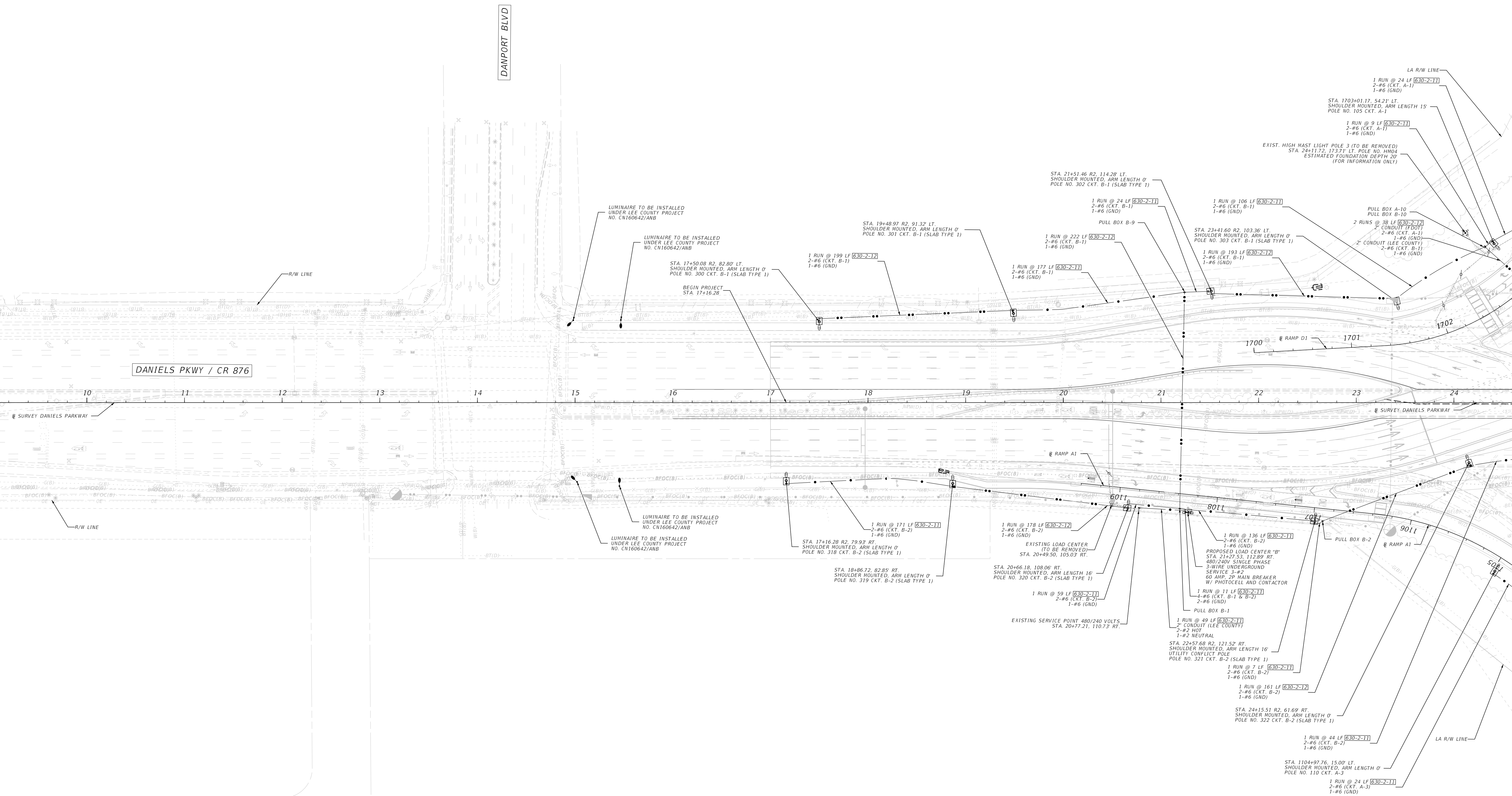
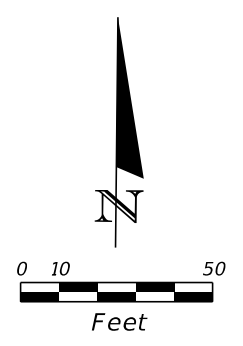


I-75/ SR 93

END CONSTRUCTION STA. 74+58.16

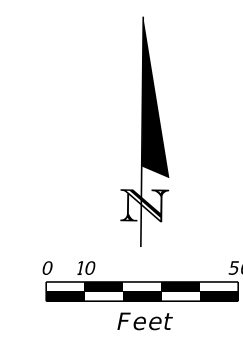
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.	ENGINEER OF RECORD RICARDO J. GONZALEZ, P.E. LICENSE NUMBER: 60564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		LIGHTING PLAN SHEET NO. L-11	
		ROAD NO. SR 93	COUNTY LEE		FINANCIAL PROJECT ID 446296-2-52-01

