

**CONTRACT PLANS COMPONENTS**

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- LIGHTING PLANS

*LEE COUNTY*  
**DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLANS**

**GATEWAY BOULEVARD AT GRIFFIN DRIVE  
INTERSECTION CONTROL (ROUNDAABOUT)**

**INDEX OF LIGHTING PLANS**

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**GOVERNING STANDARD PLANS:**

Florida Department of Transportation, FY2020-21 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

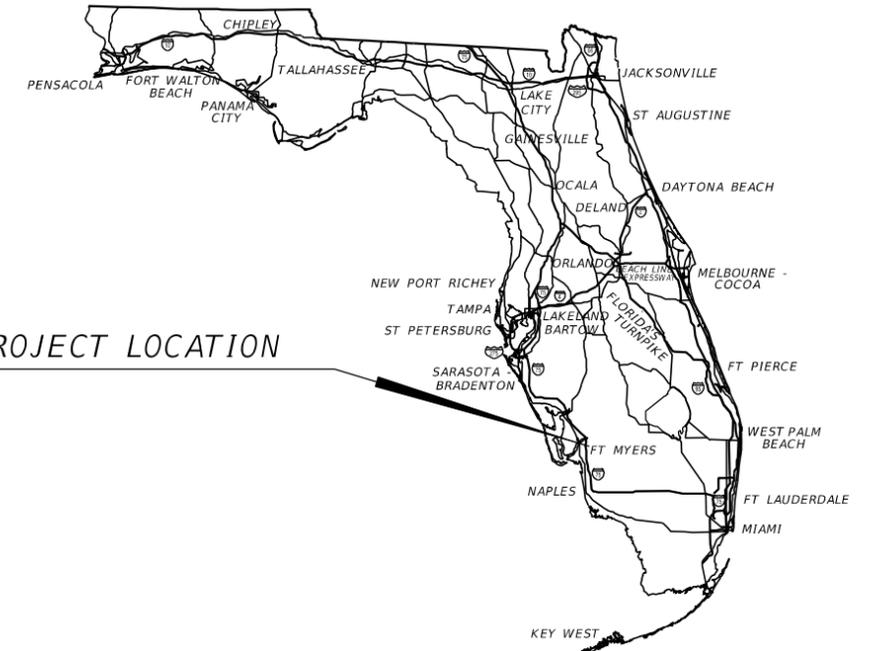
Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

APPLICABLE IRs: N/A

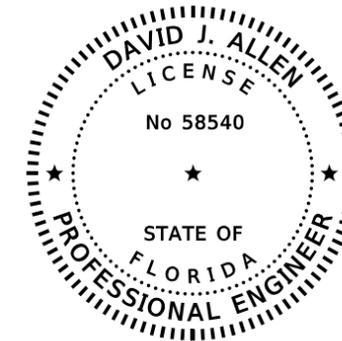
**GOVERNING STANDARD SPECIFICATIONS:**

Florida Department of Transportation, July 2020 Standard Specifications for Road and Bridge Construction at the following website:  
<https://www.fdot.gov/programmanagement/Implemented/SpecBooks>

Lee County Department of Transportation, January 2021 or latest edition, Plan Specifications for Traffic Signal and Street Lighting at the following website:  
<https://www.leegov.com/dot/traffic/trafficstandard>



PROJECT LOCATION



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL  
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**LIGHTING PLANS  
ENGINEER OF RECORD:**

DAVID ALLEN, P.E.  
P.E. NO. 58540  
CARDNO, INC.  
3905 CRESCENT PARK DR.  
RIVERVIEW FL. 33578  
(813) 257-0005

**COUNTY PROJECT MANAGER:**

David M. Murphy, P.E.

CIP NO.	FISCAL YEAR	SHEET NO.
200671	22	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-6		L-7		L-8		L-9		PLAN	FINAL	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, FURNISH & INSTALL, OPEN TRENCH	LF	75													75	75	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	1120		680		210		465							2475	2475	
635-2-11	PULL & SPLICE BOX, F&I	EA															11	
	LCDOT PULL BOX, 17" X 30" COVER SIZE	EA	6													6		
	GS PULL BOX, 13" X 24" COVER SIZE	EA	1		1		2		1							5		
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1													1	1	
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE (12')	EA	2													2	2	
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO 8 TO NO 6	LF	5461		2232		678		1539							9910	9910	
715-1-60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	732		1428											2160	2160	
715-4-12	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT	EA	10		4		1		3							18	18	
715-4-70	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA	2		2		2		1							7	7	
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	1													1	1	
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	10		4		1		3							18	18	

**PAY ITEM FOOTNOTES**

- PAY ITEM 630-2-11:**  
THE CONDUITS SHALL BE FITTED WITH BELL ENDS OR EQUIVALENT FITTINGS PRIOR TO THE PULLING OF ANY WIRE INTO THE CONDUITS. SEE LEE COUNTY SIGNAL AND LIGHTING SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- PAY ITEM 630-2-12:**  
THE CONDUITS SHALL BE FITTED WITH BELL ENDS OR EQUIVALENT FITTINGS PRIOR TO THE PULLING OF ANY WIRE INTO THE CONDUITS. ALL DIRECTIONAL BORES SHALL INCLUDE A SPARE CONDUIT, WHERE SPECIFIED, CONTAINING A PULL WIRE AND SEALED WITH A WATER TIGHT CAP. SEE LEE COUNTY SIGNAL AND LIGHTING SPECIFICATIONS FOR ADDITIONAL INFORMATION. CONDUIT SPECIFIED AS A FUTURE USE CONDUIT SHALL ONLY BE POPULATED WITH A PULL WIRE AND SEALED AT BOTH ENDS WITH A WATER TIGHT CAP.
- PAY ITEM 635-2-11:**  
PULL BOXES DESIGNATED WITH (LCDOT) SHALL BE FOR THE PROPOSED LIGHTING SYSTEM MAINTAINED BY LEE COUNTY. THESE PULL BOXES SHALL FOLLOW LEE COUNTY SIGNAL AND LIGHTING SPECIFICATIONS FOR MATERIAL AND INSTALLATION REQUIREMENTS.  
  
