

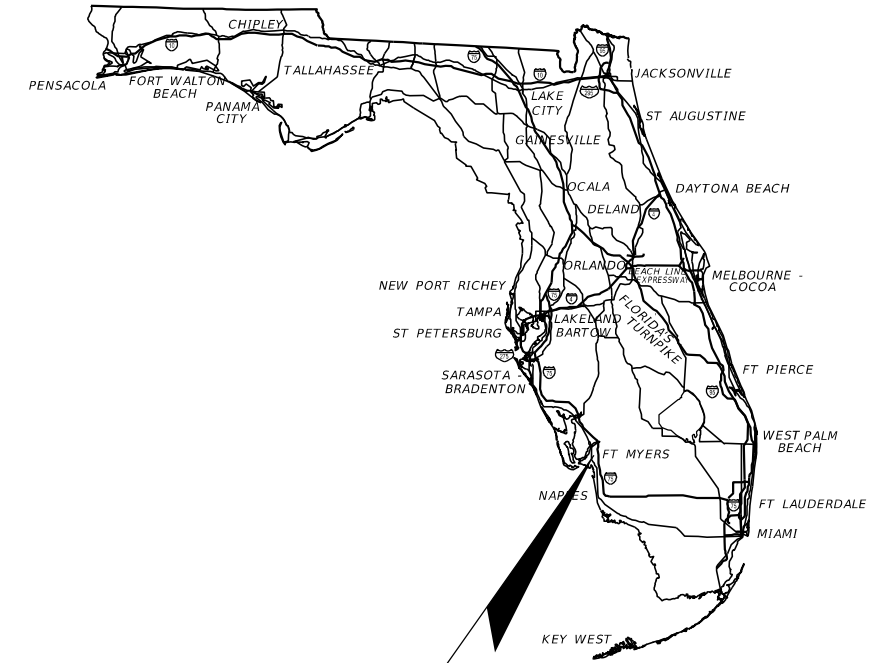
LEE COUNTY
DEPARTMENT OF TRANSPORTATION

ORTIZ AVENUE WIDENING

FROM SR 884 TO SR 82

LEE COUNTY
COUNTY ROAD NO. 865

LIGHTING PLANS



PROJECT LOCATION
<https://goo.gl/maps/pkUqGrXMQNMU8KZv7>

INDEX OF LIGHTING PLANS

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90% SUBMITTAL
APRIL 2021



LIGHTING PLANS
ENGINEER OF RECORD:
BURAK KONUK P.E.
P.E. NO.: 81581
KISINGER CAMPO & ASSOCIATES CORP.
CONSULTING ENGINEERS & PLANNERS
201 N. FRANKLIN STREET, SUITE 400
TAMPA, FL 33602
PHONE: (813) 871-5331
CONTRACT NO.: CN18-8479

LDOT PROJECT MANAGER:
ROBERT K. PHELAN, P.E.


SHEET
NO.

L-1

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

TABULATION OF QUANTITIES


PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			L-7		L-8		L-9		L-10		L-11		L-12		L-13		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	54		962		1064		1000		1097		616		483		5276			
630-2-12	CONDUIT, FFURNISH & INSTALL, DIRECTIONAL BORE	LF			92		56		275		42		41				506			
633-3-13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA							1								1			
635-2-11	PULL & SPLICE BOX, F&I, 17" x 30" COVER SIZE	EA			2		2		5		2		2				13			
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS							1								1			
641-2-11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 PEDESTAL	EA							2								2			
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO 8 - 6	LF	186		3426		3600		4233		3681		2163		1545		18834			
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA							1								1			
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH & INSTALL, CONVENTIONAL	EA							1								1			
715-511-140	LIGHT POLE COMPLETE- SPECIAL DESIGN, F&I, SINGLE ARM SHOULDER MOUNT, ALUMINUM, 40'	EA	1		6		4		5		4		1		2		23			
715-512-140	LIGHT POLE COMPLETE- SPECIAL DESIGN, F&I, DOUBLE ARM SHOULDER MOUNT, ALUMINUM, 40'	EA			1		2		2		3		3		2		13			

REVISIONS				 KCA KISINGER CAMPO & ASSOCIATES 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Florida Certificate of Authorization No. 02317 Engineer of Record: Burak Konuk, P.E. P.E. No.: 81581	LEE COUNTY			TABULATION OF QUANTITIES (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY	CONTRACT NO.		L-2
					CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479		

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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL			
			L-14		L-15		L-16		L-17		L-18		L-19		L-20		L-21		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	1084		1120		975		1090		1067		1040		1044		228		7648		12924	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	40				140		182		49		87		78				576		1082	
633-3-13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA							1										1		2	
635-2-11	PULL & SPLICE BOX, F&I, 17" x 30" COVER SIZE	EA	2				4		4		2		3		3				18		31	
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS							1										1		2	
641-2-11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 PEDESTAL	EA							2										2		4	
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO 8 - 6	LF	3612		3504		3711		4176		3693		3654		3651		732		26733		45567	
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA							1										1		2	
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH & INSTALL, CONVENTIONAL	EA							1										1		2	
715-511-140	LIGHT POLE COMPLETE- SPECIAL DESIGN, F&I, SINGLE ARM SHOULDER MOUNT, ALUMINUM, 40'	EA	2		3		4		6		4		5		3		1		28		51	
715-512-140	LIGHT POLE COMPLETE- SPECIAL DESIGN, F&I, DOUBLE ARM SHOULDER MOUNT, ALUMINUM, 40'	EA	4		3		2		1		2		2		3		1		18		31	

<p style="text-align: center;">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>KCA KISINGER CAMPO & ASSOCIATES</p> <p>201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Florida Certificate of Authorization No. 02317 Engineer of Record: Burak Konuk, P.E. P.E. No.: 81581</p>			<p style="text-align: center;">LEE COUNTY DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD</th> <th>COUNTY</th> <th>CONTRACT NO.</th> </tr> </thead> <tbody> <tr> <td>CR 865 (ORTIZ AVE.)</td> <td>LEE COUNTY</td> <td>CN18-8479</td> </tr> </tbody> </table>			ROAD	COUNTY	CONTRACT NO.	CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479	<p style="text-align: center;">TABULATION OF QUANTITIES (2)</p>		<p style="text-align: center;">SHEET NO. L-3</p>
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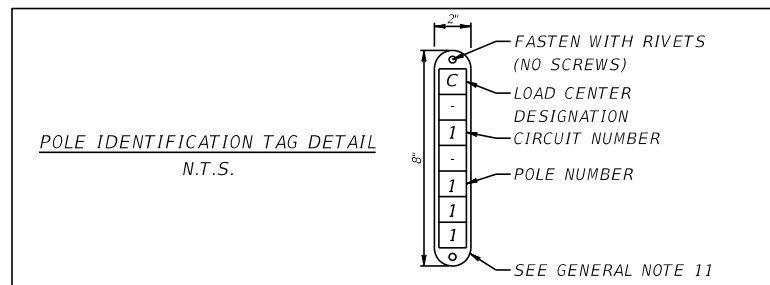
LIGHTING GENERAL NOTES


1. PRIOR TO ANY EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL EQUIPMENT SPECIFICATION OR DESIGN DATA FOR ALL MATERIAL PROPOSED FOR THE PROJECT. ALL SUBMITTALS SHALL BE SENT TO LEE COUNTY DOT TRAFFIC VIA LCDOTPROJECTS@LEEGOV.COM FOR REVIEW AND APPROVAL PRIOR TO ORDERING. THESE MUST SPECIFICALLY INCLUDE:
 - A. LUMINAIRE PHOTOMETRICS
 - B. POLE STRENGTH CALCULATIONS AND POLE SHOP DRAWINGS FOR PAY ITEMS 715-511-140 AND 715-512-140
 - C. POLE FRANGIBILITY TEST
 - D. ANCHOR BOLT DESIGN CALCULATIONS AND SHOP DRAWINGS
 - E. DISTRIBUTION POINT ELECTRICAL EQUIPMENT
2. 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. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY OWNER(S) FOR LOCATION AND STAKING OF UNDERGROUND FACILITIES BEFORE EXCAVATING.
3. STATE OF FLORIDA STATUTE 556 (2008) REQUIRES THAT BEFORE EXCAVATION, NOTICE BE GIVEN TO THE SUNSHINE STATE ONE CALL OF FLORIDA, INC. (SSOCOF) A MINIMUM OF TWO (2) FULL BUSINESS DAYS AT 1-800-432-4770. NOT ALL UTILITY COMPANIES ARE MEMBERS OF SSOCOF.
4. THE LOCATION OF THE POLES, CONDUCTORS, CONDUITS, JUNCTION BOXES, AND SERVICE POLES ARE DIAGRAMMATIC ONLY AND MAY BE SHIFTED BY THE ENGINEER TO ACCOMMODATE LOCAL CONDITIONS AND EXISTING UTILITY LOCATIONS.
5. ALUMINUM POLES, LUMINAIRES, AND BASES SHALL BE FABRICATED IN ACCORDANCE WITH AASHTO'S "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AND SHALL HAVE BEEN TESTED BY FHWA APPROVED METHODS (LATEST EDITION). CERTIFICATION FOR TESTS SHALL BE SUBMITTED WITH THE SHOP DRAWINGS.
6. SHOP DRAWING SUBMITTAL DATA SHALL INCLUDE COMPUTER PRINTOUT SHOWING HORIZONTAL FOOT CANDLE LEVELS TO BE OBTAINED USING SUBMITTED LUMINAIRES ON THIS PROJECT. AT FINAL INSPECTION THE CONTRACTOR SHALL VERIFY THE HORIZONTAL FOOT CANDLE LEVELS ON THE ROADWAY WITH AN APPROVED CURRENTLY CALIBRATED LIGHT METER AND SUBMIT REPORT FOR APPROVAL.
7. ALL ELECTRICAL WORK SHALL MEET ALL REQUIREMENTS OF THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC), THE NATIONAL ELECTRICAL SAFETY CODE (NESC) AND THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION. ALL COMPONENTS SHALL BE PROPERLY GROUNDED AND BONDED PER N.E.C. REQUIREMENTS.
8. 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.
9. THE CONTRACTOR SHALL NOTIFY FPL AT LEAST 48 HOURS PRIOR TO ANY INSTALLATION THAT IS WITHIN 20 FEET OF ENERGIZED ELECTRICAL CONDUCTORS. EXTREME CAUTION SHALL BE EXERCISED AT ALL TIMES IN PERFORMANCE OF WORK AROUND THE PRIMARY HIGH VOLTAGE COMPONENTS.
10. PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO THE JACKET AND MEET THE MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN THE RECOMMENDED BY THE NEC OR NESC FOR THE CABLE USED.
11. CONTRACTOR SHALL FURNISH AND INSTALL AN ALUMINUM IDENTIFICATION TAG ON EACH ROADWAY LIGHTING STANDARD. TAGS SHALL BE 2 INCHES X 8 INCHES IN SIZE WITH WHITE LETTERS ON BLUE BACKGROUND, ATTACHED WITH RIVETS (NO SCREWS). NUMBERS SHALL BE PER THE POLE IDENTIFICATION TAG DETAIL. COST OF TAGS SHALL BE INCLUDED IN THE BID ITEMS FOR THE LIGHT POLE COMPLETE. BOTTOM OF TAG SHALL BE INSTALLED 5 FEET ABOVE FINISHED GRADE. COORDINATE THE POLE NUMBER WITH LEE COUNTY MAINTENANCE.
12. THE CONTRACTOR SHALL STAKE ALL POLE LOCATIONS AND REQUEST UTILITY COMPANIES TO LOCATE AND STAKE UNDERGROUND UTILITIES PRIOR TO EXCAVATING.
13. DIRECTIONAL BORE OPERATIONS, IF USED, SHALL MEET THE REQUIREMENTS OF THE FDOT UTILITY ACCOMMODATION MANUAL (LATEST EDITION).
14. AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE WITHIN TWO FEET OF THE LIGHT POLE FOUNDATIONS OR CONDUIT RUNS, AS DETERMINED BY THE ENGINEER, THE CONTRACTOR WILL HAND DIG THE FIRST FOUR FEET OF THE HOLE FOR THE POLE FOUNDATION AND CONDUIT RUN.
15. AT CONDUIT TRENCHES SHALL BE BACKFILLED COMPLETELY TO PROVED SAFE CROSSING BY THE END OF EACH WORKING DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE. THE CONTRACTOR SHALL NOT OPEN ANY AREA THAT CANNOT BE BACKFILLED IN THE SAME WORK PERIOD.
16. ALL EXCESS DIRT AND DEBRIS EXCAVATED FROM POLE FOUNDATIONS SHALL BE REMOVED DAILY TO AREAS APPROVED BY THE ENGINEERS AND PAID FOR UNDER PAY ITED 715-512-140.

17. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL SIDE STREETS, PRIVATE AND COMMERCIAL DRIVEWAYS AT ALL TIMES DURING THE CONSTRUCTION OPERATION.
18. THE LIGHTING SYSTEM WILL BE MAINTAINED BY LEE COUNTY UPON FINAL ACCEPTANCE. THE CONTRACTOR SHALL SUBMIT "AS-BUILT" PLANS TO THE ENGINEER AND LEE COUNTY DOT TRAFFIC VIA LCDOTPROJECTS@LEEGOV.COM PRIOR TO FINAL ACCEPTANCE.
19. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD SHOP DRAWINGS DETAILING THE LAYOUT OF THE ELECTRICAL EQUIPMENT INSIDE THE DISTRIBUTION POINT LIGHTING ELECTRICAL ENCLOSURE.
20. ALL CONDUCTORS SHALL HAVE THWN-2 600 VOLT INSULATION.
21. CONDUIT LOCATIONS AS SHOWN ON THE PLANS ARE DIAGRAMMATIC. CONDUITS MUST BE PLACED WITHIN THE ROADWAY LIMITS, BUT CAN BE ADJUSTED TO FIT AROUND EXISTING AND PROPOSED UTILITIES. WHERE PLANNED LOCATION OF LIGHTING CONDUIT RUNS 36" UNDER PAVEMENT IS FOUND TO CONFLICT WITH UNDERGROUND UTILITIES, THE LIGHTING CONDUIT POSITION SHALL BE ALTERED VERTICALLY OR HORIZONTALLY TO AVOID THE CONFLICT AS RECOMMENDED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. A 24" ABSOLUTE MINIMUM DEPTH SHALL BE MAINTAINED WHERE LIGHTING CONDUITS ARE RELOCATED CLOSER THAN 36" BELOW THE GROUND SURFACE AND SHALL BE PLACED IN AN ADDITIONAL 3" PVC SLEEVE OR BACKFILLED WITH A MINIMUM OF 4" X 4" OF CONCRETE. COST OF SUCH TREATMENT WILL BE INCIDENTAL TO PAY ITEMS PROVIDED.
22. THE CONTRACTOR SHALL PREPARE ACCURATELY DIMENSIONED "AS-BUILT" PLANS OF FINAL POLE, CONTROLLER, AND CONDUIT LOCATIONS. "AS-BUILT" PLANS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO FINAL ACCEPTANCE. AFTER THE "AS-BUILT" PLANS ARE APPROVED, THE CONTRACTOR SHALL SUBMIT TWO COPIES TO THE RESIDENT ENGINEER AND ONE COPY TO THE LEE COUNTY MAINTENANCE. COST OF SUCH PREPARATION SHALL BE INCIDENTAL TO THE PAY ITEMS PROVIDED.
23. SPLICES AND CONNECTIONS MADE IN PULL BOXES SHALL BE LIMITED TO THE SERVICE POINT AND CONDUIT JUNCTION WITH MULTI-DIRECTIONAL CONDUITS AS INDICATED ON THE PLANS. THE SPLICES AND CONNECTION MADE AT THESE POINTS SHOULD BE PROPERLY TAPED, PROVIDED WITH HEAT SHRINK TUBES OR CAPS TO WATERPROOF THESE CONNECTIONS. SPLICES SHALL BE ENCAPSULATED.
24. ALL CONDUITS SHALL BE MANDREL TESTED AND CLEANED. CONDUIT PLACED FOR FUTURE USE SHALL HAVE 1/4" POLYESTER CORD PULLED IN PLACE AND CAPPED, WITH NOTATION INSIDE CONDUIT AS TO LOCATION OF OPPOSITE END. PLACE PULL BOXES TO MARK ENDS OF EMPTY CONDUITS.
25. THE CONTRACTOR SHALL CONTACT THE POWER COMPANY TO DETERMINE IF A SERVICE PROCESSING FEE IS REQUIRED. THE FEE SHALL BE INCLUDED AS PART OF PAYMENT FOR THE LOAD CENTER.
26. THE CONTRACTOR SHALL USE THE CONCRETE FOUNDATION PER INDEX 715-002 (SCREW TYPE FOUNDATION IS NOT ALLOWED).
27. ALL POLE FOUNDATIONS SHOULD BE 2" ABOVE GRADE AT ALL LOCATIONS. IF ADJUSTMENTS ARE NECESSARY PLEASE NOTIFY ENGINEER.
28. WHEN PRACTICAL, EXISTING LIGHTING IS TO REMAIN IN SERVICE DURING ALL PHASES OF CONSTRUCTION OR UNTIL NEW LIGHTING IS INSTALLED AND PLACED IN SERVICE.