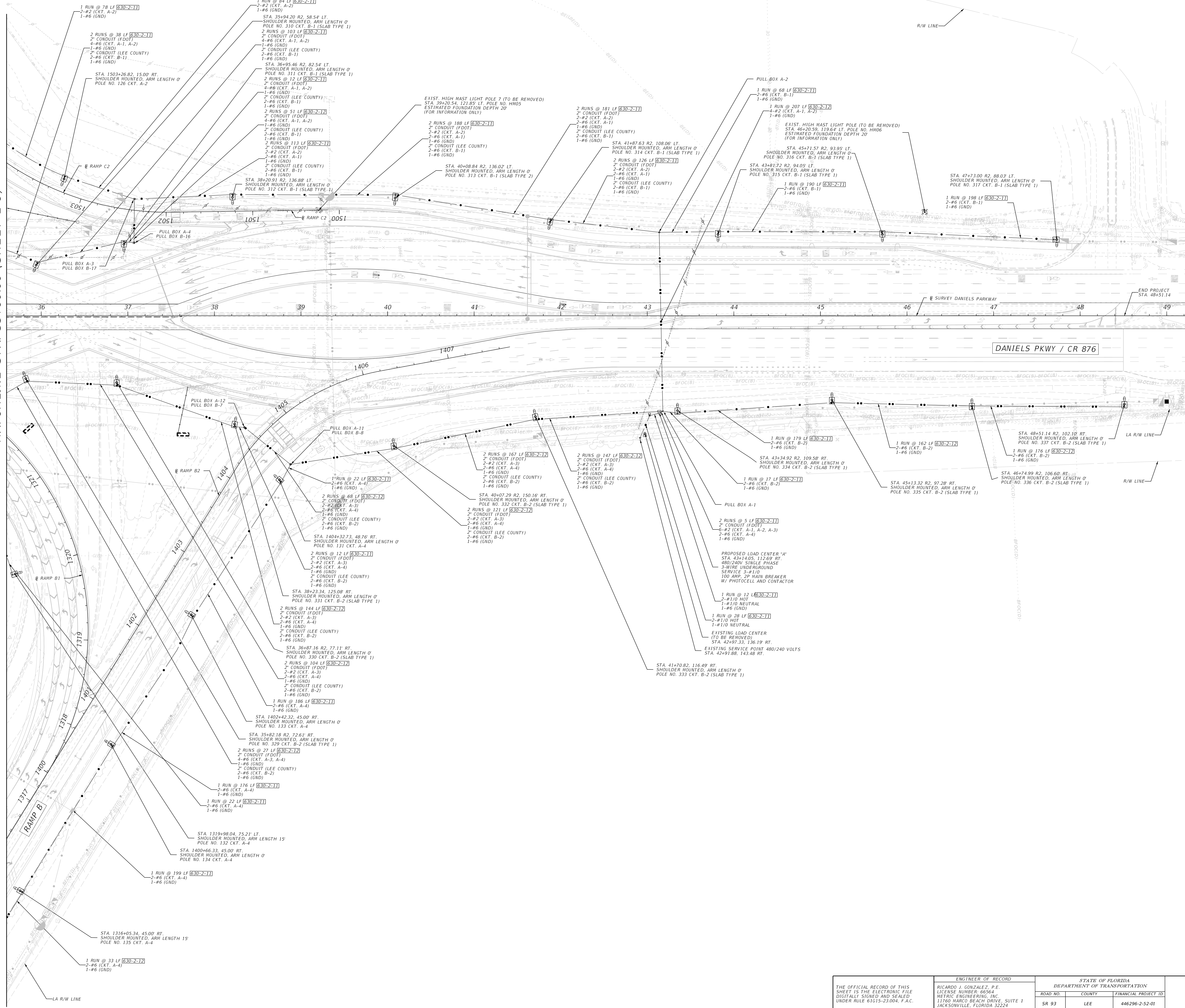


MATCHLINE STA. 24+60.00 (SHEET L-9)

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	ROAD NO. SR 93	COUNTY LEE	FINANCIAL PROJECT ID 446296-2-52-01		