PULL BOXES DESIGNATED WITH (GS) SHALL BE FOR THE ADJUSTED GATEWAY SERVICE COMMUNITY DEVELOPMENT DISTRICT EXISTING LIGHT SYSTEM. THESE PULL BOXES SHALL HAVE "GSCD STREET LIGHTING" STAMPED IN RAISED LETTERING ON THE PULL BOX COVERS. THE PULL BOX AND COVER SHALL BE CONCRETE WITH THE SIZE OF 12" X 24" AND 12" DEEP.  
  
SEE LIGHTING DATA TABLE AND LEGEND SHEET FOR DESIGNATED PULL BOX SYMBOLS.
- PAY ITEM 639-1-122:**  
POWER SERVICE ASSEMBLY SHALL BE MOUNTED WITH THE LOAD CENTER AS SHOWN IN THE STREET LIGHTING SERVICE POINT DETAIL SHEET IN THE PLANS. THE POWER SERVICE ASSEMBLY SHALL BE THREE WIRE, SINGLE PHASE 120V/240V POWER SERVICE.
- PAY ITEM 641-2-12:**  
CONCRETE SERVICE POLES FOR THE POWER SERVICE/LOAD CENTER ASSEMBLY SHALL BE 12 FEET.
- PAY ITEM 715-1-12:**  
ALL CONDUCTOR SPLICING SHALL BE IN EITHER A PULL BOX OR TRANSFORMER BASES AND FOLLOW SECTION 715-9 SPLICING IN THE FDOT SPECIFICATIONS.
- PAY ITEM 715-1-60:**  
AT LOCATIONS WHERE EXISTING LIGHTING CONDUCTORS ARE TO BE REMOVED, THE CONDUIT SHALL REMAIN BELOW GRADE AND BE FILLED WITH GROUT. ALL CONDUIT REMAINING ABOVE FINAL GRADE SHALL BE CUT BELOW GRADE. THIS IS COVERED UNDER THIS PAY ITEM.
- PAY ITEM 715-4-12:**  
THIS PAY ITEM INCLUDES THE LUMINAIRES SPECIFIED IN THE LEGEND LOCATED ON THE LIGHTING DATA TABLE AND LEGEND SHEET. THE LUMINAIRES SHALL INCLUDE HOUSE SIDE SHIELDS AND THE FIELD ADJUSTABLE OUTPUT MODULES (FAO). THE CONTRACTOR SHALL INSTALL THE ROADSIDE SHIELDS ON ALL LUMINAIRES. EACH LUMINAIRE SHALL HAVE THE FAO SWITCH DIALED TO THE APPROPRIATE AO POSITION AS SPECIFIED ON LIGHTING DATA TABLE AND LEGEND SHEET.  
  
STREET LIGHT POLES AND ARMS SHALL BE HAPCO PRODUCTS OR VALMONT STRUCTURES. FLAGPOLES/P&K POLE PRODUCTS ARE PROHIBITED. THE POLES SHALL BE GROUNDED USING A #6 GREEN AWG WIRE FROM GROUND TO THE TRANSFORMER 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 HAVE A GROUND RESISTANCE READING OF 15 OHMS OR LESS. FOR ADDITIONAL INFORMATION SEE THE STREETLIGHT POLE WIRING DETAIL SHEET IN THE PLANS.  
  
FDOT MAINTENANCE PADS ARE NOT NEEDED FOR THIS PROJECT AND WILL NOT BE INCLUDED UNDER THIS PAY ITEM UNIT COST.
- PAY ITEM 715-4-70:**  
INCLUDES THE REMOVAL OF POLE, BRACKET ARM, LUMINAIRE, TRANSFORMER BASE, FOUNDATION, ASSOCIATED WIRING AND ALL RESTORATION.
- PAY ITEM 715-7-11:**  
THIS PAY ITEM SHALL INCLUDE THE COST OF LABOR AND MATERIALS FOR A COMPLETE LOAD CENTER. ABOVE GROUND CONDUIT AND MOUNTING HARDWARE TO THE SERVICE AND LOAD CENTER COMPONENTS SHALL BE INCLUDED UNDER THIS PAY ITEM. THE ABOVE GROUND CONDUIT SHALL BE RIGID GALVANIZED STEEL. THE CONCRETE SERVICE POLES FOR THE ASSEMBLY ARE PAID SEPARATELY. SEE LEE COUNTY SPECIFICATIONS AND THE STREET LIGHTING SERVICE POINT DETAIL SHEET IN THE PLANS FOR ADDITIONAL INFORMATION. THE LOAD CENTER SHALL BE A SQUARE D NIGHT MASTER - 8903-SQH63-V03.
- PAY ITEM 715-500-1:**  
ALL LIGHT POLES SHALL HAVE A POLE CABLE DISTRIBUTION SYSTEM. THIS PAY ITEM IS FOR ALL ITEMS SPECIFIED IN THE 2021 "LEE COUNTY DEPARTMENT OF TRANSPORTATION PLAN SPECIFICATIONS FOR TRAFFIC SIGNAL & STREET LIGHTING".