CONVENTIONAL ROADWAY LIGHTING ILLUMINATION CRITERIA

AVERAGE INITIAL INTENSITY (HORIZONTAL FOOT CANDLES)	1.5 FOOT CANDLES
UNIFORMITY RATIO AVG./MIN.	4:1 OR LESS
MAX./MIN.	10:1 OR LESS
VEILING LUMINANCE RATIO	0.3:1 OR LESS
DESIGN WIND SPEED	160 MPH



REVISIONS				 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Florida Certificate of Authorization No. 02317 Engineer of Record: Burak Konuk, P.E. P.E. No.: 81581	LEE COUNTY			SHEET NO. GENERAL NOTES (1) L-4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY	CONTRACT NO.	
					CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479	

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PAY ITEM NOTES

630-2-11:

PVC CONDUIT SHALL BE SCHEDULE 40 OR SCHEDULE 80 APPROVED FOR ELECTRICAL USE (GRAY). NO THIN WALL CONDUIT IS ALLOWED. TWENTY (20) FOOT LENGTHS ON RUNS OVER TWENTY (20) FOOT SHALL BE USED. ALL PVC CONDUIT SHALL BE JOINED TOGETHER WITH LONG LINE COUPLINGS. ALL CONDUITS LARGER THAN 3/4 INCH SHALL HAVE END BELLS INSTALLED AT EACH END TO PROTECT THE CABLE.

630-2-12:

DIRECTIONAL BORE CONDUIT FOR GENERAL SIGNALIZATION AND STREET LIGHTING SHALL BE TWO (2) INCH CONTINUOUS HDPE SDR 13.5 AND SHALL BE GRAY IN COLOR. NO OTHER CONDUIT COLOR CAN BE USED UNLESS APPROVED BY LEE COUNTY DOT TRAFFIC IN WRITING. WHEN CONNECTING HDPE CONDUIT TO STANDARD PVC CONDUIT A REVERSE THREAD COUPLING OR E-LOC COUPLING SHALL BE USED. USE OF A STANDARD PVC COUPLING IS PROHIBITED.

635-2-11:

PULL BOXES SHALL BE POLYMER CONCRETE CONSTRUCTION (QUAZITE), HAVE ANSI TIER RATING OF T22 AND DESIGN LOAD RATING OF 22,500 LBS., NO EXCEPTIONS WILL BE PERMITTED. MINIMUM PULL BOX SIZE SHALL BE AS FOLLOWS:

- I. TRAFFIC SIGNAL AND STREET LIGHTING 17" X 30" X 12" - PG1730BA12

PULL BOX COVERS SHALL BE POLYMER CONCRETE CONSTRUCTION (QUAZITE), HAVE ANSI TIER RATING OF T22 AND DESIGN LOAD RATING OF 22,500 LBS., AND MARKED APPROPRIATELY, "TRAFFIC SIGNAL" OR "STREET LIGHTING", NO EXCEPTIONS WILL BE PERMITTED.

- I. 17" X 30" COVER - "TRAFFIC SIGNAL" - PG1730HH0046, "STREET LIGHTING" - PG1730HH0041

ALL PULL BOXES SHALL HAVE A CONCRETE APRON; THE APRON SHALL BE MINIMUM 1-FOOT WIDE X 6 INCHES DEEP. APRON SHALL BE LEVEL TO EXISTING GRADE AND HAVE A FINISHED EDGE AND SURFACE. ALL CONDUITS EXCEPT FOC CONDUIT SHALL BE PLUMBED, CENTERED AND NO LOWER/HIGHER THAN MIDPOINT IN THE PULL BOX.

639-1-122 AND 715-7-11:

ALL ELECTRIC SERVICES, AND LOAD CENTERS SHALL NOT BE PLACED IN DITCHES, DRAINAGE SLOPES, SWALES, OR WHERE SHEET OR STANDING WATER CAN INTRUDE. ROADWAY STREET LIGHTING ELECTRIC SERVICE/LOAD CENTER SHALL BE MOUNTED ON TWO (2) - EIGHT (8) INCH X EIGHT (8) INCH X TWELVE (12) FOOT CONCRETE SERVICE POLES. A 100 AMP 600 VAC RATED NEMA 3R NON-FUSIBLE SINGLE THROW SAFETY SWITCH DISCONNECT (SQUARE D - HU363RB) SHALL BE INSTALLED ON THE CONCRETE SERVICE POLES, ON THE LINESIDE OF THE METER SOCKET.

THE METER SOCKET SHALL BE A 200 AMP LEVER BYPASS NEMA 3R ENCLOSURE RATED FOR OUTDOOR USE (MILBANK UAP9551-X-QG-HSP). METER SOCKET SHALL BE INSTALLED ON THE LOAD SIDE OF SAFETY SWITCH DISCONNECT ON THE CONCRETE SERVICE POLES. THE ROADWAY STREET LIGHTING LOAD CENTER ENCLOSURE CABINET SHALL BE STAINLESS STEEL NEMA 3R RAINPROOF ENCLOSURE AND APPROVED BY LEE COUNTY DOT TRAFFIC.

THE FOLLOWING IS LEE COUNTY DOT TRAFFIC APPROVED ROADWAY STREET LIGHTING LOAD CENTER WITH NEEDED COMPONENTS:

- A. SQUARE D NIGHT-MASTER LONG VERSION (8903-SQH63-V06)
- B. BUSSMANN FUSE BLOCK 3 POLE 30 AMP (R60030-3CR) ONE (1) PER EACH CIRCUIT (FOUR (4) CIRCUITS MAX PER LOAD CENTER)
- C. ONE (1) SQUARE D SPD 40KA 480V (SDSA3650) (MOUNTED INTERNALLY)
- D. ONE (1) GE LIGHTING PHOTOELECTRIC MOUNTING BRACKET (MB-PECTL-GE)
- E. ONE (1) INTERMATIC 480VAC TWIST LOCK PHOTO CELL (LC4535LA)
(PHOTO CELL SHALL BE MOUNTED EXTERNALLY ON TOP LEFT OF NIGHT-MASTER, WHEN FACING NIGHT-MASTER ACCESS DOOR)

ALL LOAD CENTERS SHALL HAVE A MINIMUM FIVE (5), TEN (10) FOOT LENGTH 5/8" COPPER CLAD GROUND ROD INSTALLED, AND SHALL HAVE A GROUND RESISTANCE READING OF 5 OHMS OR LESS.

715-500-1:

ALL DOUBLE STREETLIGHT ARM POLES SHALL HAVE SIX (6) #10 AWG (THHN/THWN-2) 2-BLACK, 2-WHITE, AND 2-GREEN WIRE FROM LUMINAIRE TO T-BASE, AND SHALL INCLUDE ONE (1) BREAKAWAY FUSE HOLDER WITH LINESIDE TERMINAL HAVING A CU DUAL SETSCREW AND THE LOADSIDE TERMINAL HAVING CU CRIMP CONNECTOR. (BUSSMANN - HEB-AW-RYC) AND HAVE ONE (1) BREAKAWAY NEUTRAL FUSE HOLDER WITH PERMANENTLY INSTALLED SOLID NEUTRAL, WITH LINESIDE TERMINAL HAVING A CU DUAL SETSCREW AND THE LOADSIDE TERMINAL HAVING CU CRIMP CONNECTOR (BUSSMANN-HET-AW-RYC) FOR EACH LUMINAIRE AND SHALL BE LOCATED IN THE HAND HOLE COMPARTMENT OF T-BASE. A 480VAC SURGE ARRESTOR (ASCO MODEL 235 - 235480LF030AWLNO) OR (HESCO/RLS HE480BW) AND SHALL BE INSTALLED USING BUTT CRIMP CONNECTORS.

STREET LIGHT POLE ASSEMBLY SHALL BE GROUNDED USING A #6 GREEN AWG WIRE FROM GROUND TO THE T-BASE GROUND TERMINAL LUG.


ALL STREET LIGHT POLES SHALL HAVE A MINIMUM OF TWO (2), TEN (10) FOOT LENGTH 5/8" COPPER CLAD GROUND ROD SHALL BE INSTALLED, AND SHALL HAVE A GROUND RESISTANCE READING OF 15 OHMS OR LESS.

ALL SINGLE STREETLIGHT ARM POLES SHALL HAVE THREE (3) #10 AWG (THHN/THWN-2) 1-BLACK, 1-WHITE, AND 1-GREEN WIRE FROM LUMINAIRE TO T-BASE, AND SHALL INCLUDE ONE (1) BREAKAWAY FUSE HOLDER WITH LINESIDE TERMINAL HAVING A CU DUAL SETSCREW AND THE LOADSIDE TERMINAL HAVING CU CRIMP CONNECTOR. (BUSSMANN - HEB-AW-RYC) AND HAVE ONE (1) BREAKAWAY NEUTRAL FUSE HOLDER WITH PERMANENTLY INSTALLED SOLID NEUTRAL, WITH LINESIDE TERMINAL HAVING A CU DUAL SETSCREW AND THE LOADSIDE TERMINAL HAVING CU CRIMP CONNECTOR (BUSSMANN-HET-AW-RYC) FOR EACH LUMINAIRE AND SHALL BE LOCATED IN THE HAND HOLE COMPARTMENT OF T-BASE. A 480VAC SURGE ARRESTOR (ASCO MODEL 235 - 235480LF030AWLNO) OR (HESCO/RLS HE480BW) AND SHALL BE INSTALLED USING BUTT CRIMP CONNECTORS.

STREET LIGHT POLE ASSEMBLY SHALL BE GROUNDED USING A #6 GREEN AWG WIRE FROM GROUND TO THE T-BASE GROUND TERMINAL LUG. ALL STREET LIGHT POLES SHALL HAVE A MINIMUM OF TWO (2), TEN (10) FOOT LENGTH 5/8" COPPER CLAD GROUND ROD SHALL BE INSTALLED, AND SHALL HAVE A GROUND RESISTANCE READING OF 15 OHMS OR LESS.

715-511-140 AND 715-512-140:

LEE COUNTY PREFERS HAPCO POLE PRODUCTS FOR T-BASE, POLE AND ARMS. ALL STREETLIGHTS SHALL NOT BE PLACED IN DITCHES, DRAINAGE SLOPES, SWALES, OR WHERE SHEET OR STANDING WATER CAN INTRUDE. ALL STREETLIGHT FIXTURES SHALL BE HOLOPHANE MONGOOSE LED MEDIUM P3 (MGLEDM_P3_40K_480_WR_VH_GRSD_AO_NL).

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LIGHTING DATA


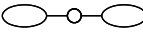

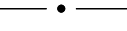



POLE NO.	CIRCUIT	STATION	ARM LENGTH (FT)	LUMINAIRE WATTAGE	MOUNTING HEIGHT (FT)	POLE SETBACK	PAY ITEM
1B1	A-1	14+61	8'	1 X 255 W	40'	20' RT COP TO EOT	715-511-140
1B2	A-1	13+40	8'	1 X 255 W	40'	20' RT COP TO EOT	715-511-140
1A1	A-1	14+74	8'	1 X 255 W	40'	36' LT COP TO EOT	715-511-140
1A	A-1	16+12	8'	1 X 255 W	40'	20' LT COP TO EOT	715-511-140
1B	A-1	15+95	8'	1 X 255 W	40'	16' RT COP TO EOT	715-511-140
2A1	A-1	17+12	8'	1 X 255 W	40'	22' LT COP TO EOT	715-511-140
2A	A-1	18+39	8'	1 X 255 W	40'	29' RT COP TO EOT	715-511-140
2B	A-1	18+40	8'/0'	1 X 255 W	40'	21' RT COP TO EOT	715-512-140
3	A-1	20+20	8'/0'	2 X 255 W	40'	21' RT COP TO EOT	715-512-140
4	A-1	20+20	8'	1 X 255 W	40'	30' LT COP TO EOT	715-511-140
5	A-1	22+00	8'/0'	2 X 255 W	40'	21' RT COP TO EOT	715-512-140
6	A-1	22+00	8'	1 X 255 W	40'	14' LT COP TO EOT	715-511-140
7	A-1	23+80	8'	1 X 255 W	40'	14' LT COP TO EOT	715-511-140
8	A-2	24+10	8'	1 X 255 W	40'	28' RT COP TO EOA	715-511-140
9	A-2	25+59	8'	1 X 255 W	40'	14' LT COP TO EOT	715-512-140
10	A-2	25+75	8'	1 X 255 W	40'	21' RT COP TO EOT	715-512-140
11	A-2	27+40	8'/0'	2 X 255 W	40'	24' LT COP TO EOT	715-512-140
12	A-2	27+41	8'	1 X 255 W	40'	20' RT COP TO EOT	715-511-140
13	A-2	29+20	8'	1 X 255 W	40'	34' RT COP TO EOT	715-511-140
14	A-2	29+19	8'/0'	1 X 255 W	40'	24' LT COP TO EOT	715-512-140
15	A-2	30+60	8'	1 X 255 W	40'	31' RT COP TO EOT	715-511-140
16	A-2	31+00	8'/0'	2 X 255 W	40'	24' LT COP TO EOT	715-512-140
17	A-2	32+40	8'	1 X 255 W	40'	28' RT COP TO EOA	715-511-140
18	A-2	33+00	8'/0'	1 X 255 W	40'	24' LT COP TO EOT	715-512-140
19	A-2	34+50	8'	1 X 255 W	40'	38' LT COP TO EOT	715-511-140
20	A-2	34+80	8'	2 X 255 W	40'	24' RT COP TO EOT	715-511-140
21	A-2	36+31	8'/0'	2 X 255 W	40'	20' RT COP TO EOT	715-512-140
22	A-2	36+35	8'	1 X 255 W	40'	28' LT COP TO EOT	715-511-140
23	A-2	38+00	8'/0'	2 X 255 W	40'	27' RT COP TO EOT	715-512-140
24	B-1	38+00	8'0'	1 X 255 W	40'	14' LT COP TO EOT	715-512-140
25	B-1	40+10	8'/0'	2 X 255 W	40'	20' RT COP TO EOT	715-512-140
26	B-1	39+70	8'	1 X 255 W	40'	29' LT COP TO EOT	715-511-140
27	B-1	56+40	8'	2 X 255 W	40'	21' RT COP TO EOT	715-511-140
28	B-1	56+40	8'/0'	1 X 255 W	40'	20' RT COP TO EOT	715-512-140
29	B-1	58+18	8'	2 X 255 W	40'	21' LT COP TO EOT	715-511-140
29A	B-1	58+23	8'/0'	1 X 255 W	40'	20' RT COP TO EOT	715-512-140
30	B-1	60+21	8'/0'	2 X 255 W	40'	20' RT COP TO EOT	715-512-140
31	B-1	59+99	8'/0'	1 X 255 W	40'	20' LT COP TO EOT	715-512-140
32	B-1	62+08	8'	1 X 255 W	40'	31' LT COP TO EOT	715-511-140
33	B-1	62+12	8'/0'	2 X 255 W	40'	20' RT COP TO EOT	715-512-140
34	B-1	64+00	8'/0'	2 X 255 W	40'	21' RT COP TO EOT	715-512-140
35	B-1	64+00	8'	1 X 255 W	40'	28' LT COP TO EOT	715-511-140
36	B-1	65+58	8'	1 X 255 W	40'	27' LT COP TO EOT	715-511-140
37	B-1	65+61	8'/0'	1 X 255 W	40'	20' RT COP TO EOT	715-512-140
38	B-1	67+39	8'/0'	1 X 255 W	40'	20' RT COP TO EOT	715-512-140
39	B-1	67+40	8'	1 X 255 W	40'	27' LT COP TO EOT	715-511-140
40	B-1	68+98	8'/0'	1 X 255 W	40'	21' RT COP TO EOA	715-512-140
41	B-1	69+02	8'	1 X 255 W	40'	26' LT COP TO EOT	715-511-140
42	B-1	70+60	8'	2 X 255 W	40'	14' RT COP TO EOT	715-511-140
43	B-1	70+60	8'	1 X 255 W	40'	21' LT COP TO EOT	715-511-140
44	B-1	72+09	8'	1 X 255 W	40'	14' LT COP TO EOT	715-511-140
45	B-1	72+10	8'/0'	2 X 255 W	40'	33' RT COP TO EOT	715-512-140
46	B-1	74+00	8'	1 X 255 W	40'	14' LT COP TO EOT	715-511-140
47	B-1	74+00	8'/0'	2 X 255 W	40'	21' LT COP TO EOT	715-512-140
48	B-1	76+10	8'	1 X 255 W	40'	32' LT COP TO EOT	715-511-140