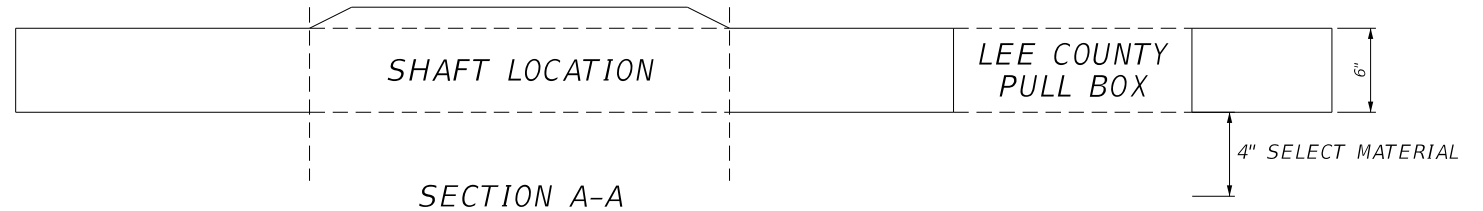
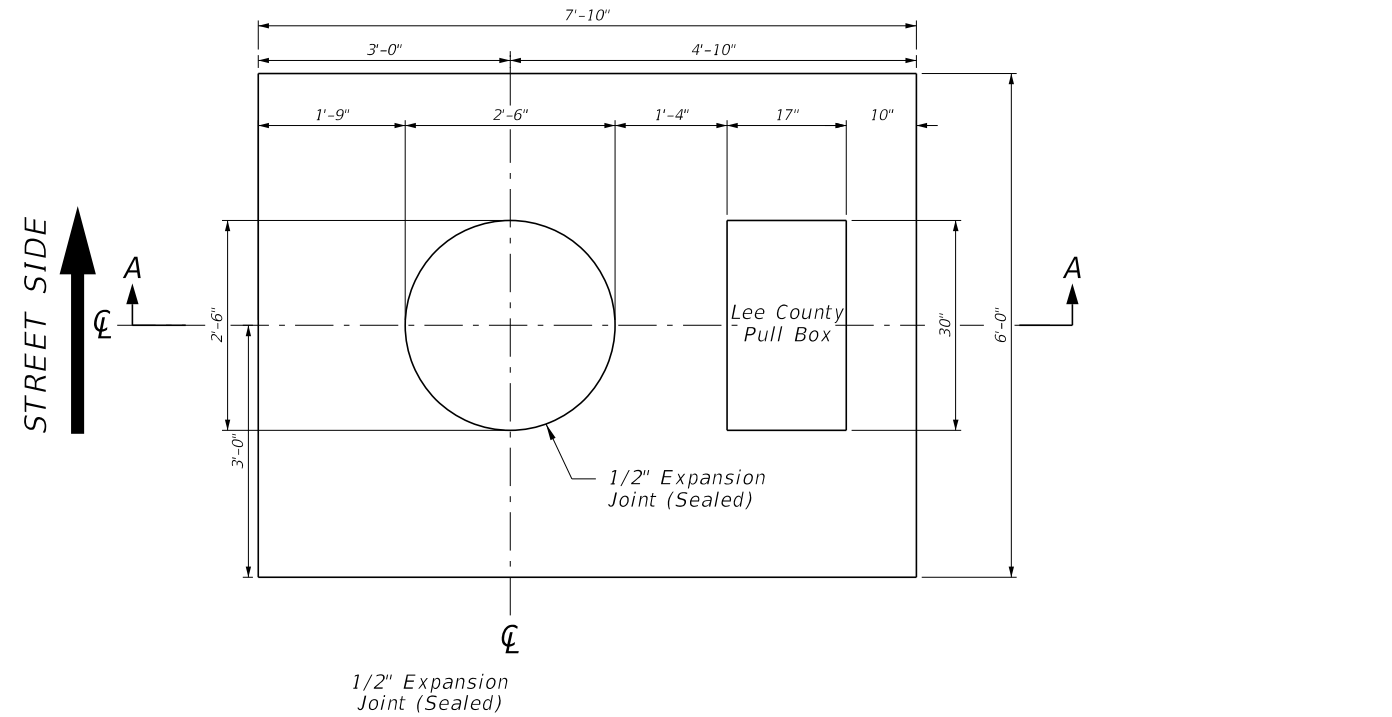
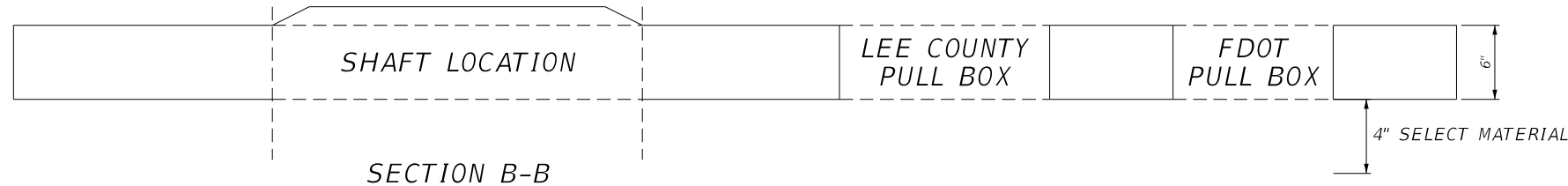
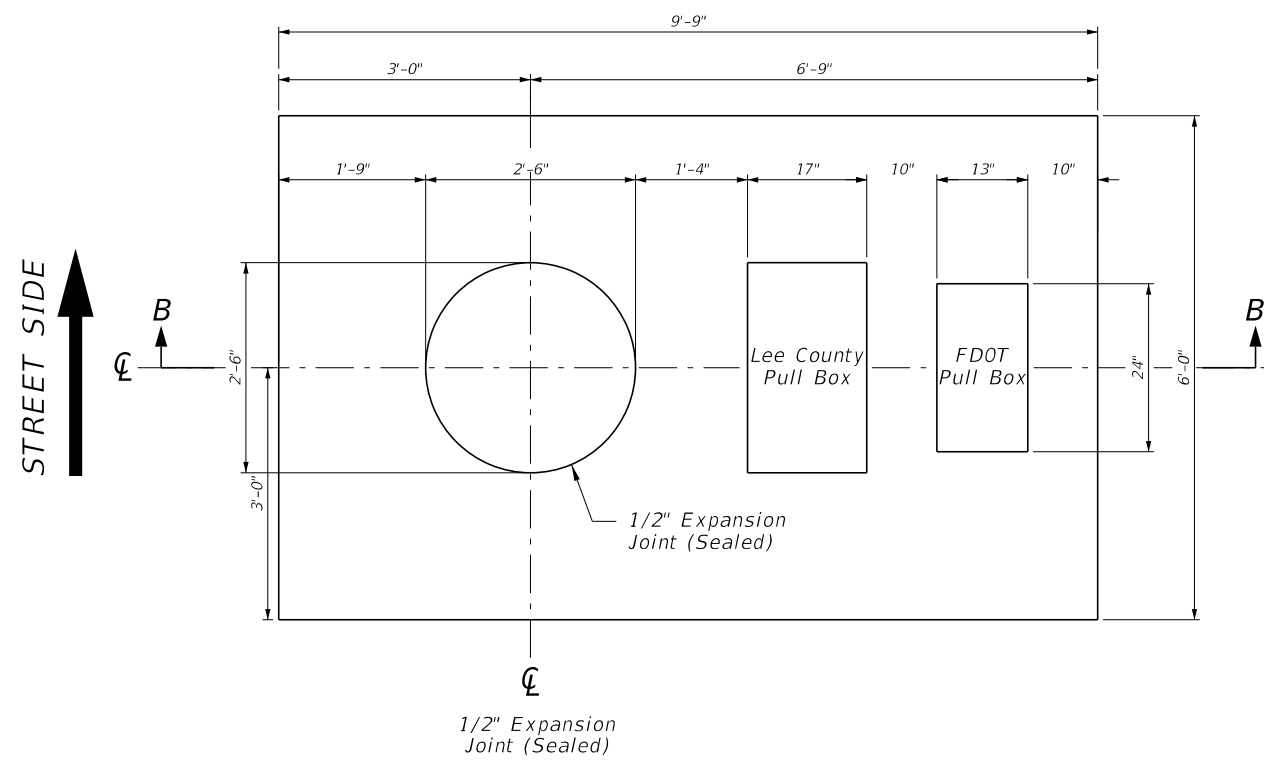
MATCHLINE STA. 35+60.00 (SHEET L-9)



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.	ENGINEER OF RECORD RICARDO J. GONZALEZ, P.E. LICENSE NUMBER: 65564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		LIGHTING PLAN	SHEET NO. L-13
	ROAD NO. SR 93	COUNTY LEE	FINANCIAL PROJECT ID 446296-2-52-01		

NOTES:

1. Use compacted select material in accordance with Index 120-001.
2. Concrete shall be Class NS with a minimum strength at 28 days of $f'c=2.5$ ksi.
3. Outside edge of slab shall be cast against formwork.
4. Slabs to be placed around all Poles and Pull Boxes. In urban areas or where space is limited slab dimensions may be adjusted as shown in the plans.
5. Concrete for slabs around poles and pull boxes shall be included in the price of pole or pull boxes.
6. The expansion joint shall consist of 1/2" of closed-cell polyethylene foam expansion material. The top 1/2" of expansion material shall be removed after pouring the slab and sealed with an APL approved Type A sealant meeting the requirements of Specification 932.