REVISIONS				DAVID J. ALLEN, PE P.E. NO.: 58540 CARDNO 3905 CRESCENT PARK DRIVE RIVERVIEW, FL 33578		GATEWAY BOULEVARD AT GRIFFIN DRIVE INTERSECTION CONTROL (ROUNDABOUT)	COUNTY PROJECT NO.	SHT. NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			TABULATION OF QUANTITIES	200671	L-2

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

# ROADWAY LIGHTING GENERAL NOTES

1. SPARE CONDUIT AT PAVEMENT CROSSINGS SHALL BE CAPPED AT BOTH ENDS.
2. PRELIMINARY PRODUCT AND EQUIPMENT DATA SUBMITTAL:  
PRIOR TO INSTALLATION OR WITHIN THIRTY (30) DAYS AFTER THE PRECONSTRUCTION MEETING, WHICHEVER COMES FIRST, SUBMIT TO LEE COUNTY DOT TRAFFIC FOR APPROVAL, A COMPLETED SUBMITTAL PACKAGE THAT INCLUDES THE FOLLOWING. ALL TRAFFIC CONTROL SIGNALS, DEVICES, STREET LIGHTING AND HARDWARE THAT WILL BE USED ON THE PROJECT. SUBMITTAL PACKAGE SHALL ALSO INCLUDE SHOP DRAWINGS FOR STRUTURAL SUPPORT MATERIAL AND OTHER SPECIAL DESIGNS, SUCH AS NON-ELECTRICAL, NON-MECHANICAL, OR OTHER FABRICATED ITEMS WHICH MAY NOT BE SPECIFICALLY DETAILED IN THE PLANS VIA EMAIL TO LCDOTPROJECTS@LEEGOV.COM.
3. NOTIFICATIONS:  
PRIOR TO THE START OF ANY CONSTRUCTION OF TRAFFIC SIGNALS, STREET LIGHTING, RRFBS, FLASHERS, SCHOOL FLASHERS AND ITS DEVICES, LEE COUNTY DOT TRAFFIC SHALL BE NOTIFIED VIA EMAIL AT LCDOTPROJECTS@LEEGOV.COM AT LEAST TEN (10) BUSINESS DAYS PRIOR.
4. 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.
5. BEFORE EXCAVATING, IT IS REQUIRED THAT NOTICE BE GIVEN TO SUNSHINE STATE ONE CALL OF FLORIDA, INC. (SSOCOF) AT 1-800-432-4770 A MINIMUM OF TWO (2) FULL BUSINESS DAYS BEFORE WORK BEGINS. NOT ALL UTILITY COMPANIES ARE MEMBERS OF SSOCOF.
6. THE LOCATION OF THE CONDUITS AND JUNCTION BOXES ARE DIAGRAMMATIC ONLY AND MAY BE SHIFTED WITHIN THE RIGHT-OF-WAY BY THE CONTRACTOR WITH APPROVAL FROM THE ENGINEER TO ACCOMMODATE LOCAL CONDITIONS AND EXISTING UTILITY LOCATIONS. LIGHT POLE LOCATIONS CAN BE ADJUSTED WITH AN APPROVAL FROM THE ENGINEER. 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.
7. ALL ELECTRICAL WORK SHALL MEET ALL REQUIREMENTS OF THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC), THE NATIONAL ELECTRICAL SAFETY CODE (NEC) AND THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL COMPONENTS SHALL BE PROPERLY GROUNDED AND BONDED PER NEC REQUIREMENTS.
8. IN ACCORDANCE WITH NEC, IDENTIFY ALL CIRCUITS AND EQUIPMENT WITH "LAMACOID TAGS". INSTALL SIMILAR TAGS OF STAINLESS STEEL IDENTIFYING THE CIRCUIT FOR EACH LUMINAIRE AT ACCESS HAND HOLE FOR EACH POLE.
9. WIRE 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 THE NEC OR NESC FOR CABLE USED.
10. NO SCREW TYPE BASE FOUNDATIONS SHALL BE USED.
11. AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE WITHIN TWO FEET OF THE LIGHT POLE FOOTER OR CONDUIT RUN, THE CONTRACTOR SHALL HAND DIG THE FIRST FOUR FEET OF THE HOLE FOR THE POLE FOUNDATION AND CONDUIT RUN.
12. THE NEW LIGHTING SYSTEM CONDUIT SHALL GO STRAIGHT TO THE PROPOSED LIGHT POLE FOUNDATION. ALL SPLICES SHALL BE DONE IN THE TRANSFORMER BASES.
13. ALL CONDUIT TRENCHES SHALL BE BACKFILLED COMPLETELY TO PROVIDE 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.
14. THE LIGHTING SYSTEM WILL BE MAINTAINED BY LEE COUNTY DEPARTMENT OF TRANSPORTATION (LCDOT) UPON FINAL ACCEPTANCE.
15. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL SIDE STREETS, PRIVATE AND COMMERCIAL DRIVEWAYS AT ALL TIMES DURING THE CONSTRUCTION OPERATION.
16. UPON PASSING THE FINAL INSPECTION, SEND A WRITTEN REQUEST TO THE FOLLOWING:  
  
LEE COUNTY DEPARTMENT OF TRANSPORTATION  
TRAFFIC ENGINEERING DEPARTMENT  
1500 MONROE STREET  
FORT MYERS, FLORIDA 33901  
PHONE: 239-533-8580
17. WHEN REQUESTING TO TRANSFER MAINTENANCE FROM THE CONTRACTOR TO LCDOT, LCDOT WILL RESPOND WITHIN FIVE (5) WORKING DAYS TO ESTABLISH TIME TABLE FOR THE TRANSFER OF MAINTENANCE RESPONSIBILITY.
18. AS-BUILT DRAWINGS:  
WHEN CONSTRUCTION IS COMPLETE, AS A CONDITION PRECEDENT TO FINAL ACCEPTANCE, PROVIDE A SIGNED AND SEALED AS-BUILT DRAWING, EITHER BY A STATE OF FLORIDA LICENSED PROFESSIONAL ENGINEER OR A PROFESWSIONAL SURVEYOR AND MAPPER. CONTRACTOR SHALL PROVIDE A SET OF "AS-BUILT" PLANS IN ELECTRONIC FORM (PDF) TO:  
  