COP = CENTER OF POLE
 EOA = EDGE OF AUXILIARY LANE
 EOT = EDGE OF TRAVEL LANE
 FOP = FACE OF POLE

LIGHTING DATA

POLE NO.	CIRCUIT	STATION	ARM LENGTH (FT)	LUMINAIRE WATTAGE	MOUNTING HEIGHT (FT)	POLE SETBACK	PAY ITEM
49	B-1	76+14	8'/0'	2 X 255 W	40'	18' RT COP TO EOT	715-512-140
50	B-1	77+70	8'	1 X 255 W	40'	27' LT COP TO EOT	715-511-140
51	B-1	77+70	8'	1 X 255 W	40'	34' RT COP TO EOT	715-511-140
52	B-1	79+20	8'	1 X 255 W	40'	34' RT COP TO EOT	715-511-140
53	B-2	79+80	8'	1 X 255 W	40'	29' LT COP TO EOT	715-511-140
54	B-2	80+80	8'	1 X 255 W	40'	32' RT COP TO EOT	715-511-140
55	B-2	82+10	8'	1 X 255 W	40'	28' LT COP TO EOT	715-511-140
56	B-2	82+00	8'	1 X 255 W	40'	34' RT COP TO EOT	715-511-140
57	B-2	83+50	8'	1 X 255 W	40'	27' LT COP TO EOT	715-511-140
58	B-2	83+50	8'/0'	1 X 255 W	40'	25' RT COP TO EOT	715-512-140
59	B-2	85+10	8'	1 X 255 W	40'	27' LT COP TO EOT	715-511-140
60	B-2	85+10	8'/0'	1 X 255 W	40'	26' RT COP TO EOT	715-512-140
61	B-2	86+99	8'/0'	2 X 255 W	40'	30' RT COP TO EOT	715-512-140
62	B-2	87+01	8'	1 X 255 W	40'	29' LT COP TO EOT	715-511-140
63	B-2	88+64	8'	2 X 255 W	40'	25' LT COP TO EOT	715-511-140
64	B-2	89+23	8'/0'	1 X 255 W	40'	26' RT COP TO EOT	715-512-140
65	B-2	90+50	8'	1 X 255 W	40'	21' LT COP TO EOT	715-511-140
66	B-2	91+33	8'	1 X 255 W	40'	14' RT COP TO EOT	715-511-140
67	B-2	92+10	8'	1 X 255 W	40'	21' LT COP TO EOT	715-511-140
68	B-2	93+40	8'/0'	1 X 255 W	40'	27' RT COP TO EOT	715-512-140
69	B-2	93+90	8'	1 X 255 W	40'	28' LT COP TO EOT	715-511-140
70	B-2	95+60	8'/0'	1 X 255 W	40'	14' RT COP TO EOT	715-512-140
71	B-2	95+60	8'	1 X 255 W	40'	30' LT COP TO EOT	715-511-140
72	B-2	97+20	8'/0'	1 X 255 W	40'	16' RT COP TO EOT	715-512-140
73	B-2	97+20	8'	1 X 255 W	40'	33' LT COP TO EOT	715-511-140
74	B-2	98+90	8'/0'	1 X 255 W	40'	16' RT COP TO EOT	715-512-140
75	B-2	99+40	8'	1 X 255 W	40'	33' LT COP TO EOT	715-511-140

LIGHTING LEGEND

SYMBOLS	DESCRIPTION
	THE BASIS OF DESIGN USED WAS: MANUFACTURER: HOLOPHANE MGLED, MODEL: MONGOOSE MEDIUM LED P4, SINGLE ARM LIGHT POLE, PHOTOMETRIC CURVE: R2 TOP MOUNTED FIXTURE, 180 WATT, 480 VOLT, 40' MOUNTING HEIGHT. FILE NAME: MGLEDM_P4_40K_XXXXX_WR. IES.
	THE BASIS OF DESIGN USED WAS: MANUFACTURER: HOLOPHANE MGLED, MODEL: MONGOOSE MEDIUM LED P3, PHOTOMETRIC CURVE: R2 SINGLE ARM ON ROADWAY SIDE, 180 WATT AND TOP MOUNTED FIXTURE ON SIDEWALK SIDE, 155 WATT, 480 VOLT, 40' MOUNTING HEIGHT. FILE NAME: MGLEDM_P3_40K_XXXXX_WR. IES.
	2" HDPE CONDUIT, DIRECTIONAL BORE, WITH CONDUCTORS INSIDE (CONDUIT AND CONDUCTOR SIZE AS SHOWN ON PLAN SHEETS). RUN ONE COPPER BOND CONDUCTOR (TW GREEN INSULATION) INSIDE CONDUIT WITH OTHER CONDUCTORS.
	2" SCH. 40 PVC CONDUIT, OPEN TRENCH, WITH CONDUCTORS INSIDE (CONDUIT AND CONDUCTOR SIZE AS SHOWN ON PLAN SHEETS). RUN ONE COPPER BOND CONDUCTOR (TW GREEN INSULATION) INSIDE CONDUIT WITH OTHER CONDUCTORS.
	PULL BOX.
	PROPOSED LOAD CENTER RATED FOR 240 / 480V OPERATION, SINGLE PHASE, 3 WIRE.
	EXISTING POWER POLE.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

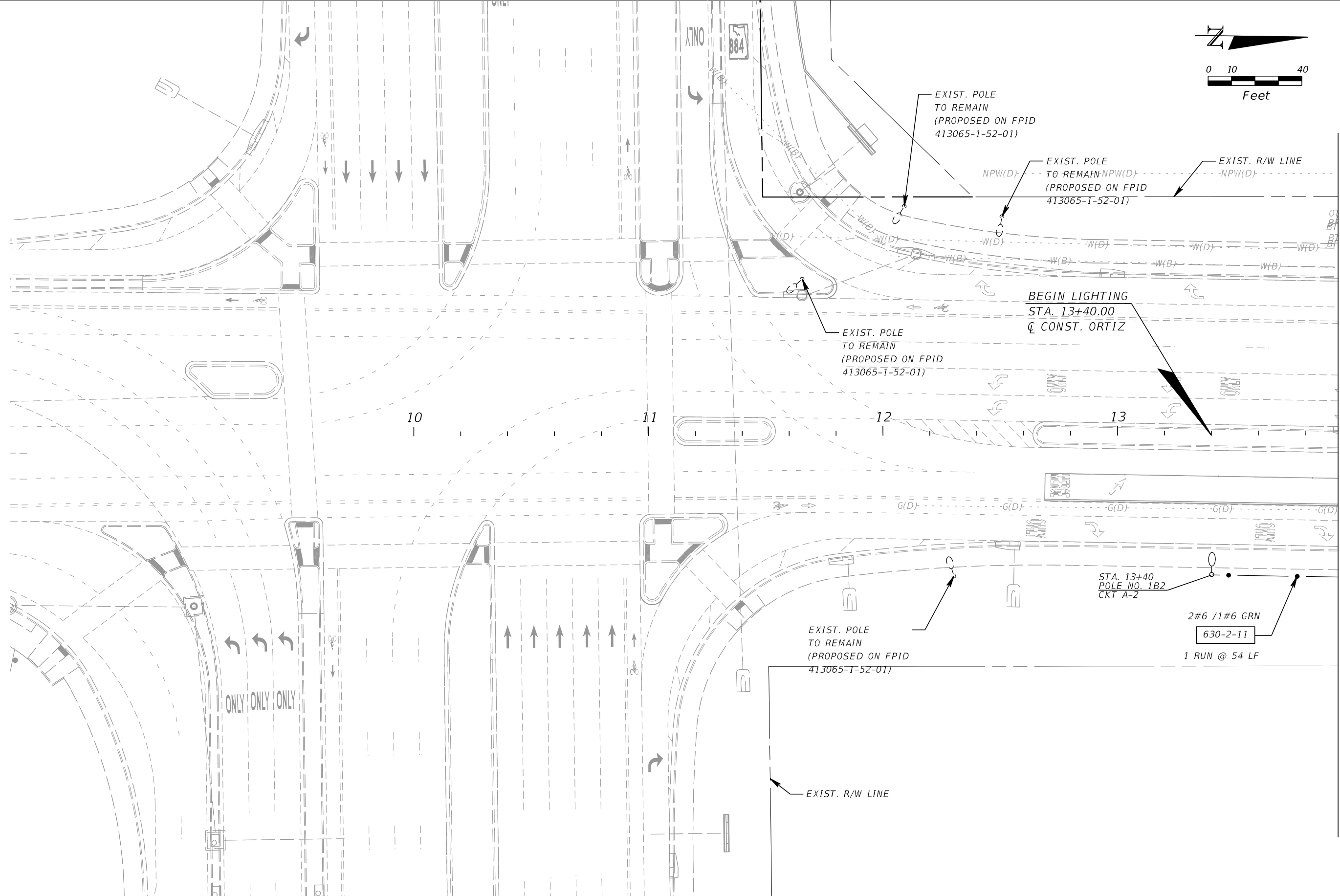
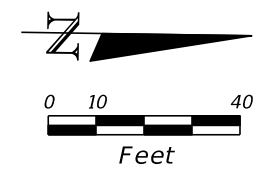
KCA
 KISINGER CAMPO & ASSOCIATES
 201 N. Franklin Street, Suite 400
 Tampa, Florida 33602
 Florida Certificate of Authorization No. 02317
 Engineer of Record: Burak Konuk, P.E.
 P.E. No.: 81581

LEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 ROAD: CR 865 (ORTIZ AVE.)
 COUNTY: LEE COUNTY
 CONTRACT NO.: CN18-8479

POLE DATA & LIGHTING LEGEND

SHEET NO.
L-6

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



REVISIONS	
DATE	DESCRIPTION

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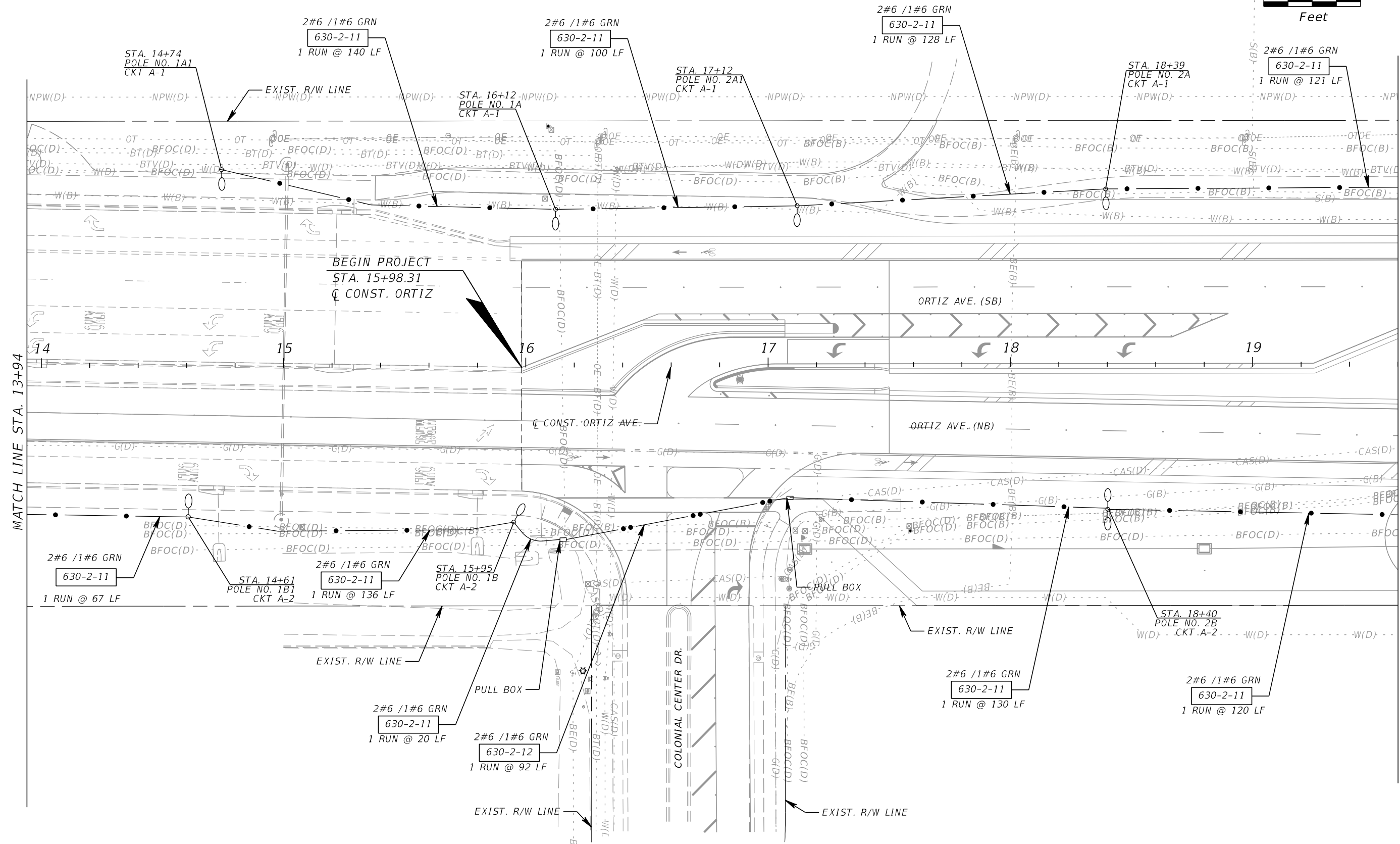
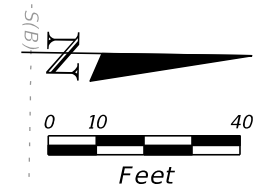
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Florida Certificate of Authorization No. 02317
Engineer of Record: Burak Konuk, P.E.
P.E. No.: 81581