SLAB TYPE 1

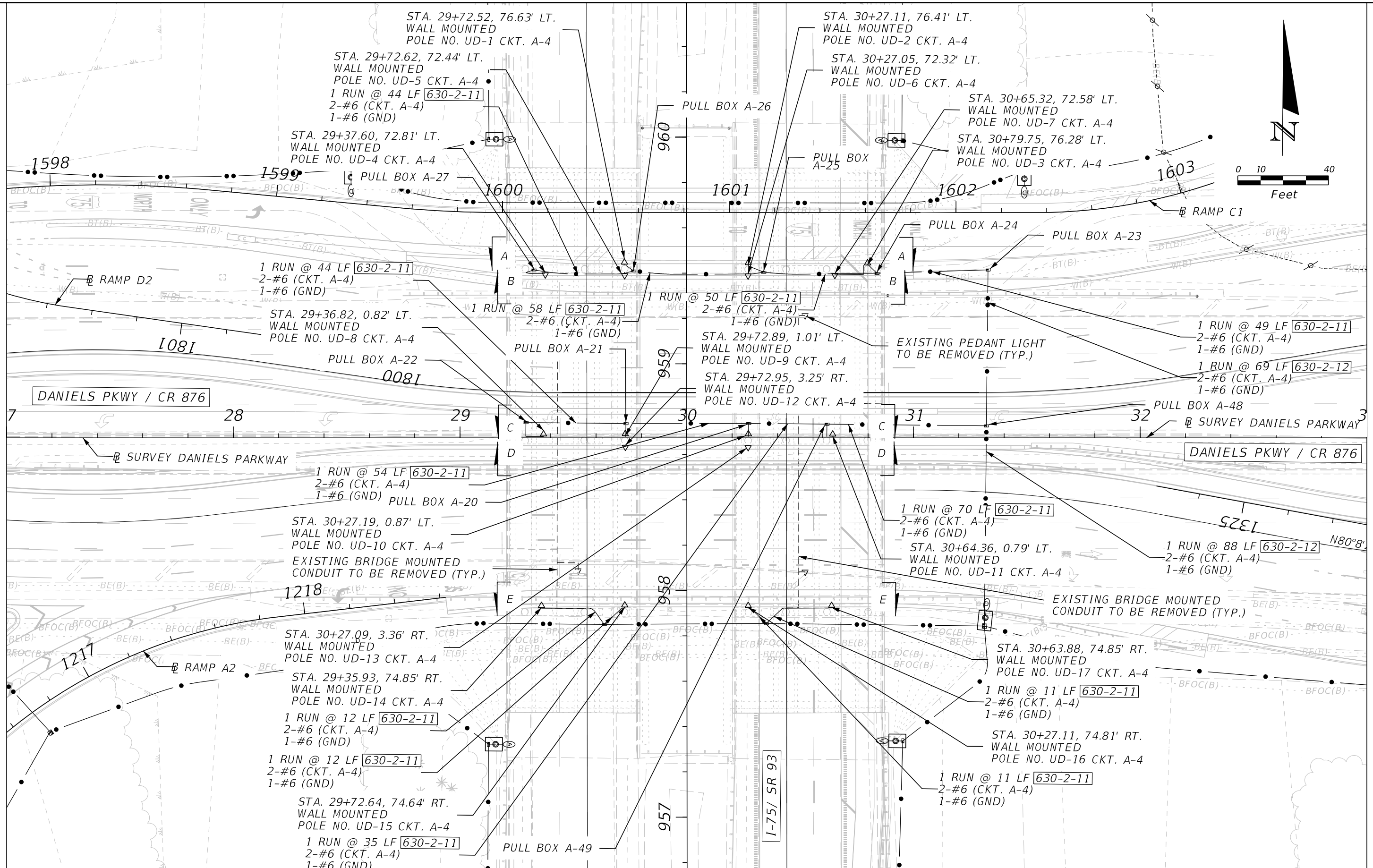
SLAB TYPE 2

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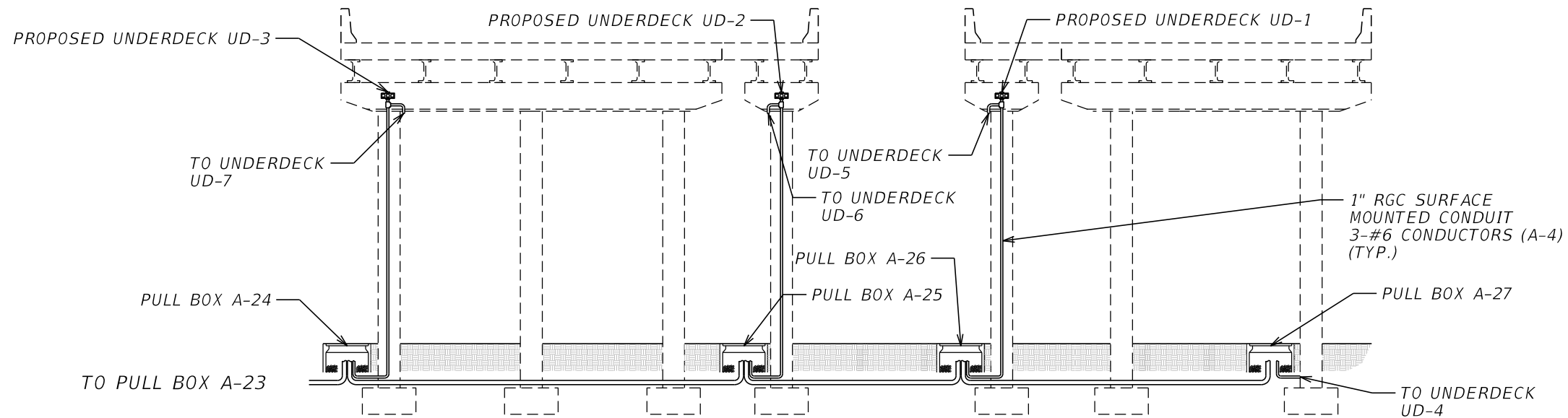
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO J. GONZALEZ, P.E. LICENSE NUMBER: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 93	LEE	446296-2-52-01	L-14
POLE DETAILS									