LCDOTPROJECTS@LEEGOV.COM  
  
AND  
  
BILL SHAW  
GATEWAY SERVICE COMMUNITY DEVELOPMENT DISTRICT  
13240 GRIFFIN DRIVE  
FORT MYERS, FLORIDA 33913  
PHONE: 239-561-1313
19. LIGHT POLES AND PULL BOXES SHALL NOT BE LOCATED IN DRAINAGE SWALES, DITCHES, WETLANDS, DRIVEWAYS, SURFACE WATER, PAVED SHOULDERS OR PEDESTRIAN RAMPS.
20. THE CONTRACTOR SHALL BE AWARE THAT NO TEST BORINGS WERE MADE WHERE CONDUIT OR PULL BOXES ARE TO BE INSTALLED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.
21. ALL EXCESS DIRT AND DEBRIS EXCAVATED FROM POLE FOOTER SHALL BE REMOVED DAILY TO AREAS APPROVED BY THE ENGINEER AND PAID FOR UNDER PAY ITEM 715-4-12.
22. CONTACT GATEWAY SERVICE COMMUNITY DEVELOPMENT DISTRICT A MINIMUM OF TWO (2) WEEKS PRIOR TO ANY WORK ON THE EXISTING LIGHTING SYSTEM. CONTACT INFORMATION IS AS FOLLOWS:  
  
BILL SHAW  
GATEWAY SERVICE COMMUNITY DEVELOPMENT DISTRICT  
13240 GRIFFIN DRIVE  
FORT MYERS, FLORIDA 33913  
PHONE: 239-561-1313
23. COORDINATE WITH GATEWAY SERVICE COMMUNITY DEVELOPMENT DISTRICT FOR ACCESS TO THE EXISTING LIGHTING LOAD CENTER WHEN WORKING ON THE EXISTING LIGHTING SYSTEM.
24. THE EXISTING LIGHTING SYSTEM WITHIN PROJECT LIMITS SHALL BE IN COMPLETE WORKING ORDER PRIOR TO FINAL ACCEPTANCE.
25. ALL REMOVED ITEMS INCLUDING BUT NOT LIMITED TO THE LIGHT POLES, LUMINAIRES, PULL BOXES, WIRING AND CONDUCTORS ARE TO BE DISPOSED OF BY THE CONTRACTOR AT A PLACE DETERMINED BY HIM.
26. ALL CONDUIT INSTALLATION NEAR TREES SHALL MEET ANSI A300 STANDARDS.

**PULL BOX LEGEND**

LCDOT = LEE COUNTY LIGHTING PULL BOX  
 GS = GATEWAY SERVICE COMMUNITY DEVELOPMENT DISTRICT PULL BOX

**CONDUIT LEGEND**

LC = PROPOSED LIGHTING CONDUIT FOR THE NEW LIGHTING SYSTEM  
 SP = EMPTY SPARE LIGHTING CONDUIT

REVISIONS				DAVID J. ALLEN, PE P.E. NO.: 58540 CARDNO 3905 CRESCENT PARK DRIVE RIVERVIEW, FL 33578		GATEWAY BOULEVARD AT GRIFFIN DRIVE INTERSECTION CONTROL (ROUNDABOUT)	COUNTY PROJECT NO.	SHT. NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			GENERAL NOTES (1)	200671	L-3

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## ROADWAY LIGHTING GENERAL NOTES (CONTINUED)