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

LIGHTING PLAN (1)

SHEET NO.
L-7

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MATCH LINE STA. 13+94

MATCH LINE STA. 19+60

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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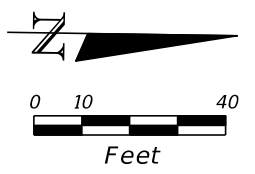
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Florida Certificate of Authorization No. 02317
Engineer of Record: Burak Konuk, P.E.
P.E. No.: 81581

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

LIGHTING PLAN (2)

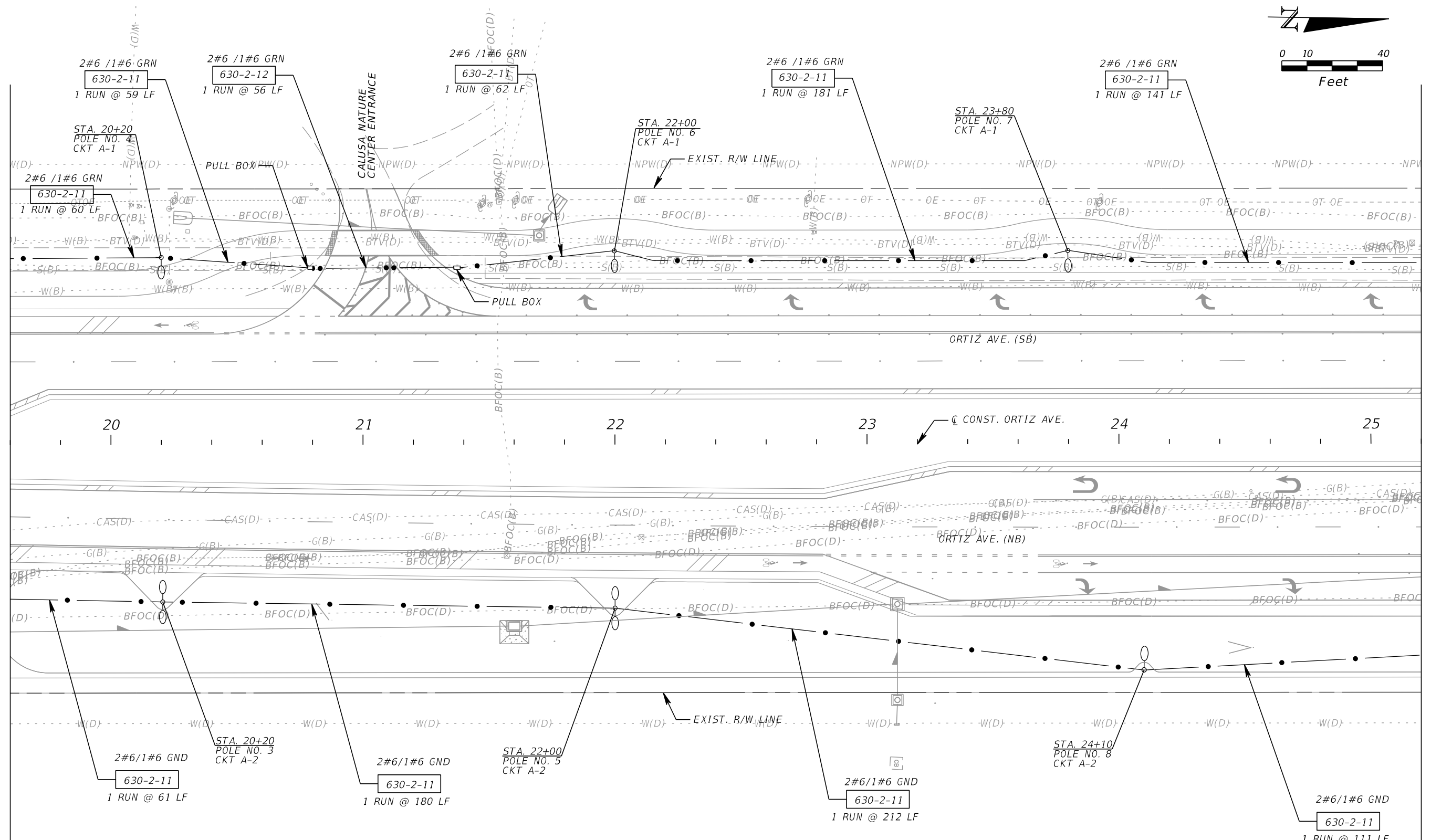
SHEET NO.
L-8

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



MATCH LINE STA. 19+60

MATCH LINE STA. 25+20



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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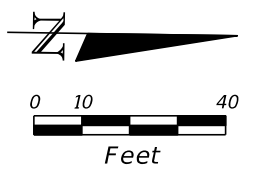
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Florida Certificate of Authorization No. 02317
Engineer of Record: Burak Konuk, P.E.
P.E. No.: 81581

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

LIGHTING PLAN (3)

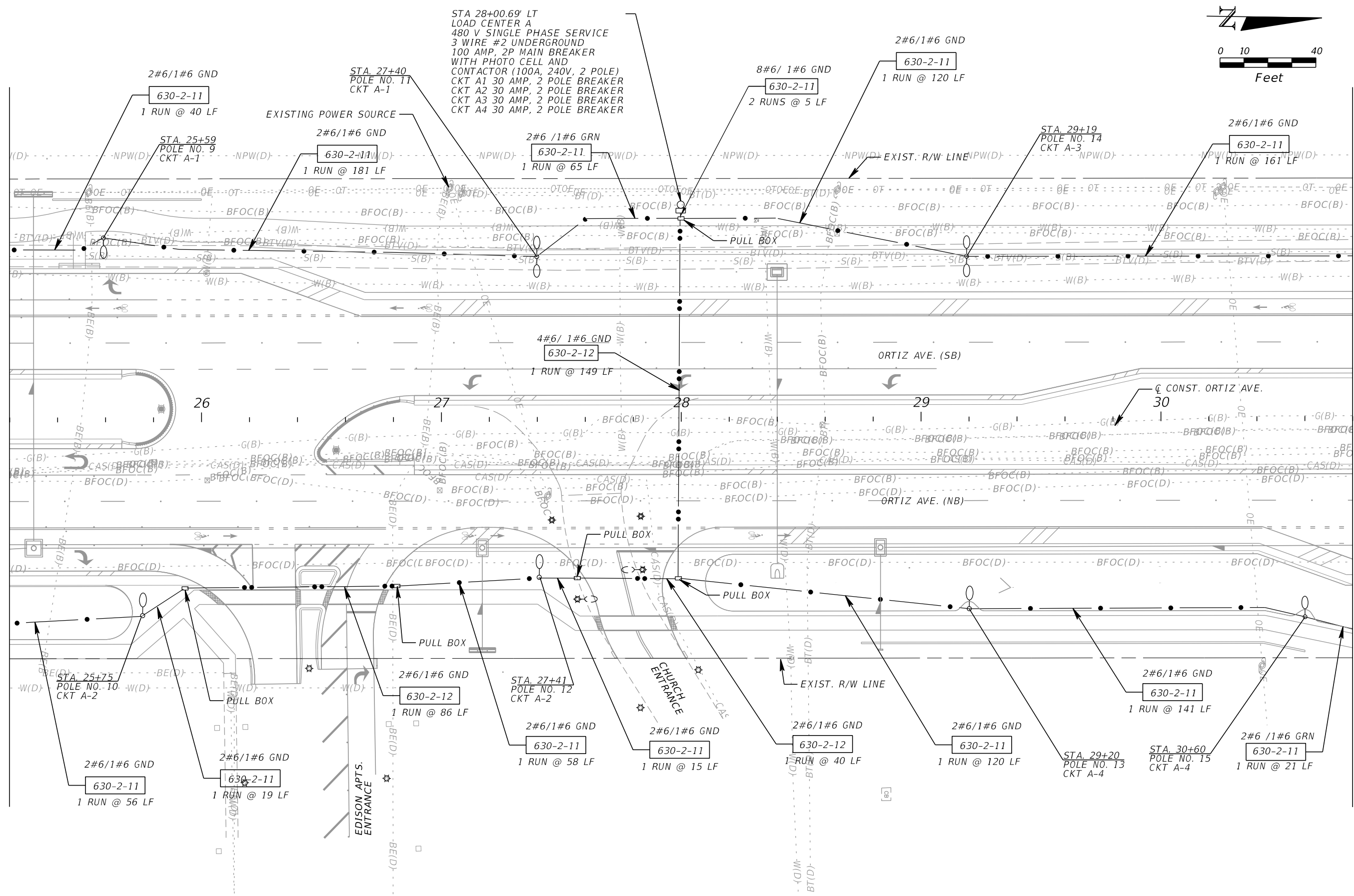
SHEET NO.
L-9

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MATCH LINE STA. 25+20

MATCH LINE STA. 30+80



STA 28+00.69' LT
LOAD CENTER A
480 V SINGLE PHASE SERVICE
3 WIRE #2 UNDERGROUND
100 AMP, 2P MAIN BREAKER
WITH PHOTO CELL AND
CONTACTOR (100A, 240V, 2 POLE)
CKT A1 30 AMP, 2 POLE BREAKER
CKT A2 30 AMP, 2 POLE BREAKER
CKT A3 30 AMP, 2 POLE BREAKER
CKT A4 30 AMP, 2 POLE BREAKER

2#6 /1#6 GRN
630-2-11
1 RUN @ 65 LF

4#6/ 1#6 GND
630-2-12
1 RUN @ 149 LF

2#6/1#6 GND
630-2-12
1 RUN @ 86 LF

2#6/1#6 GND
630-2-11
1 RUN @ 58 LF

2#6/1#6 GND
630-2-11
1 RUN @ 15 LF

2#6/1#6 GND
630-2-12
1 RUN @ 40 LF

2#6/1#6 GND
630-2-11
1 RUN @ 120 LF

2#6/1#6 GND
630-2-11
1 RUN @ 141 LF

2#6 /1#6 GRN
630-2-11
1 RUN @ 21 LF

2#6/1#6 GND
630-2-11
1 RUN @ 40 LF

2#6/1#6 GND
630-2-11
1 RUN @ 181 LF

8#6/ 1#6 GND
630-2-11
2 RUNS @ 5 LF

2#6/1#6 GND
630-2-11
1 RUN @ 120 LF

2#6/1#6 GND
630-2-11
1 RUN @ 161 LF

2#6/1#6 GND
630-2-11
1 RUN @ 56 LF

2#6/1#6 GND
630-2-11
1 RUN @ 19 LF

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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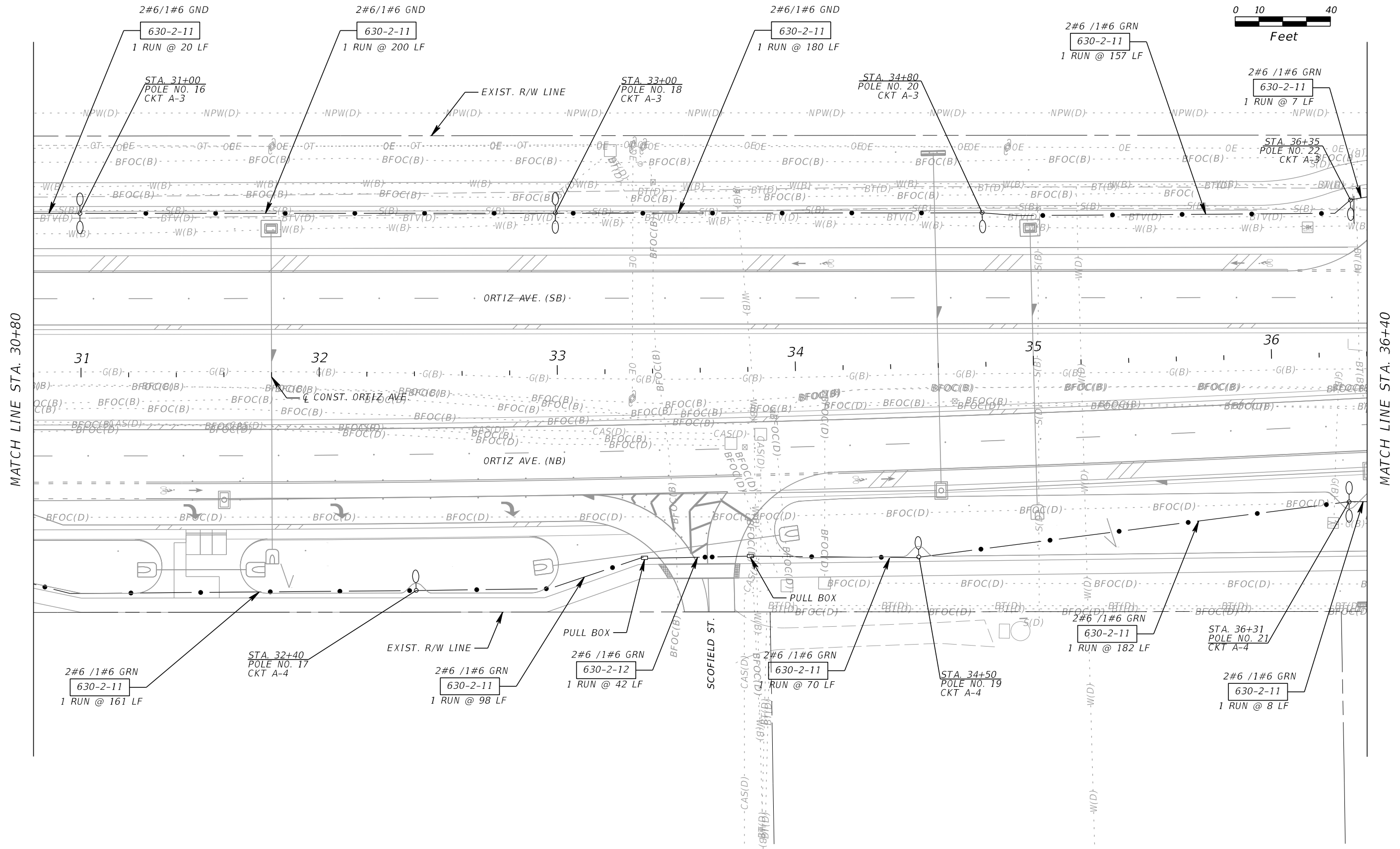
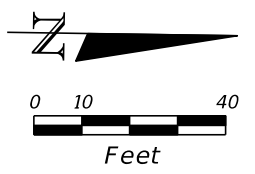
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Florida Certificate of Authorization No. 02317
Engineer of Record: Burak Konuk, P.E.
P.E. No.: 81581

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD CR 865 (ORTIZ AVE.)	COUNTY LEE COUNTY	CONTRACT NO. CN18-8479

LIGHTING PLAN (4)