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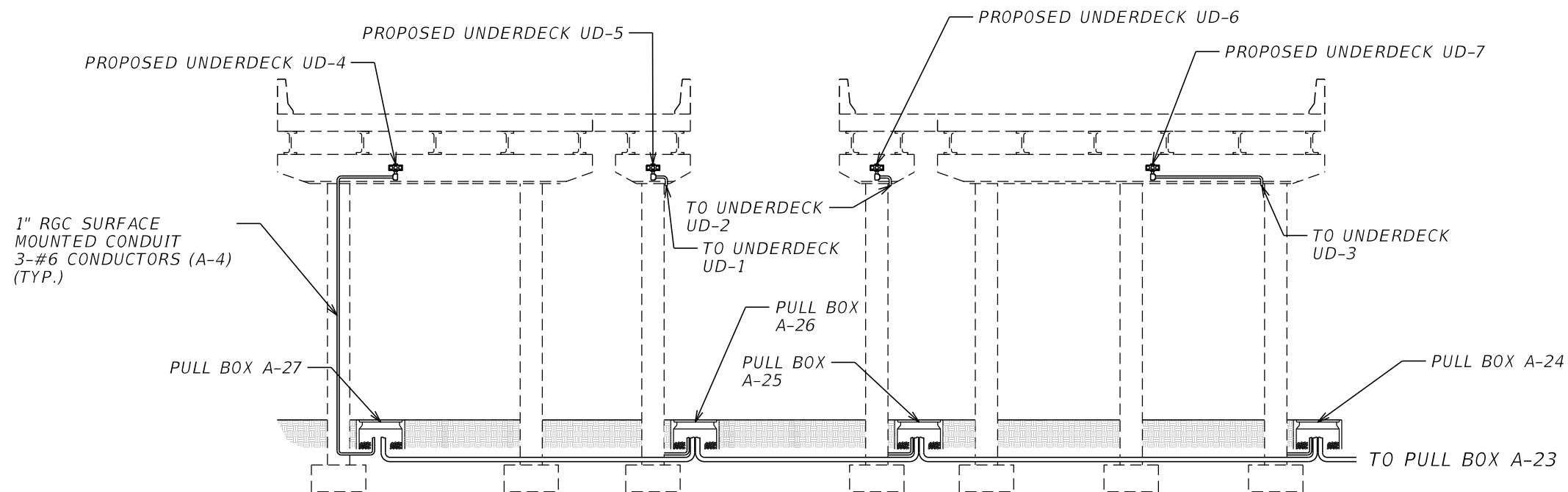


REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			UNDERDECK LIGHTING DETAILS	SHEET NO. L-15
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO J. GONZALEZ, P.E. LICENSE NUMBER 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 93	LEE	446296-2-52-01		

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I-75 - NORTH PIERS
SECTION A-A