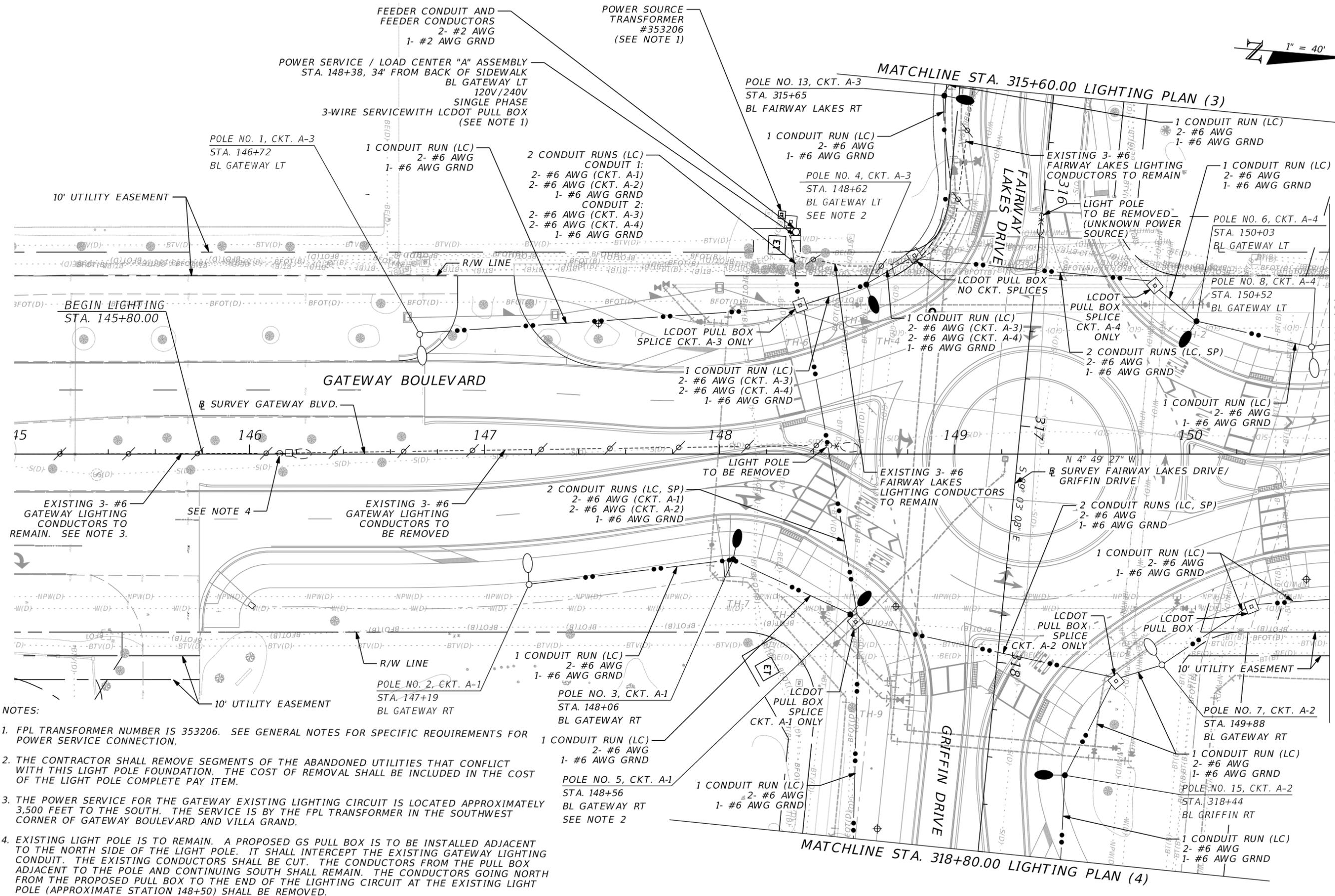
28. NOTIFY FLORIDA POWER AND LIGHT (FP&L) AT LEAST THREE (3) FULL BUSINESS DAYS PRIOR TO ANY INSTALLATION THAT IS WITHIN THE DISTANCE PER CURRENT OSHA REQUIREMENTS OF ENERGIZED ELECTRICAL CONDUCTORS. FP&L, AT ITS OPTION, WILL ASSIST THE CONTRACTOR TO COVER UP ENERGIZED CONDUCTORS AT INSTALLATION SITES 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.
29. OVERHEAD FACILITIES ARE TO REMAIN ENERGIZED AND IN PLACE. TABLE "A", MINIMUM CLEARANCE DISTANCES SPECIFIED IN SUBPART CC OF OSHA RULE 1926 (AS THEY PERTAIN TO CRANE/DERRICK OPERATIONS), AND/OR THOSE MINIMUM DISTANCES SPECIFIED IN 29 CFR 1910.333(c)(3)(i)(A) AND (iii)(A) FOR WORK IN PROXIMITY TO POWER LINES NOT COVERED BY THIS SUBPART CC, ARE TO BE MAINTAINED.
30. AT LOCATIONS WHERE THE PROXIMITY OF THE INSTALLATION IS CLOSE TO THE EXISTING OVERHEAD POWER, AS DETERMINED BY THE ENGINEER, A "LOW PROFILE" RIG SHALL BE REQUIRED TO DRILL THE FOUNDATION AND INSTALL THE LIGHT POLES.
31. POWER SERVICE ASSEMBLY, LOAD CENTER AND SERVICE CONNECTIONS:
  - THE POWER SOURCE IS THE EXISTING FPL PAD MOUNTED TRANSFORMER #353206 AS DEPICTED ON THE PLANS.
  - THE POWER SERVICE ASSEMBLY SHALL HAVE CONDUIT WITH SERVICE WIRE RUNNING TO THE LEFT FRONT CORNER OF THE TRANSFORMER AS SHOWN IN THE PICTURE BELOW. THE FACE OF THE FRONT IS ON THE NORTH SIDE OF THE TRANSFORMER.
  - CONTACT CHRIS MCJUNKIN (FP&L) AT PHONE: (941) 423-4833 AND/OR EMAIL: CHRIS.MCJUNKIN@FPL.COM OR THE LOCAL FP&L SERVICE PLANNER A MINIMUM OF FOUR (4) WEEKS PRIOR TO INSTALLING THE METER CAN AND THE TIME NEEDED TO OPEN THE TRANSFORMER BY FP&L TO STUB UP CONDUIT INSIDE THE TRANSFORMER AND PULL THE SERVICE WIRE. THE CONTRACTOR SHALL NOT OPEN OR PUSH THE CABLES INTO THE TRANSFORMER WITHOUT A FP&L CREW PRESENT.
  - FPL& MUST OPEN THE TRANSFORMER AND BE PRESENT DURING ALL WORK WITHIN THE TRANSFORMER.
  - AS AN OPTION, EMPTY CONDUIT CAN BE INSTALLED TO THE OUTSIDE OF THE FRONT LEFT SIDE OF THE TRANSFORMER AND THEN PULL THE WIRES ON AN ADVANCED STAND-BY APPOINTMENT SET-UP WITH FP&L.
  - THE METER-CAN, LOAD CENTER, ETC. SHALL BE INSTALLED A MINIMUM OF 8 FEET FROM THE FPL PAD MOUNTED TRANSFORMER AND 10 FEET FROM THE CLOSEST PART OF THE FPL SWITCH CABINET.
  - THE POWER SERVICE AND CONNECTION SHALL BE INSTALLED TO MEET LOCAL CODES, NESC AND FPL'S STANDARDS.
  - OBTAIN AND FOLLOW FPL'S STANDARDS LOCATED AT WWW.FPL.COM/PARTNER/BUILDERS/SERVICE-STANDARDS.HTML AND WWW.FPL.COM/CONTENT/DAM/FPL/US/PARTNER/PDF/ELECTRIC-SERVICE-STANDARDS.PDF.
  - THE SETS OF TRIPLEX SERVICE CABLES TO THE TRANSFORMER SHALL NOT EXCEED 5-SETS, WITH A MAXIMUM CABLE SIZE OF 4/0. THE 5-SETS OF CABLES IS THE TOTAL BETWEEN THE STREET LIGHTING POWER SERVICE ASSEMBLY AND THE PROPOSED RRFB POWER SERVICE ASSEMBLY AS SHOWN IN THE SIGNING AND MARKING PLANS.

ENTER FPL PAD MOUNTED TRANSFORMER AT THIS LOCATION.