SHEET NO.
L-10

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



MATCH LINE STA. 30+80

MATCH LINE STA. 36+40

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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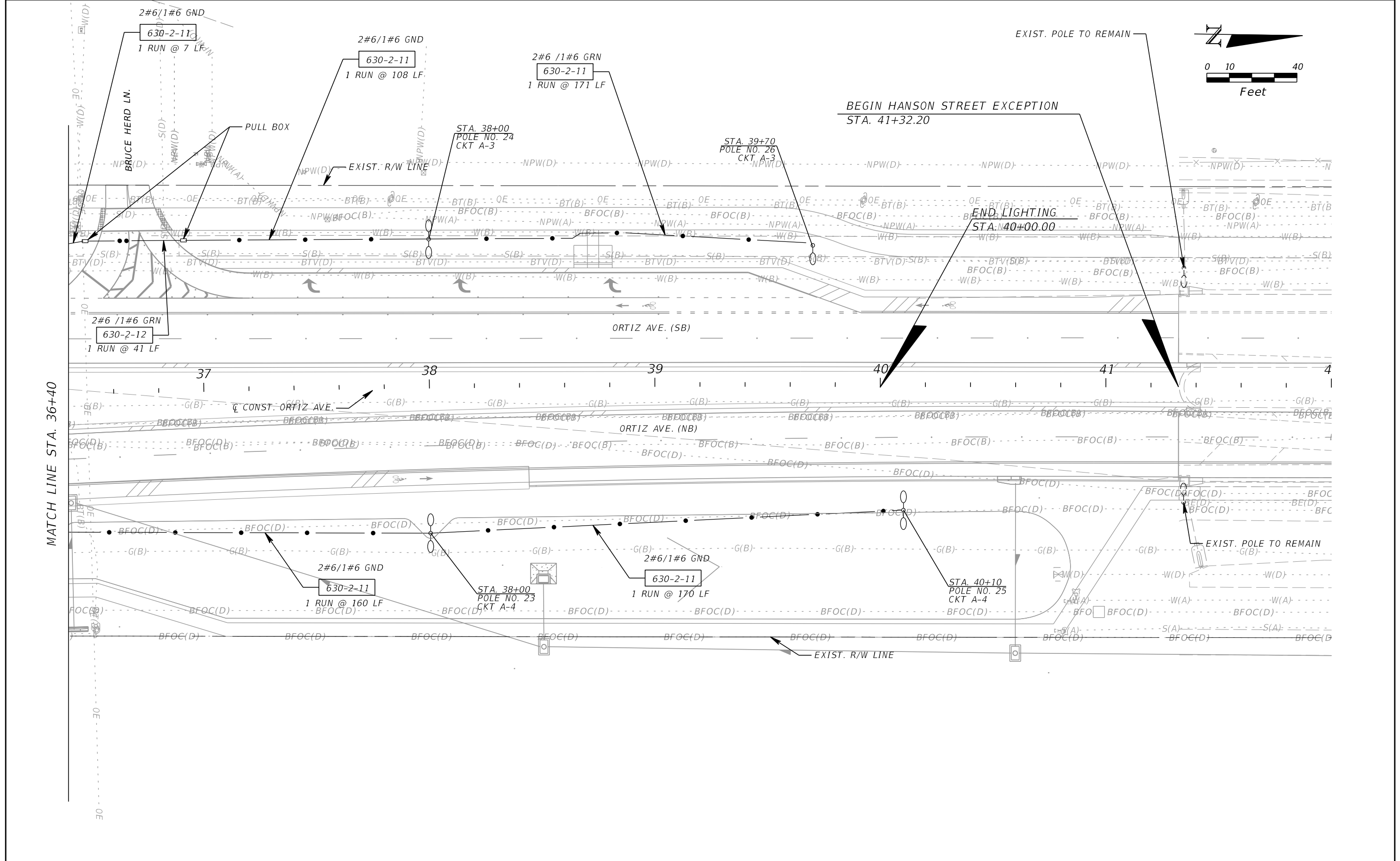
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Florida Certificate of Authorization No. 02317
Engineer of Record: Burak Konuk, P.E.
P.E. No.: 81581

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

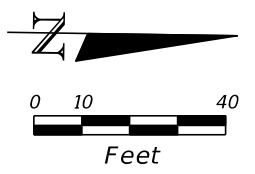
LIGHTING PLAN (5)

SHEET NO.
L-11

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MATCH LINE STA. 36+40



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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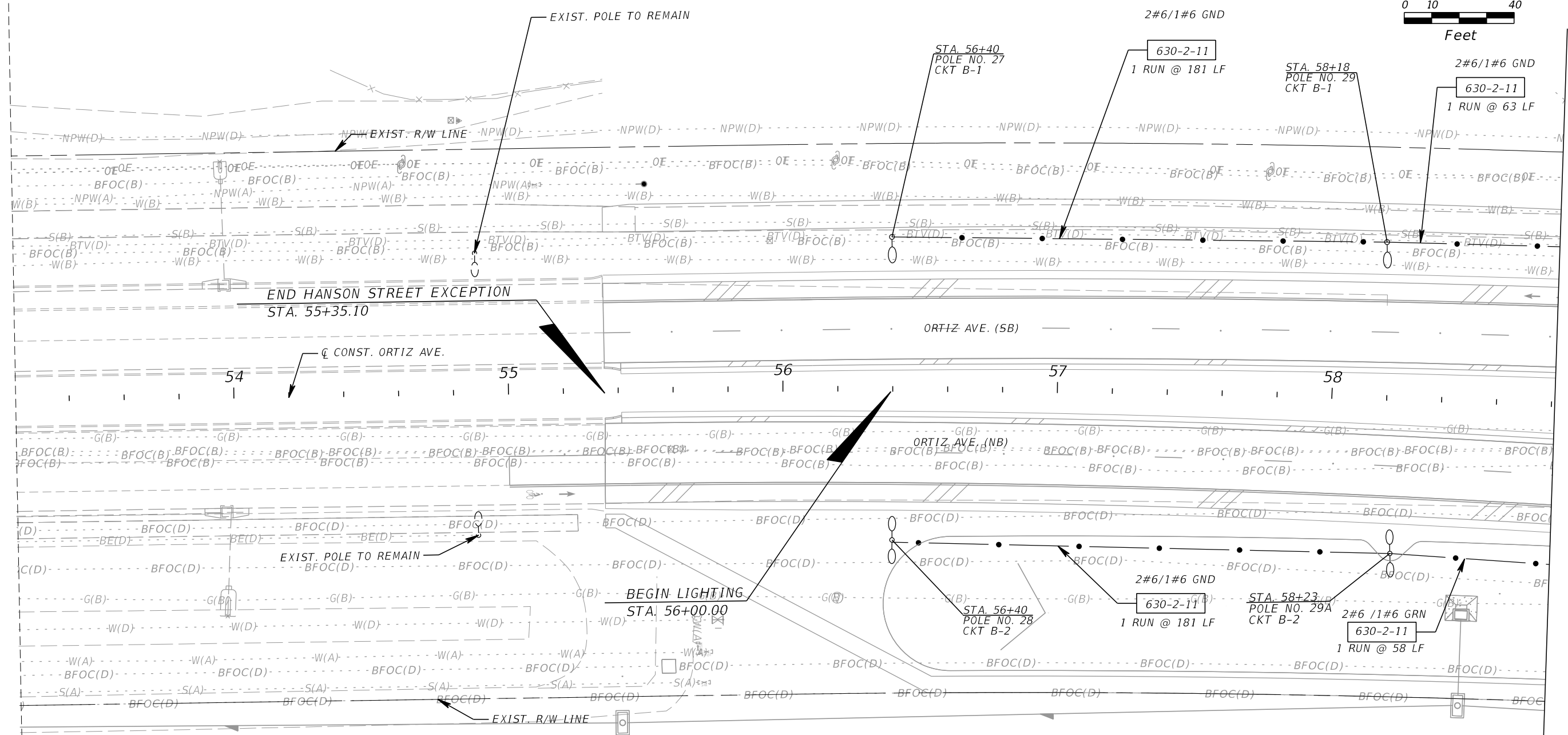
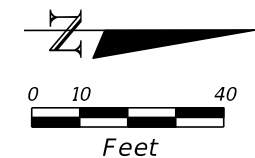
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Florida Certificate of Authorization No. 02317
Engineer of Record: Burak Konuk, P.E.
P.E. No.: 81581

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

LIGHTING PLAN (6)

SHEET NO.
L-12

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



MATCH LINE STA. 58+82

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KCA
KISINGER CAMPO & ASSOCIATES

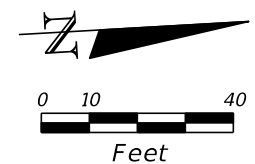
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Florida Certificate of Authorization No. 02317
Engineer of Record: Burak Konuk, P.E.
P.E. No.: 81581

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

LIGHTING PLAN (7)

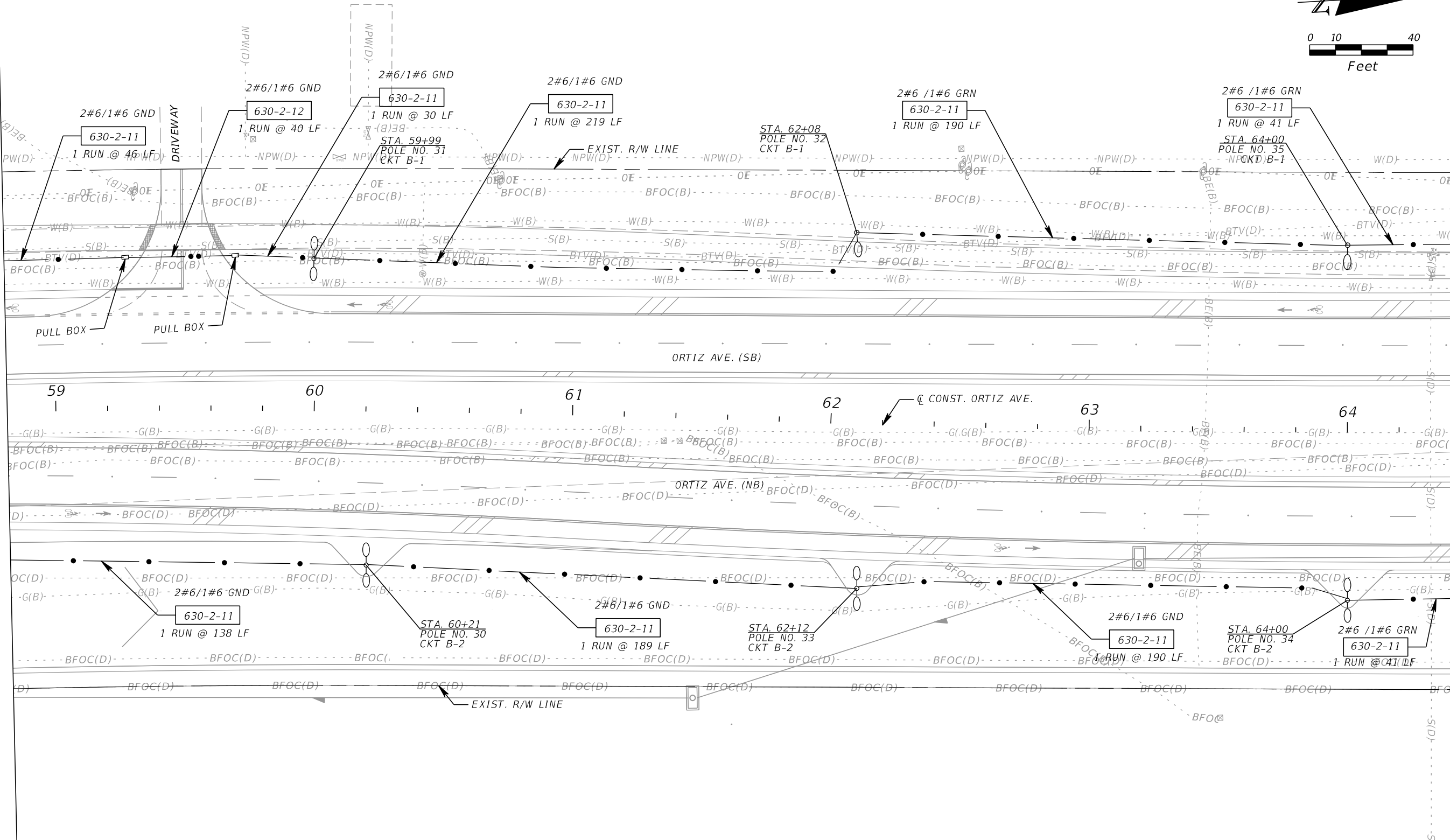
SHEET NO.
L-13

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



MATCH LINE STA. 58+82

MATCH LINE STA. 64+41



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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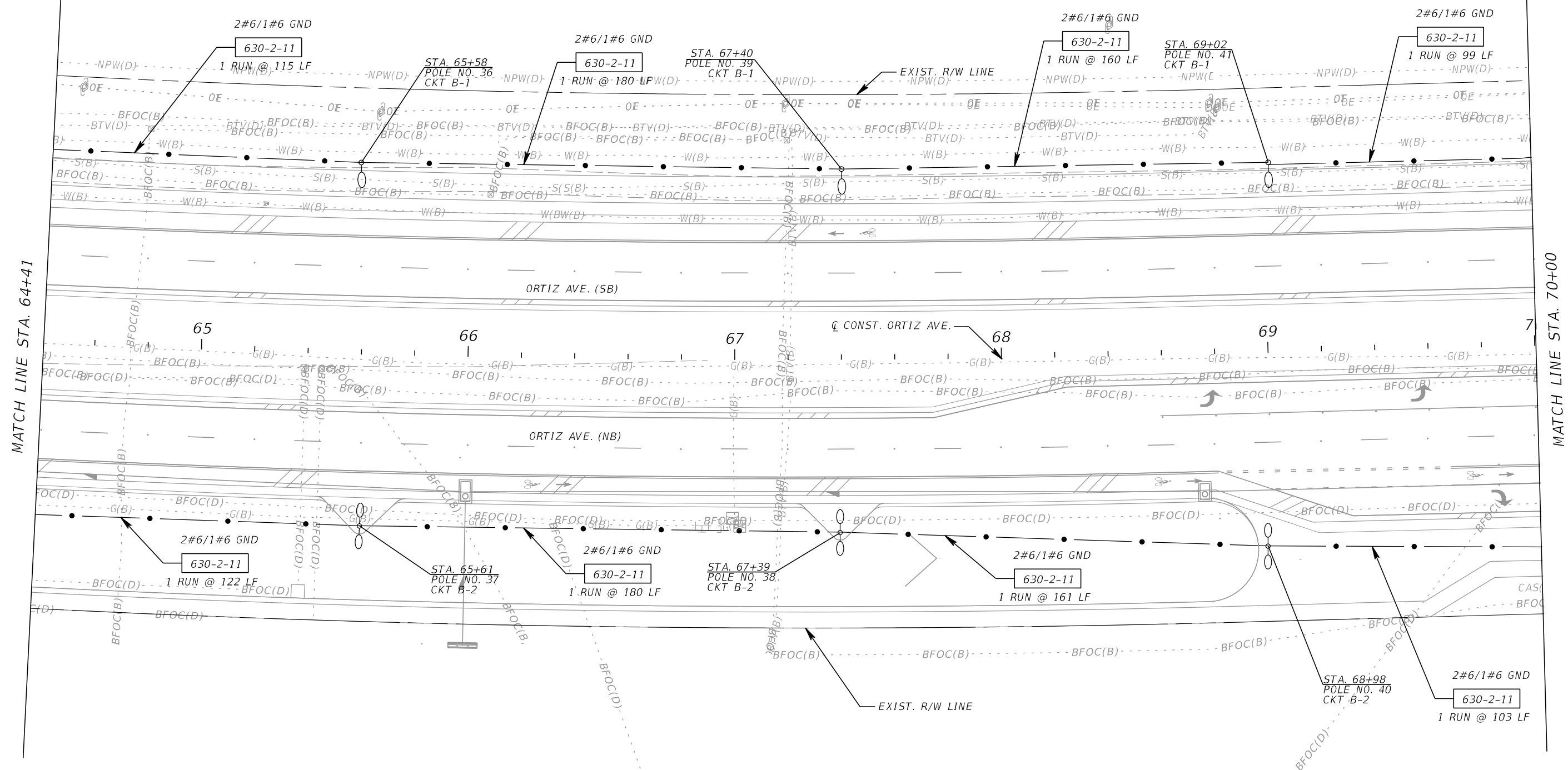
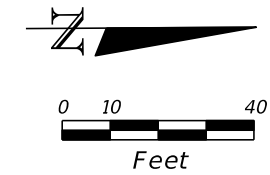
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Florida Certificate of Authorization No. 02317
Engineer of Record: Burak Konuk, P.E.
P.E. No.: 81581