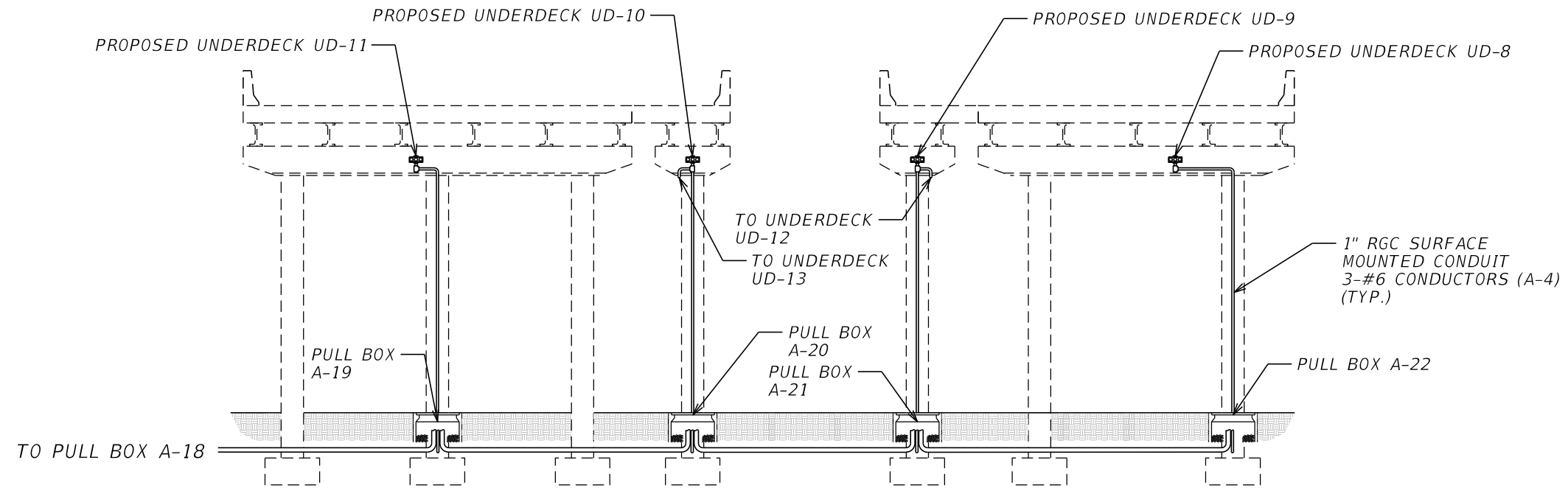


I-75 - NORTH PIERS
SECTION B-B

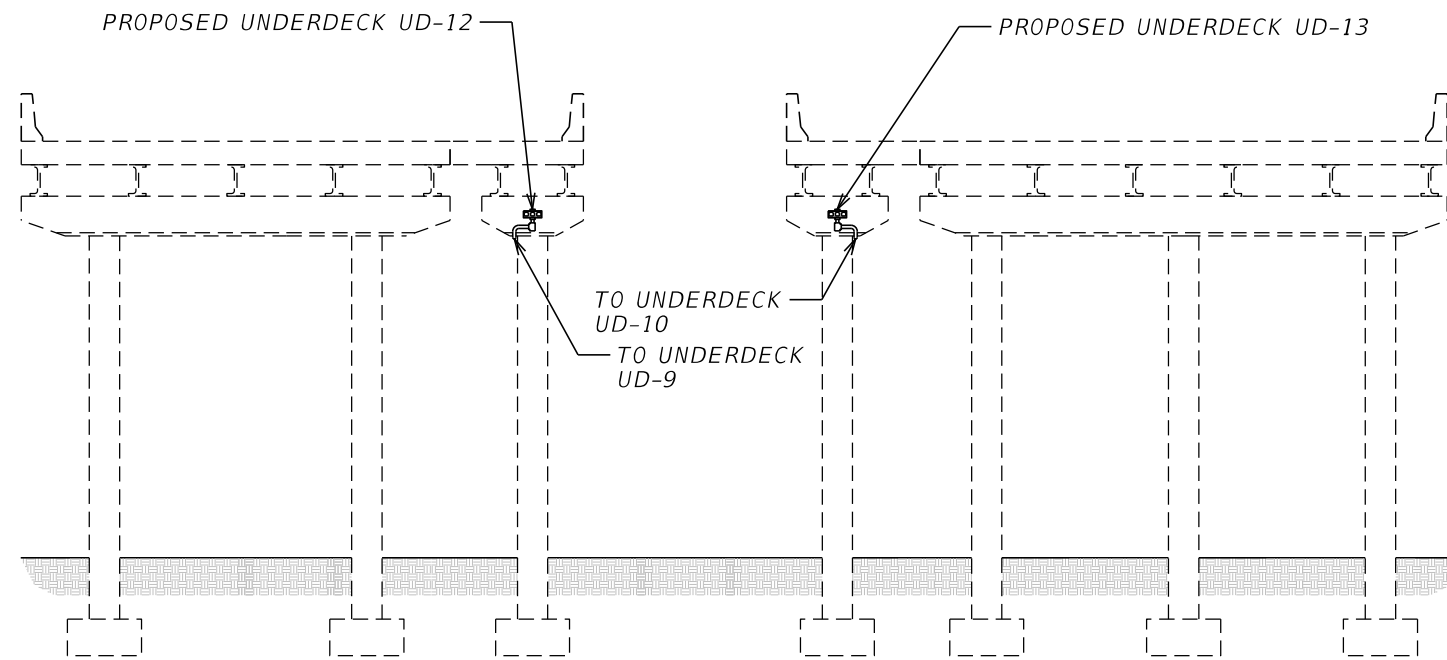
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO J. GONZALEZ, P.E. LICENSE NUMBER: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 93	LEE	446296-2-52-01	
UNDERDECK LIGHTING DETAILS									L-16