REVISIONS				DAVID J. ALLEN, PE P.E. NO.: 58540 CARDNO 3905 CRESCENT PARK DRIVE RIVERVIEW, FL 33578		GATEWAY BOULEVARD AT GRIFFIN DRIVE INTERSECTION CONTROL (ROUNDAABOUT)	COUNTY PROJECT NO.	SHT. NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			<i>GENERAL NOTES (2)</i>	200671	L-4





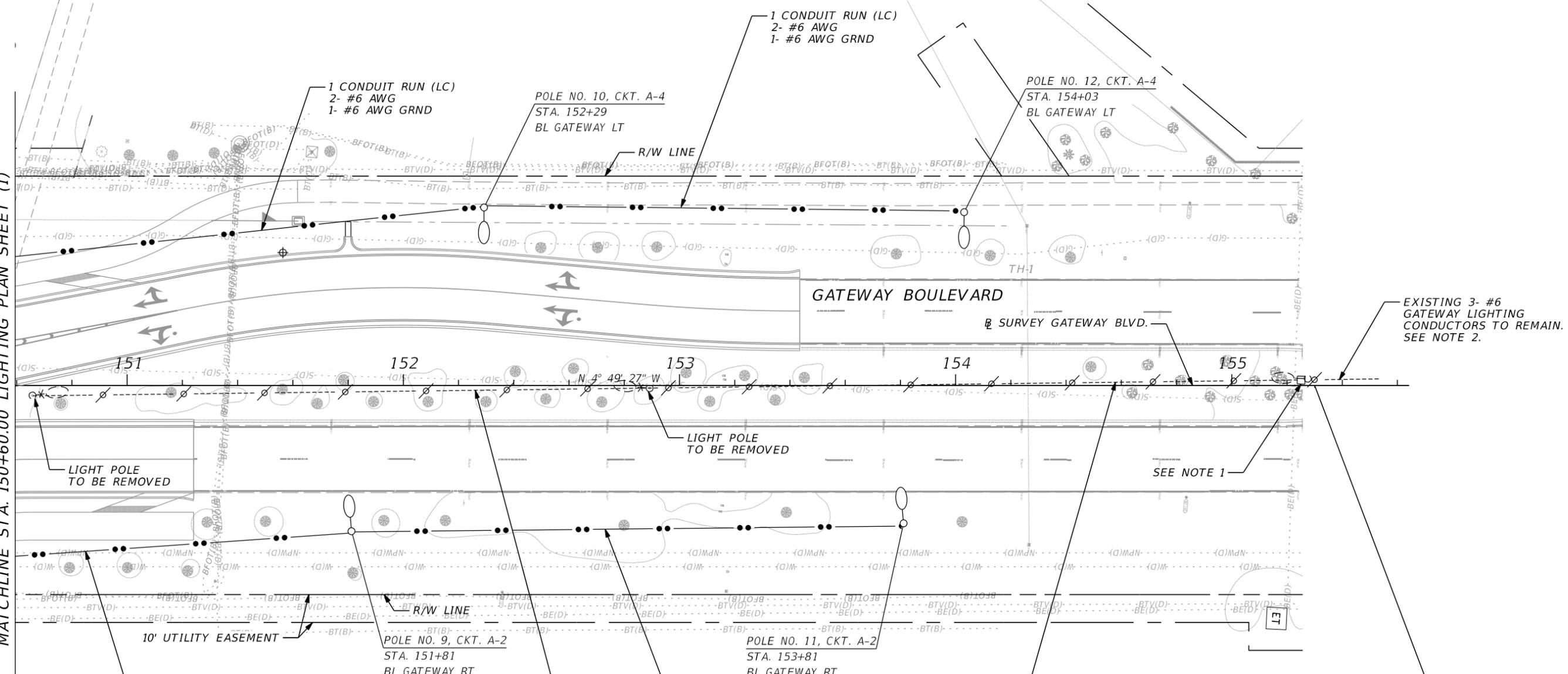
- NOTES:**
1. FPL TRANSFORMER NUMBER IS 353206. SEE GENERAL NOTES FOR SPECIFIC REQUIREMENTS FOR POWER SERVICE CONNECTION.
  2. THE CONTRACTOR SHALL REMOVE SEGMENTS OF THE ABANDONED UTILITIES THAT CONFLICT WITH THIS LIGHT POLE FOUNDATION. THE COST OF REMOVAL SHALL BE INCLUDED IN THE COST OF THE LIGHT POLE COMPLETE PAY ITEM.
  3. THE POWER SERVICE FOR THE GATEWAY EXISTING LIGHTING CIRCUIT IS LOCATED APPROXIMATELY 3,500 FEET TO THE SOUTH. THE SERVICE IS BY THE FPL TRANSFORMER IN THE SOUTHWEST CORNER OF GATEWAY BOULEVARD AND VILLA GRAND.
  4. EXISTING LIGHT POLE IS TO REMAIN. A PROPOSED GS PULL BOX IS TO BE INSTALLED ADJACENT TO THE NORTH SIDE OF THE LIGHT POLE. IT SHALL INTERCEPT THE EXISTING GATEWAY LIGHTING CONDUIT. THE EXISTING CONDUCTORS SHALL BE CUT. THE CONDUCTORS FROM THE PULL BOX ADJACENT TO THE POLE AND CONTINUING SOUTH SHALL REMAIN. THE CONDUCTORS GOING NORTH FROM THE PROPOSED PULL BOX TO THE END OF THE LIGHTING CIRCUIT AT THE EXISTING LIGHT POLE (APPROXIMATE STATION 148+50) SHALL BE REMOVED.

REVISIONS				DAVID J. ALLEN, PE P.E. NO.: 58540 CARDNO 3905 CRESCENT PARK DRIVE RIVERVIEW, FL 33578		GATEWAY BOULEVARD AT GRIFFIN DRIVE INTERSECTION CONTROL (ROUNDBOUT)		COUNTY	SHT. NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			LIGHTING PLAN (1)		PROJECT NO.	
						200671		L-6	

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MATCHLINE STA. 150+60.00 LIGHTING PLAN SHEET (1)



- NOTES:**
1. EXISTING LIGHT POLE IS TO REMAIN. A PROPOSED GS PULL BOX IS TO BE INSTALLED ADJACENT TO THE SOUTH SIDE OF THE LIGHT POLE. IT SHALL INTERCEPT THE EXISTING GATEWAY LIGHTING CONDUIT. THE EXISTING CONDUCTORS SHALL BE CUT. THE CONDUCTORS FROM THE PULL BOX ADJACENT TO THE POLE AND CONTINUING NORTH SHALL REMAIN. THE CONDUCTORS GOING SOUTH FROM THE PROPOSED PULL BOX TO THE END OF THE LIGHTING CIRCUIT AT THE EXISTING LIGHT POLE (APPROXIMATE STATION 150+65) SHALL BE REMOVED.
  2. THE POWER SERVICE FOR THE GATEWAY EXISTING LIGHTING CIRCUIT IS LOCATED APPROXIMATELY 1,950 FEET TO THE NORTH. THE SERVICE IS BY THE FPL TRANSFORMER IN THE NORTHEAST CORNER OF GATEWAY BOULEVARD AND GIRL SCOUT LANE/GATEWAY GREENS DRIVE.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