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

LIGHTING PLAN (8)

SHEET NO.
L-14

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



MATCH LINE STA. 70+00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KCA
KISINGER CAMPO & ASSOCIATES

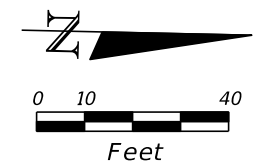
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Florida Certificate of Authorization No. 02317
Engineer of Record: Burak Konuk, P.E.
P.E. No.: 81581

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

LIGHTING PLAN (9)

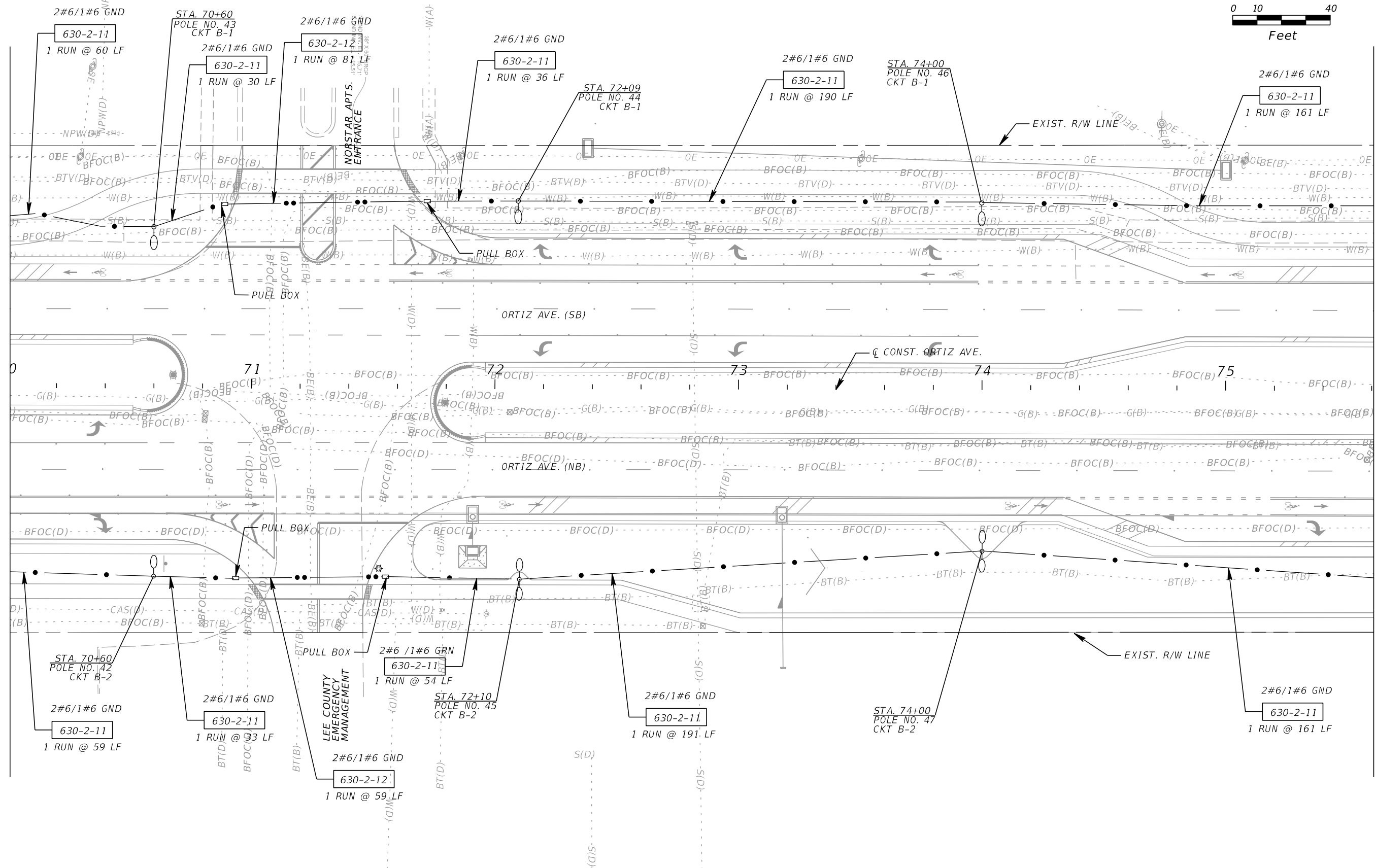
SHEET NO.
L-15

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MATCH LINE STA. 70+00

MATCH LINE STA. 75+60



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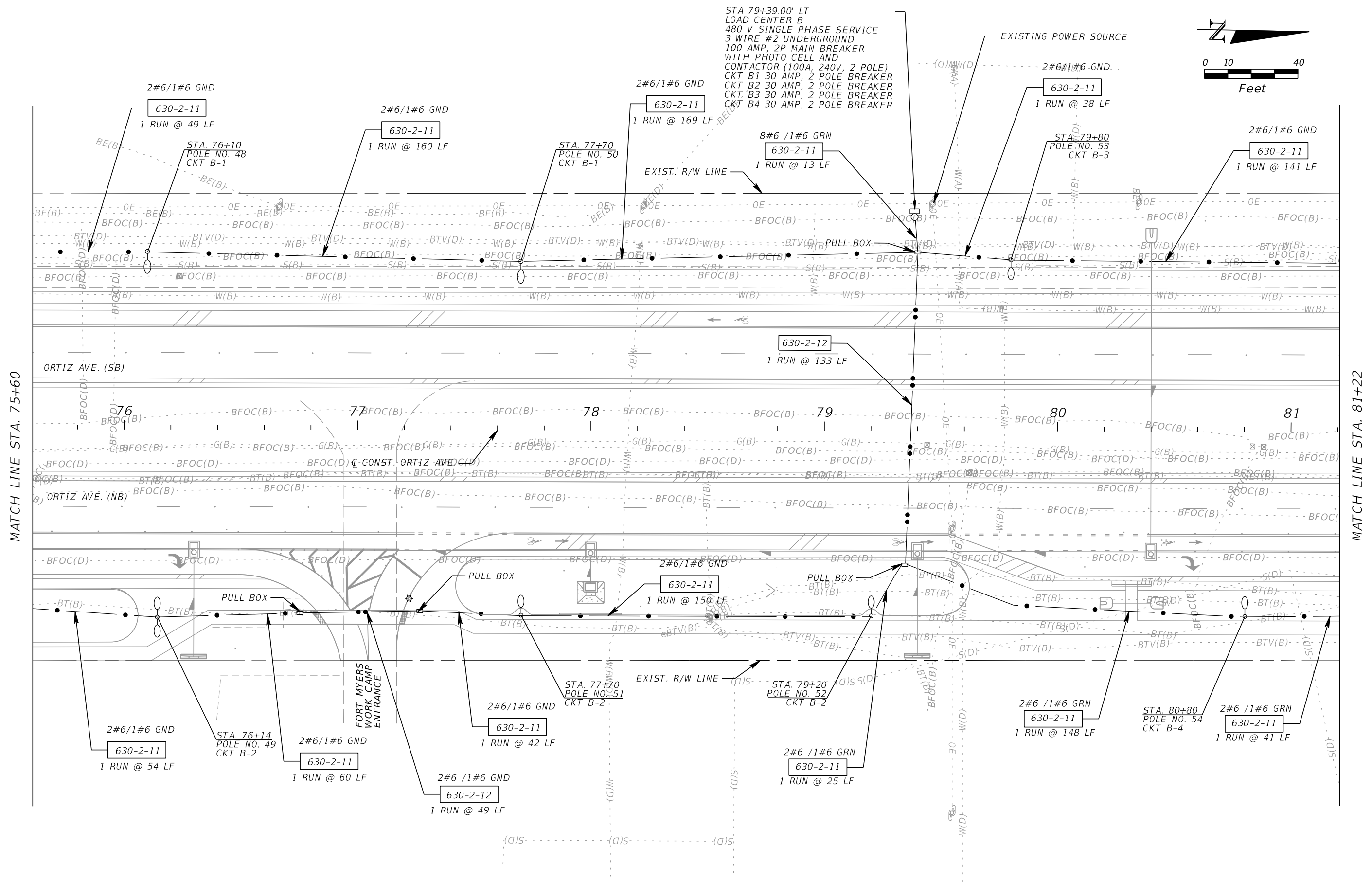
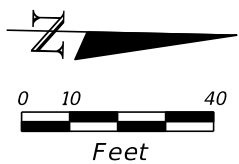
LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

LIGHTING PLAN (10)

SHEET NO.
L-16

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STA 79+39.00' LT
 LOAD CENTER B
 480 V SINGLE PHASE SERVICE
 3 WIRE #2 UNDERGROUND
 100 AMP, 2P MAIN BREAKER
 WITH PHOTO CELL AND
 CONTACTOR (100A, 240V, 2 POLE)
 CKT B1 30 AMP, 2 POLE BREAKER
 CKT B2 30 AMP, 2 POLE BREAKER
 CKT B3 30 AMP, 2 POLE BREAKER
 CKT B4 30 AMP, 2 POLE BREAKER



MATCH LINE STA. 75+60

MATCH LINE STA. 81+22

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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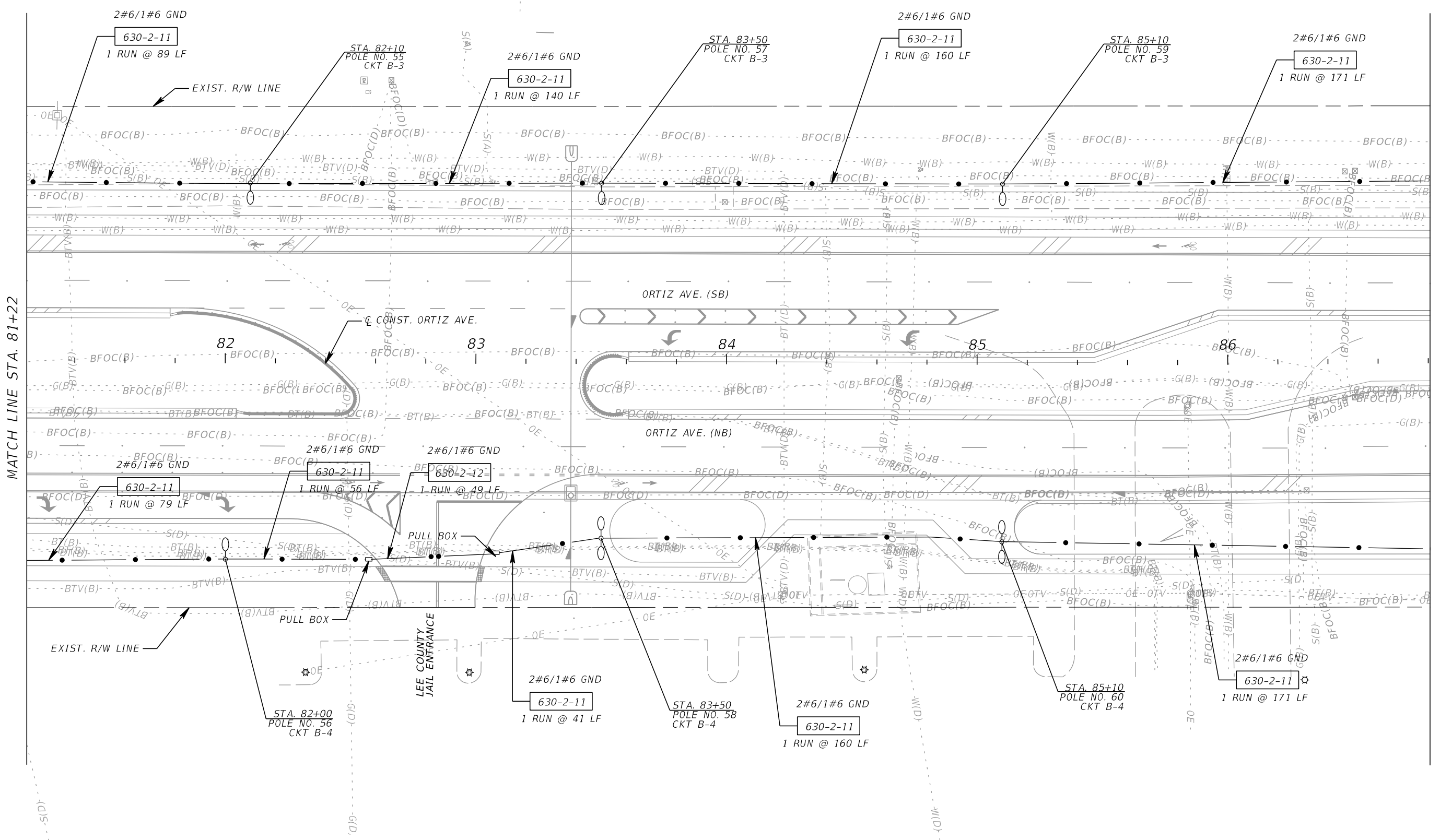
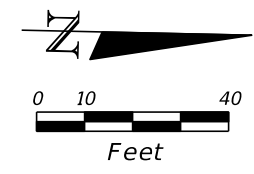
201 N. Franklin Street, Suite 400
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LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

LIGHTING PLAN (11)

SHEET NO.
L-17

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MATCH LINE STA. 81+22

MATCH LINE STA. 86+82

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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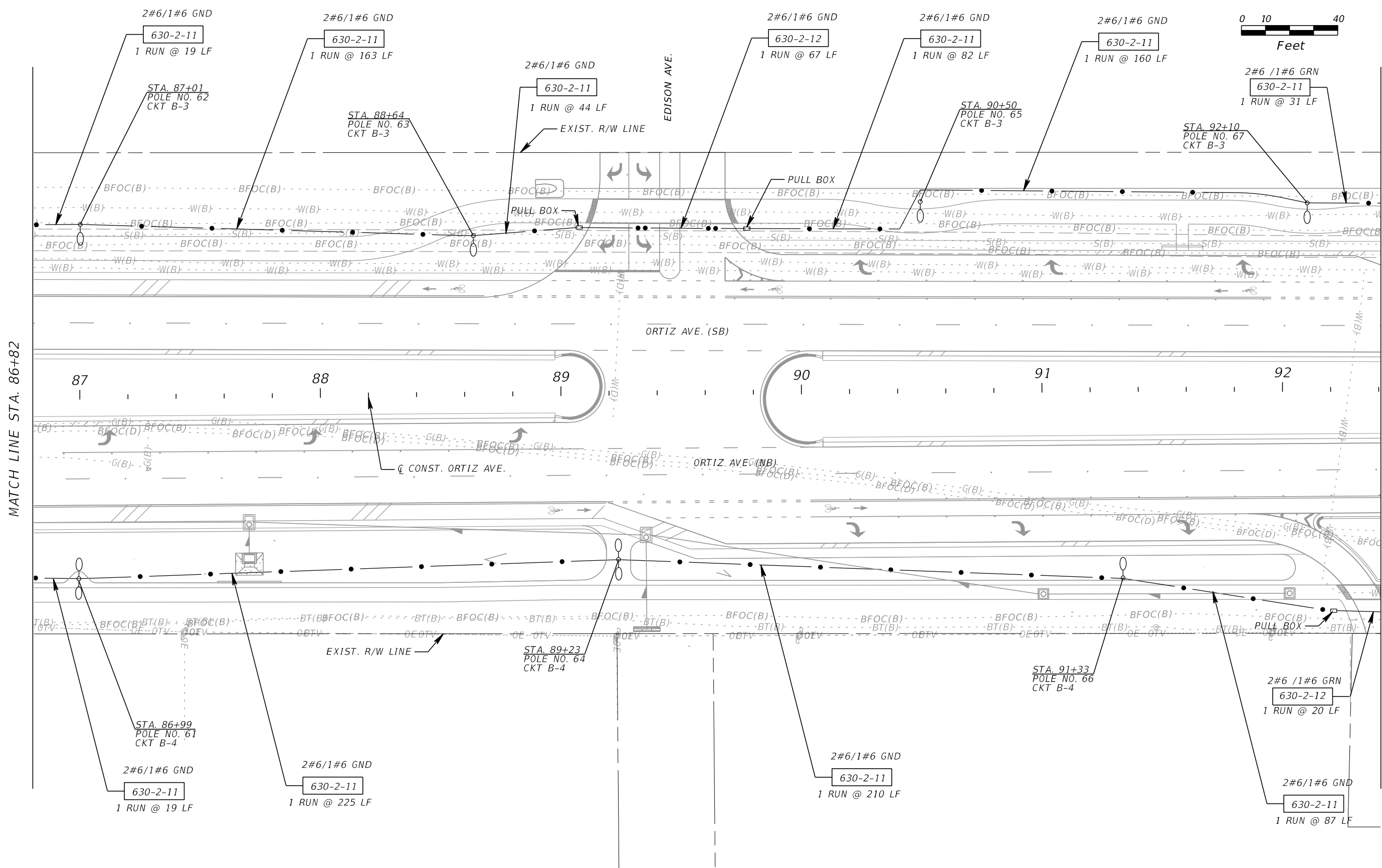
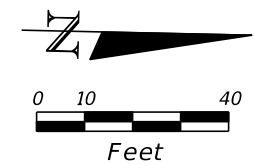
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Florida Certificate of Authorization No. 02317
Engineer of Record: Burak Konuk, P.E.
P.E. No.: 81581