I-75 - CENTER PIERS
SECTION C-C

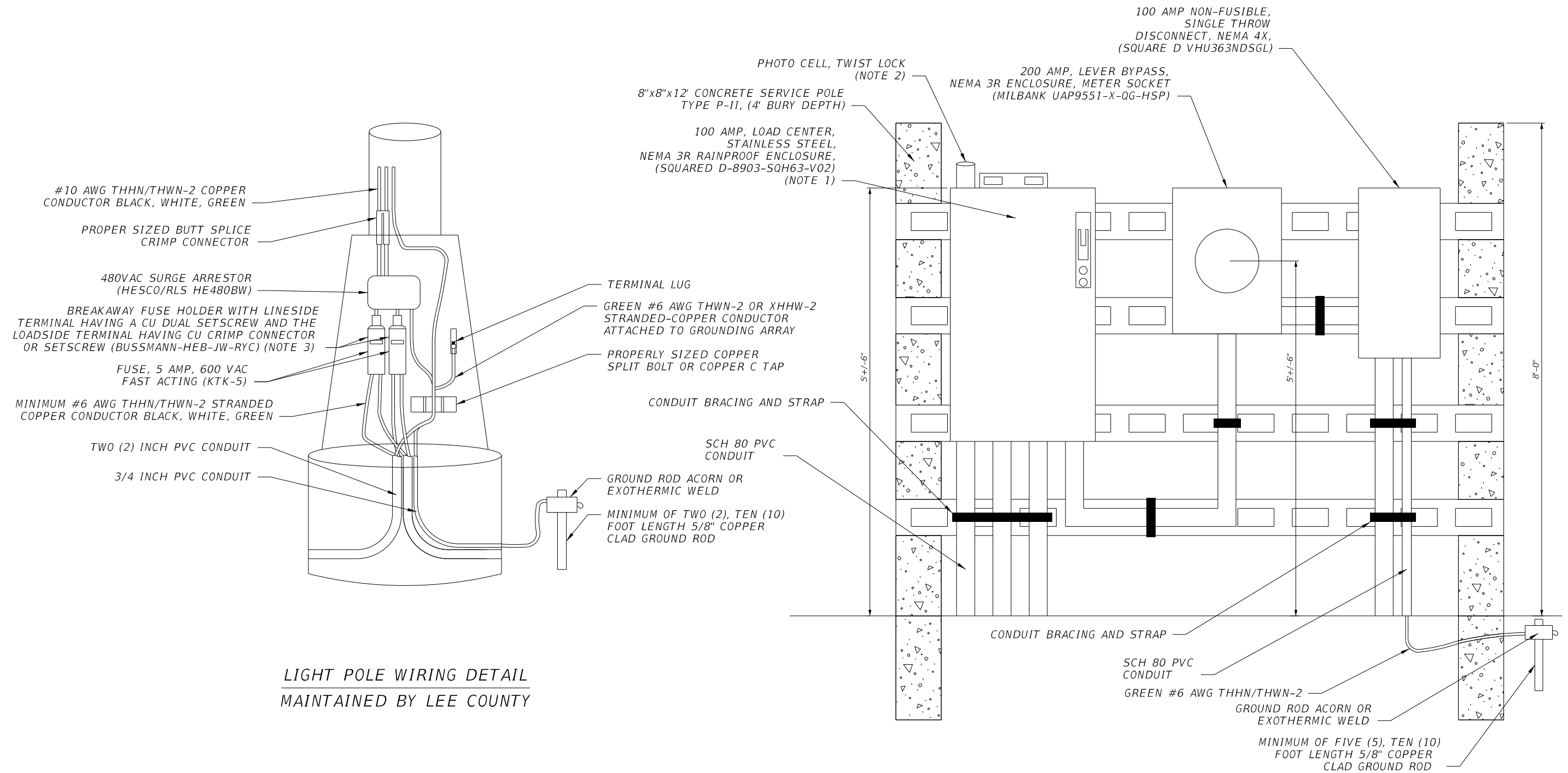


I-75 - CENTER PIERS
SECTION D-D

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REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				RICARDO J. GONZALEZ, P.E. LICENSE NUMBER: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224	SR 93	LEE	446296-2-52-01	UNDERDECK LIGHTING DETAILS L-17



LIGHT POLE WIRING DETAIL
MAINTAINED BY LEE COUNTY

LOAD CENTER B

NOTES:

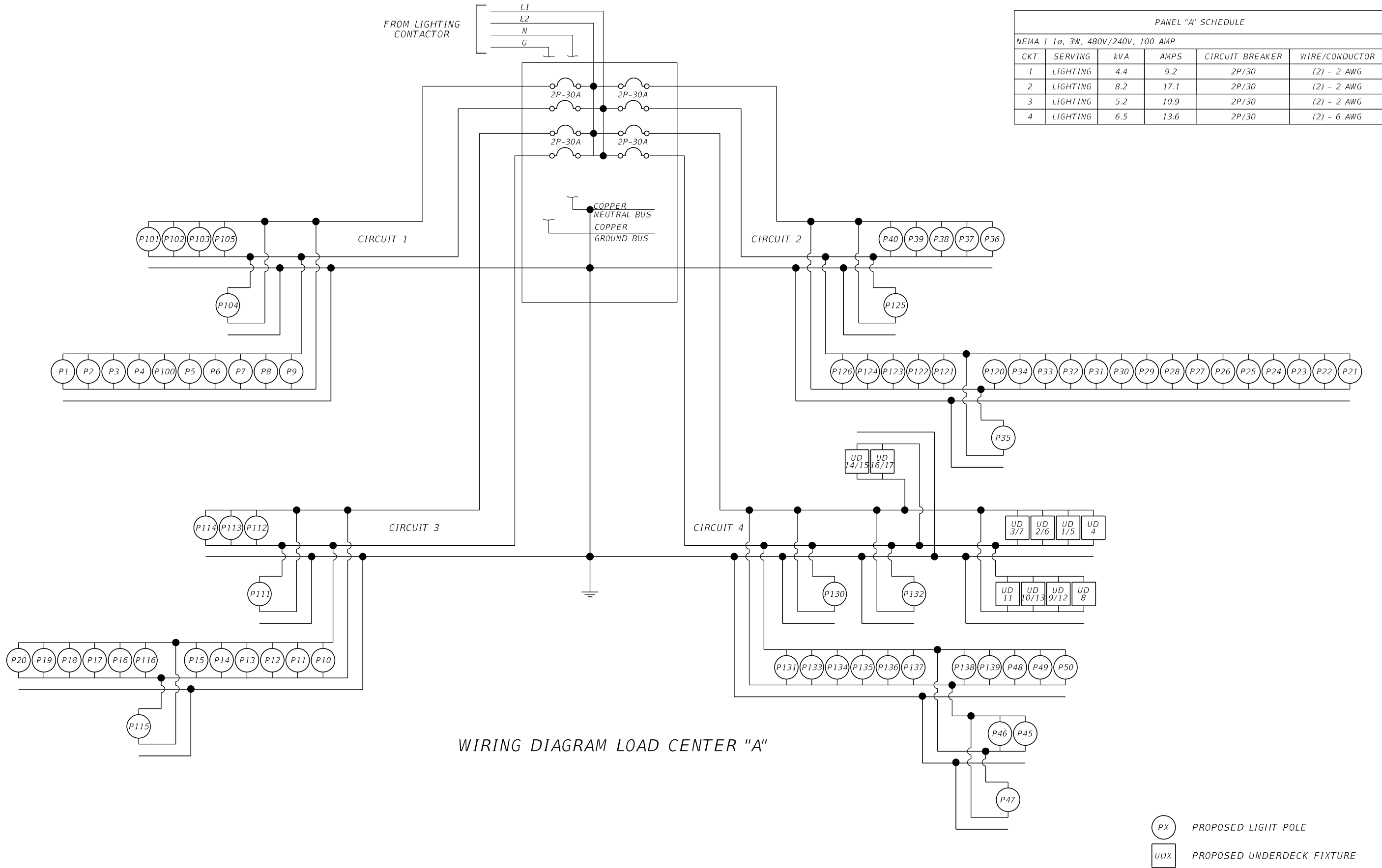
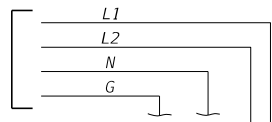
1. INCLUDE TWO (2) BUSSMANN FUSE BLOCKS, 3 POLE 30 AMP (R60030-3CR) AND ONE (1) SQUARE D SPD 40KA 480V (SDSA 3650) (MOUNTED INTERNALLY).
2. INCLUDE ONE (1) GE LIGHTING PHOTOELECTRIC MOUNTING BRACKET (MB-PECTL-GE) AND ONE (1) INTERMATIC 480V AC TWIST LOCK PHOTOCELL (LC4535LA) (PHOTOCELL SHALL BE MOUNTED EXTERNALLY ON TOP LEFT OF NIGHT-MASTER, WHEN FACING NIGHT-MASTER ACCESS DOOR).
3. FUSE HOLDERS ARE PROHIBITED FROM BEING INSTALLED IN PULL BOXES.