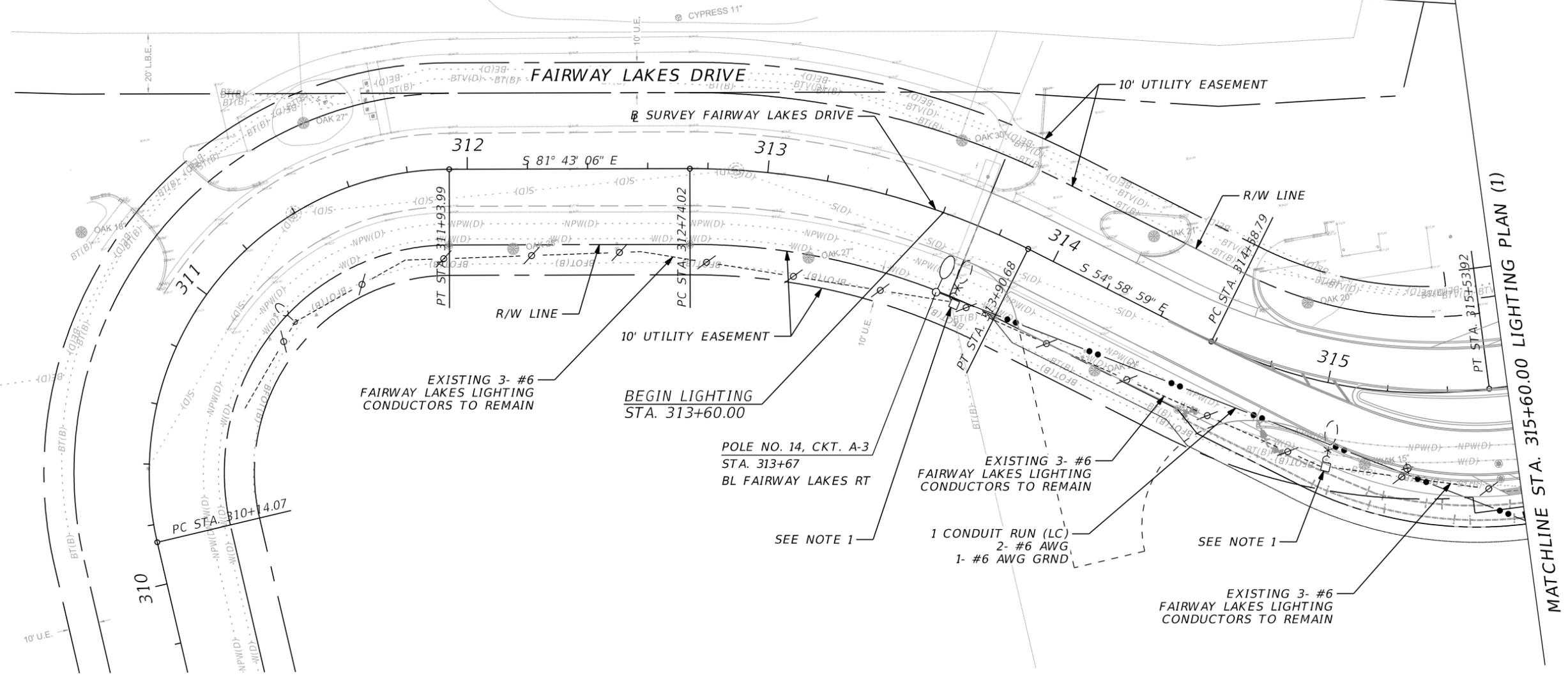
DAVID J. ALLEN, PE  
 P.E. NO.: 58540  
 CARDNO  
 3905 CRESCENT PARK DRIVE  
 RIVERVIEW, FL 33578



GATEWAY BOULEVARD AT GRIFFIN DRIVE  
 INTERSECTION CONTROL (ROUNDAABOUT)  
**LIGHTING PLAN (2)**

COUNTY PROJECT NO.	SHT. NO.
200671	L-7

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**NOTES:**

1. EXISTING LIGHT POLE IS TO BE REMOVED. THE EXISTING PULL BOX SHALL BE REPLACED WITH A PROPOSED GS PULL BOX. THE CONDUCTORS DROP TO THE REMOVED POLE SHALL ALSO BE REMOVED. THE EXISTING FAIRWAY LAKES LIGHTING CONDUCTORS FROM BOTH THE WEST AND EAST SHALL REMAIN AND SPLICED TO MAINTAIN POWER TO THE EXISTING DOWNSTREAM LIGHT POLES TO THE WEST.
2. DURING THE LIGHTING DESIGN FOR THIS PROJECT, GATEWAY SERVICE COMMUNITY DISTRICT STATED THE LIGHTING ALONG FAIRWAY LAKES DRIVE IS NOT WORKING.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID J. ALLEN, PE  
 P.E. NO.: 58540  
 CARDNO  
 3905 CRESCENT PARK DRIVE  
 RIVERVIEW, FL 33578