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

LIGHTING PLAN (12)

SHEET NO.
L-18

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MATCH LINE STA. 86+82

MATCH LINE STA. 92+42

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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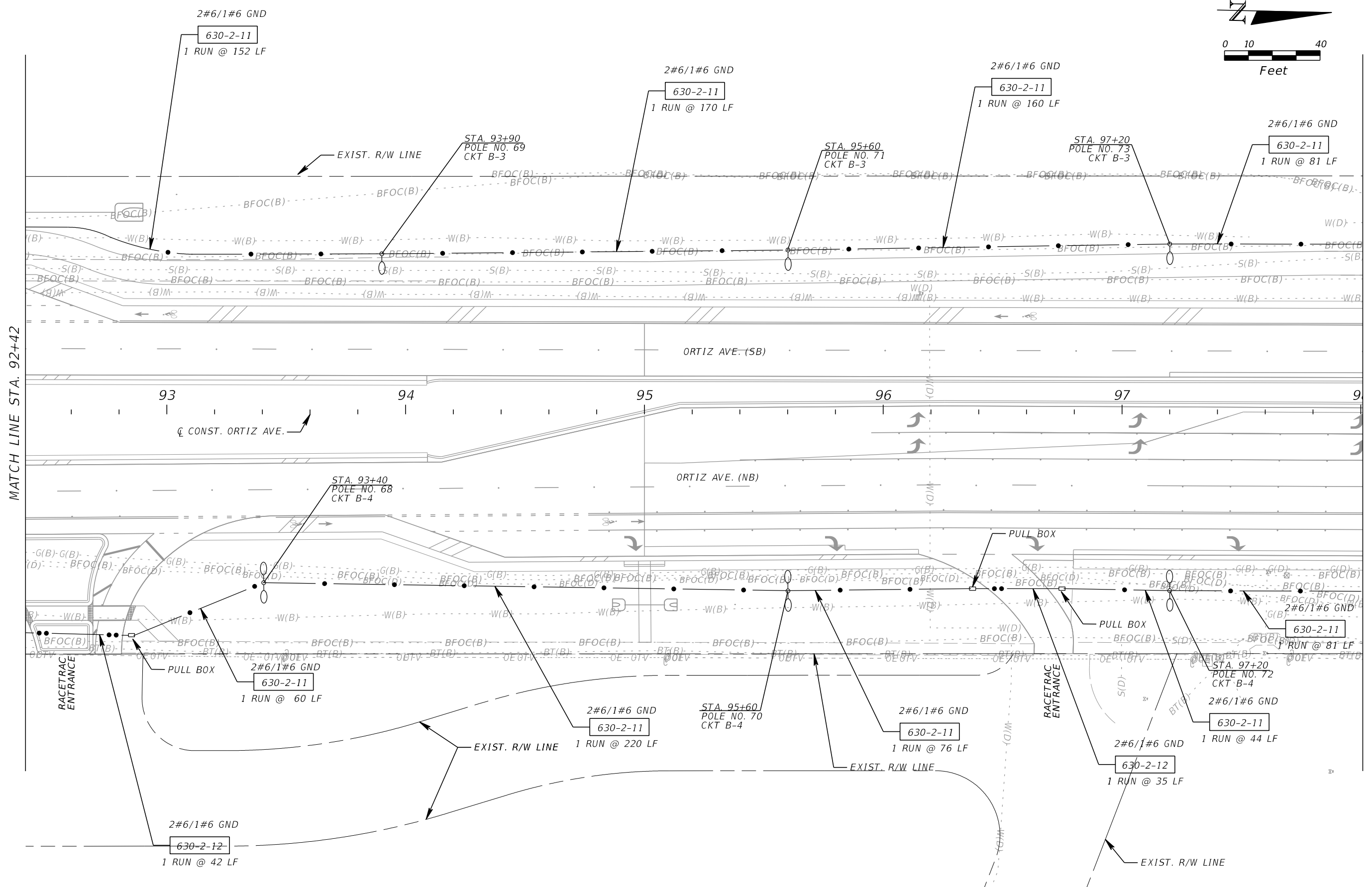
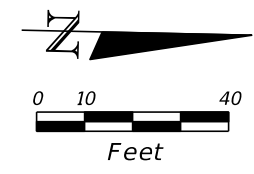
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P.E. No.: 81581

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
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LIGHTING PLAN (13)

SHEET NO.
L-19

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MATCH LINE STA. 92+42

MATCH LINE STA. 98+02

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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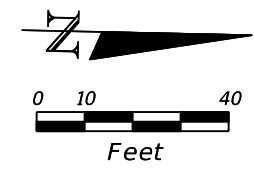
201 N. Franklin Street, Suite 400
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LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

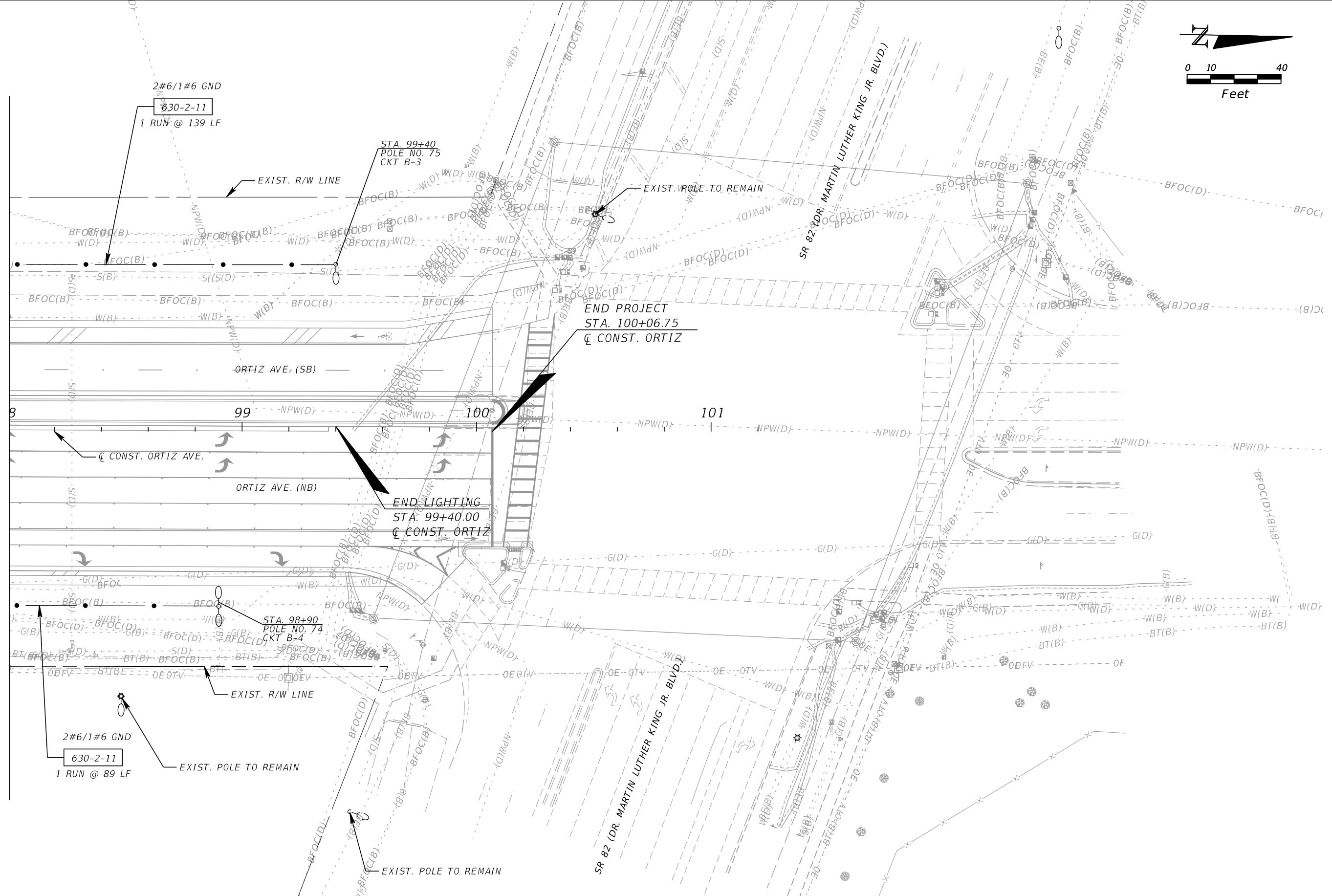
LIGHTING PLAN (14)

SHEET NO.
L-20

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MATCH LINE STA. 98+02



REVISIONS	
DATE	DESCRIPTION

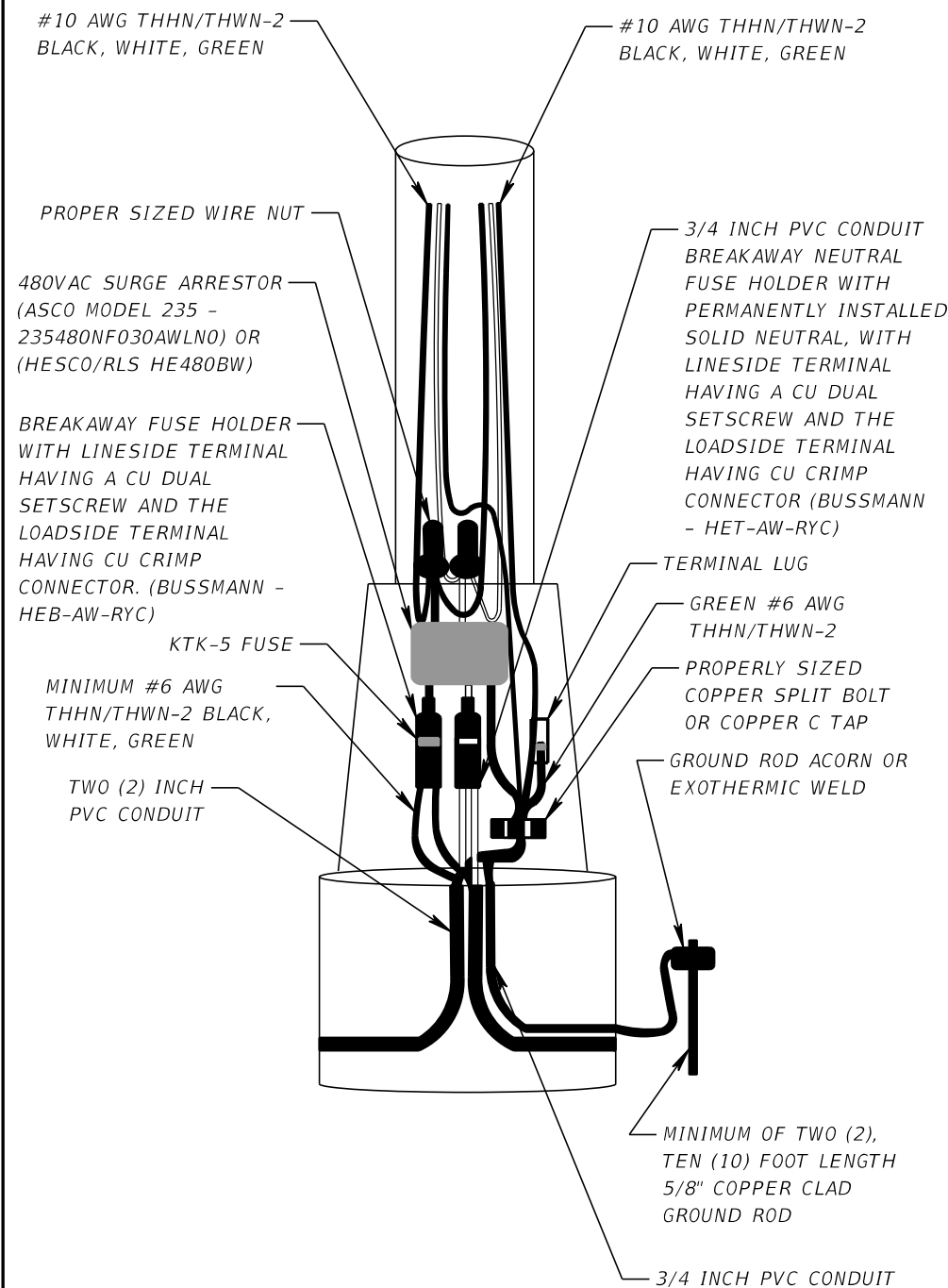
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KISINGER CAMPO & ASSOCIATES
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Tampa, Florida 33602
Florida Certificate of Authorization No. 02317
Engineer of Record: Burak Konuk, P.E.
P.E. No.: 81581