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO J. GONZALEZ, P.E. LICENSE NUMBER: 66564 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR 93	LEE	446296-2-52-01	
SERVICE POINT DETAILS									L-19

FROM LIGHTING CONTACTOR



PANEL "A" SCHEDULE					
NEMA 1 1ø, 3W, 480V/240V, 100 AMP					
CKT	SERVING	kVA	AMPS	CIRCUIT BREAKER	WIRE/CONDUCTOR
1	LIGHTING	4.4	9.2	2P/30	(2) - 2 AWG
2	LIGHTING	8.2	17.1	2P/30	(2) - 2 AWG
3	LIGHTING	5.2	10.9	2P/30	(2) - 2 AWG
4	LIGHTING	6.5	13.6	2P/30	(2) - 6 AWG

WIRING DIAGRAM LOAD CENTER "A"

- PX PROPOSED LIGHT POLE
- UDX PROPOSED UNDERDECK FIXTURE

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD
 RICARDO J. GONZALEZ
 LICENSE NUMBER 44444
 METRIC ENGINEERING, INC.
 11760 MARCO BEACH DRIVE, SUITE 1
 JACKSONVILLE, FLORIDA 32224

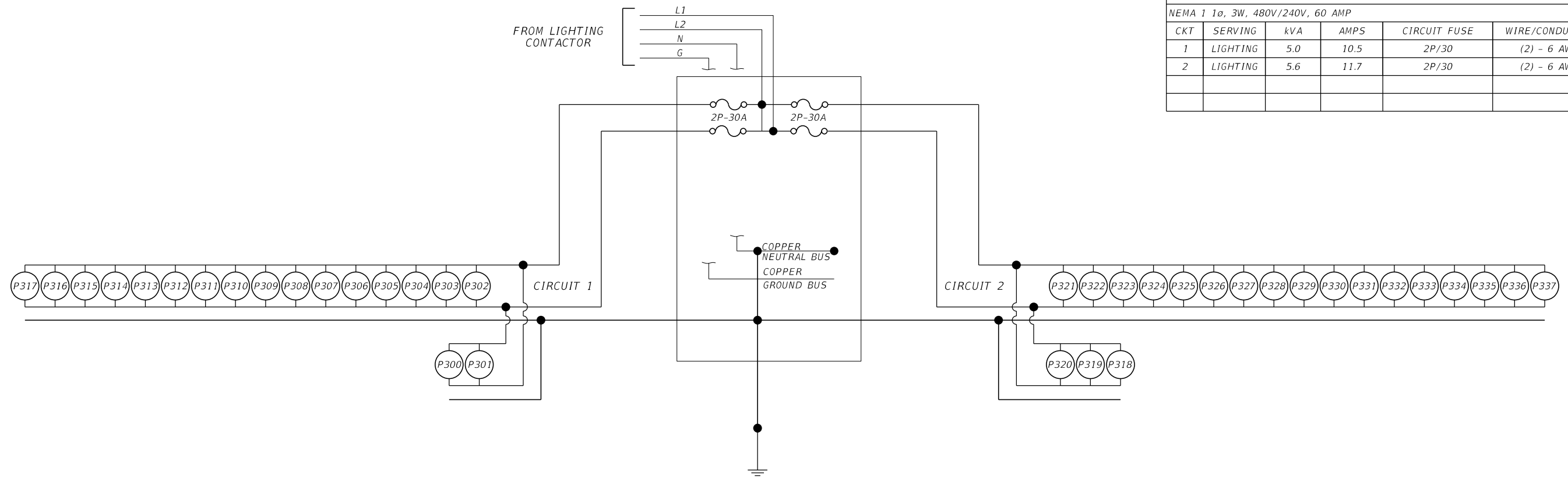
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 93	LEE	446296-2-52-01

**SERVICE POINT
DETAILS**

SHEET NO.
L-20

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PANEL "B" SCHEDULE					
NEMA 1 1ø, 3W, 480V/240V, 60 AMP					
CKT	SERVING	kVA	AMPS	CIRCUIT FUSE	WIRE/CONDUCTOR
1	LIGHTING	5.0	10.5	2P/30	(2) - 6 AWG
2	LIGHTING	5.6	11.7	2P/30	(2) - 6 AWG



WIRING DIAGRAM LOAD CENTER "B"

- PX PROPOSED LIGHT POLE
- UDX PROPOSED UNDERDECK FIXTURE

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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	RICARDO J. GONZALEZ LICENSE NUMBER 44444 METRIC ENGINEERING, INC. 11760 MARCO BEACH DRIVE, SUITE 1 JACKSONVILLE, FLORIDA 32224		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
								SR 93	
SERVICE POINT DETAILS									L-21