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

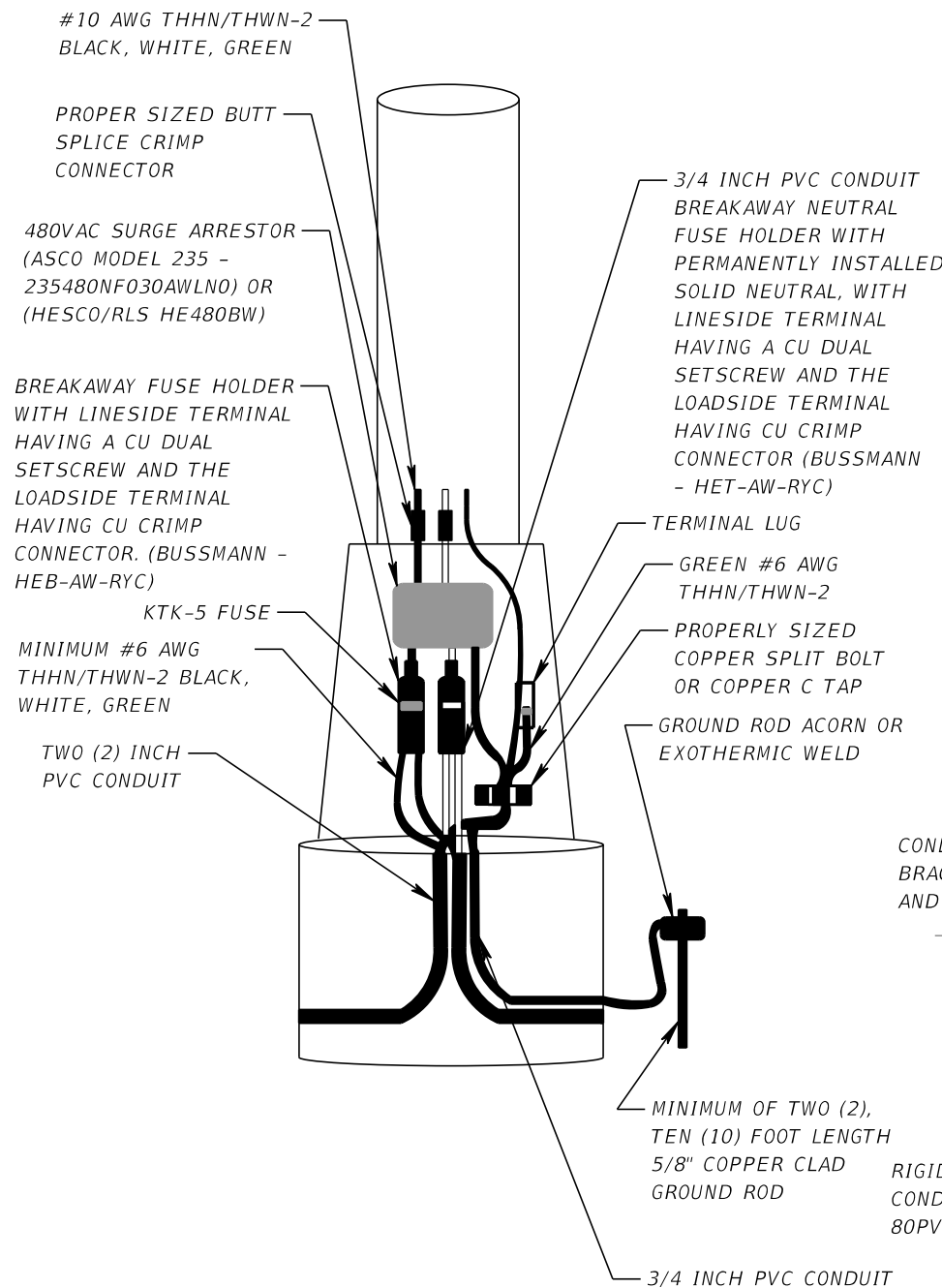
LIGHTING PLAN (15)

SHEET NO.
L-21

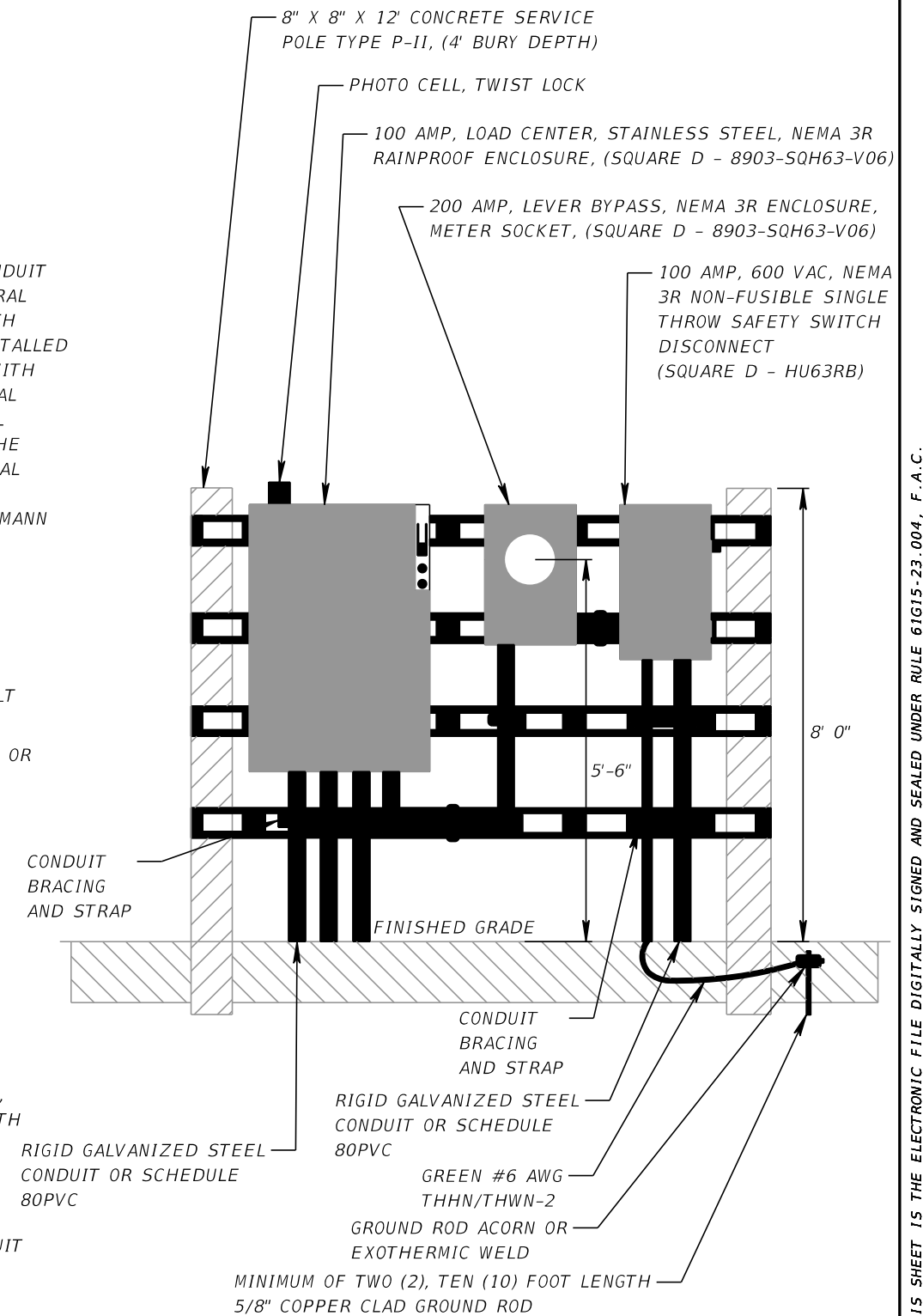
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FP&L 480 VAC (2 WIRE)
STREETLIGHT POLE WIRING DETAIL
STREETLIGHT T-BASE WIRING CONNECTIONS - DUAL FIXTURE



FP&L 480 VAC (2 WIRE)
STREETLIGHT POLE WIRING DETAIL
STREETLIGHT T-BASE WIRING CONNECTIONS



WITHIN 150' OF ELECTRICAL SERVICE FEED
STREETLIGHT POLE WIRING DETAIL
LOAD CENTER, SECONDARY VOLTAGE WITH METER

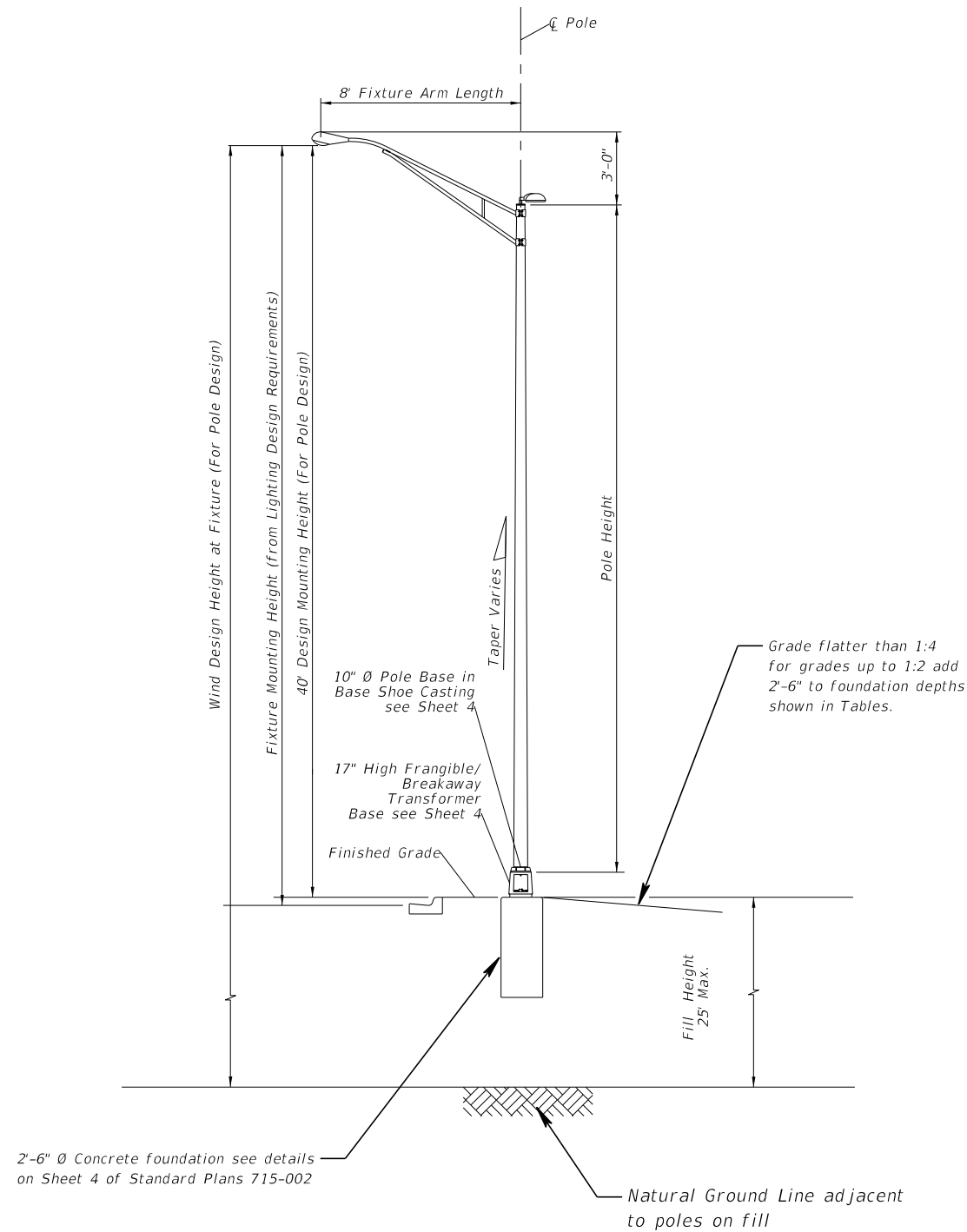
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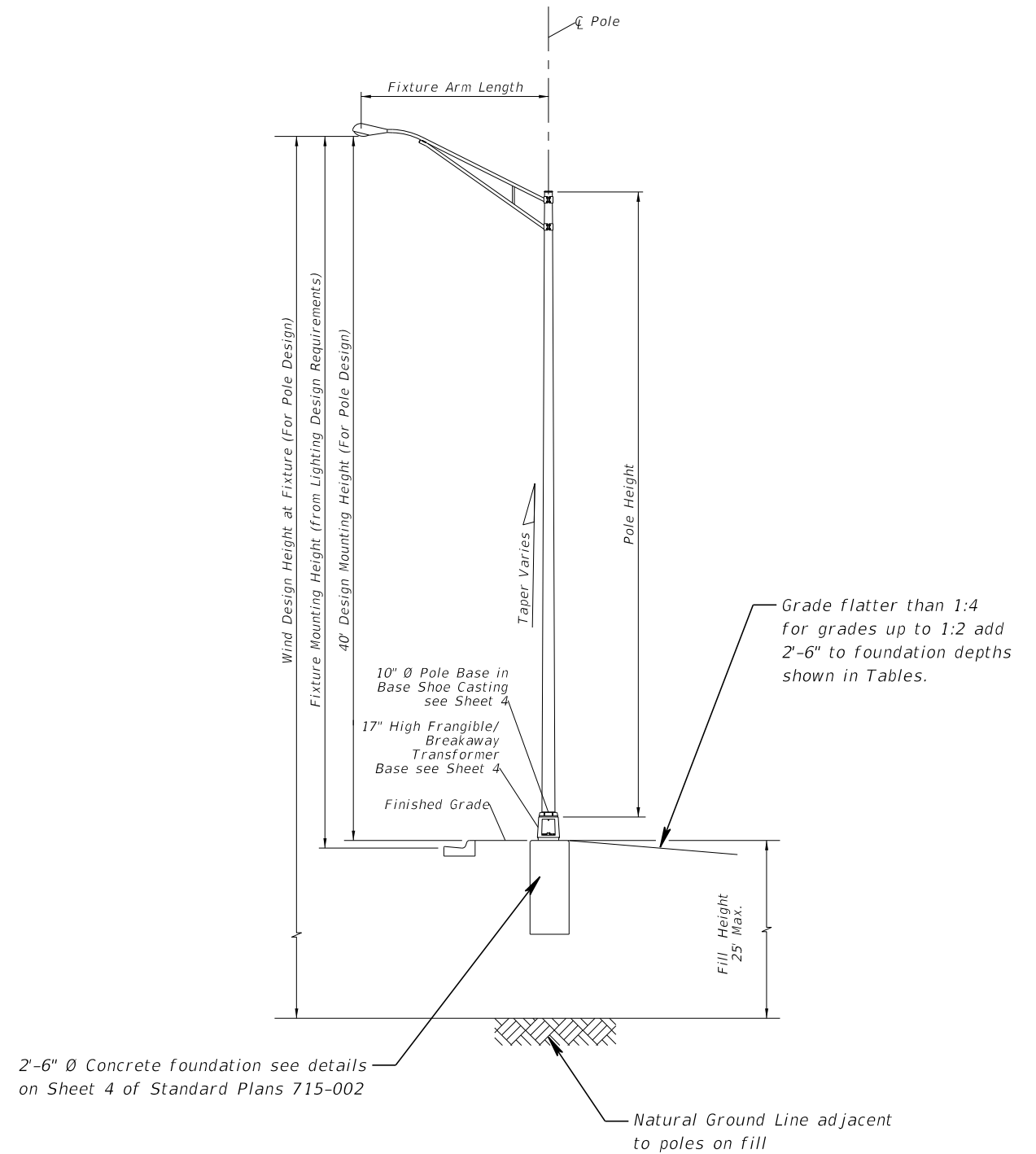
LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	CONTRACT NO.
CR 865 (ORTIZ AVE.)	LEE COUNTY	CN18-8479

LIGHTING DETAILS	SHEET NO. L-22
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CUSTOM ROADWAY
ALUMINUM LIGHT POLE
W/ARM AND TOP MOUNT
(40' POLE DESIGN MOUNTING HEIGHT)



CUSTOM ROADWAY
ALUMINUM LIGHT POLE W/ARM
(40' POLE DESIGN MOUNTING HEIGHT)

- NOTES:
1. USE DESIGN CRITERIA OF 30' DESIGN MOUNTING HEIGHT POLES WITH ARM IN STANDARD PLANS 715-002 FOR ALL 25' CUSTOM DESIGN MOUNTING HEIGHT POLES.
 2. USE DESIGN CRITERIA OF 45' DESIGN MOUNTING HEIGHT POLES WITH ARM IN STANDARD PLANS 715-002 FOR ALL 40' CUSTOM DESIGN MOUNTING HEIGHT POLES.

REVISIONS			
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KCA
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SPECIAL LIGHT POLE DESIGN

SHEET NO.
L-23