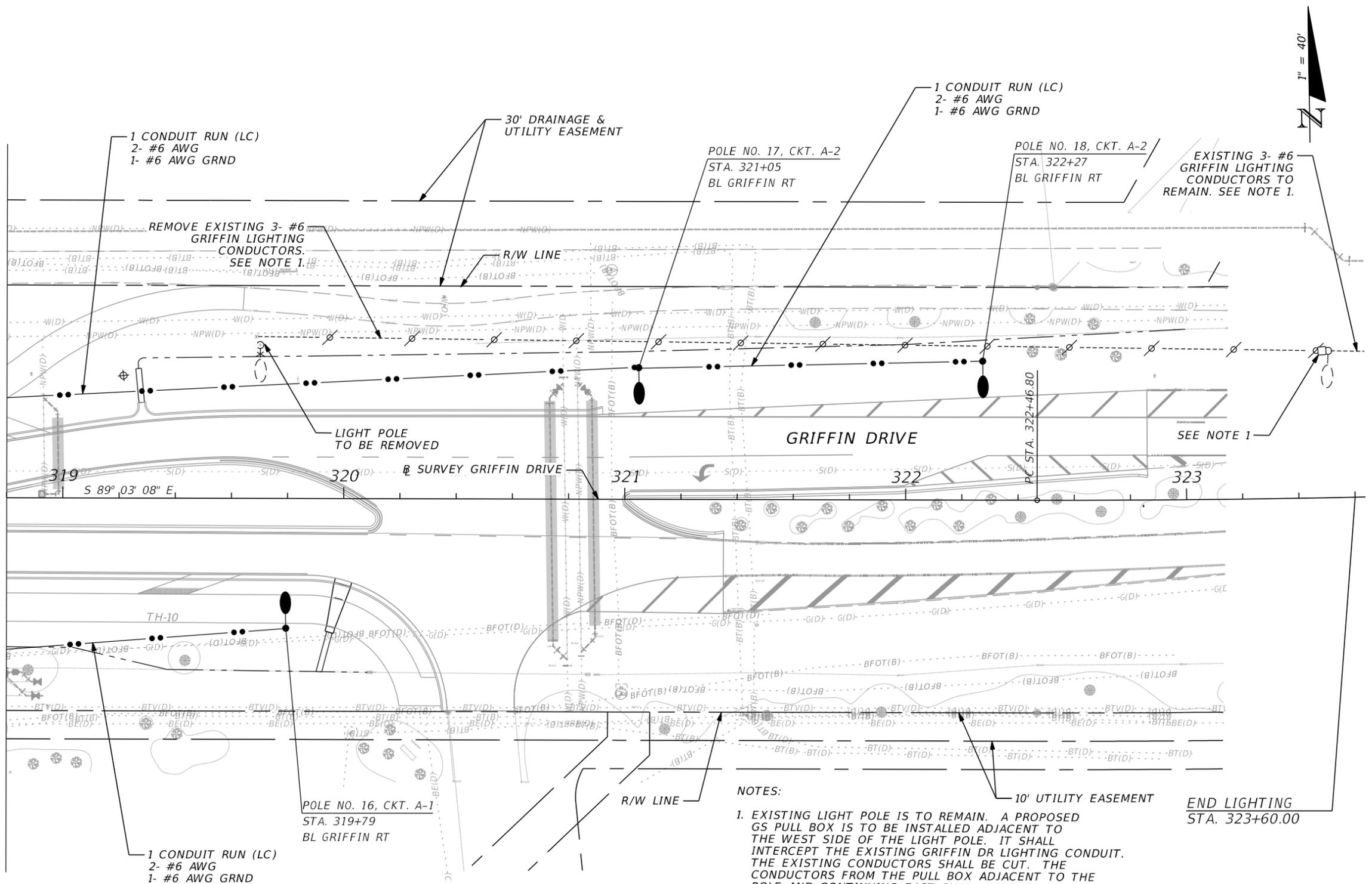


GATEWAY BOULEVARD AT GRIFFIN DRIVE  
 INTERSECTION CONTROL (ROUNDAABOUT)  
**LIGHTING PLAN (3)**

COUNTY PROJECT NO.	SHT. NO.
200671	L-8

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MATCHLINE STA. 318+80.00 LIGHTING PLAN (1)



**NOTES:**

- EXISTING LIGHT POLE IS TO REMAIN. A PROPOSED GS PULL BOX IS TO BE INSTALLED ADJACENT TO THE WEST SIDE OF THE LIGHT POLE. IT SHALL INTERCEPT THE EXISTING GRIFFIN DR LIGHTING CONDUIT. THE EXISTING CONDUCTORS SHALL BE CUT. THE CONDUCTORS FROM THE PULL BOX ADJACENT TO THE POLE AND CONTINUING EAST SHALL REMAIN. THE CONDUCTORS GOING WEST FROM THE PROPOSED PULL BOX TO THE END OF THE LIGHTING CIRCUIT AT THE EXISTING LIGHT POLE (APPROXIMATE STATION 319+70) SHALL BE REMOVED.
- THE POWER SERVICE FOR THE GRIFFIN DR EXISTING LIGHTING CIRCUIT IS LOCATED APPROXIMATELY 2,275 FEET TO THE EAST. THE SERVICE IS NEAR THE FPL TRANSFORMER ON THE SOUTH SIDE OF GRIFFIN DRIVE EAST OF PINWOOD LAKES DRIVE.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID J. ALLEN, PE  
P.E. NO.: 58540  
CARDNO  
3905 CRESCENT PARK DRIVE  
RIVERVIEW, FL 33578



GATEWAY BOULEVARD AT GRIFFIN DRIVE  
INTERSECTION CONTROL (ROUNDAABOUT)  
**LIGHTING PLAN (4)**

COUNTY PROJECT NO. 200671  
SHT. NO. L-9

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PANEL "A" SCHEDULE

Panel ID: <u>Proposed Load Center "A"</u>	Main Breaker: <u>100 A</u>
Location: <u>Sta. 148+38 BL GATEWAY, 34' LT From BOS</u>	Voltage: <u>120/240 V</u>
Mounting: <u>Pole</u>	Single Phase, 3-wire

	Circuit Description	Load (KVA)	Breaker	Pole	Bus	Pole	Breaker	Load (KVA)	Circuit Description	
1	A-1	0.479	20	2	A	2	20	0.761	A-2	2
3	↓	0.479			B			0.761	↓	4
5	A-3	0.527	20	2	A	2	20	0.474	A-4	6
7	↓	0.527			B			0.474	↓	8
9					A					10
11					B					12
13					A					14
15					B					16
17					A					18
19					B					20
21					A					22
23					B					24

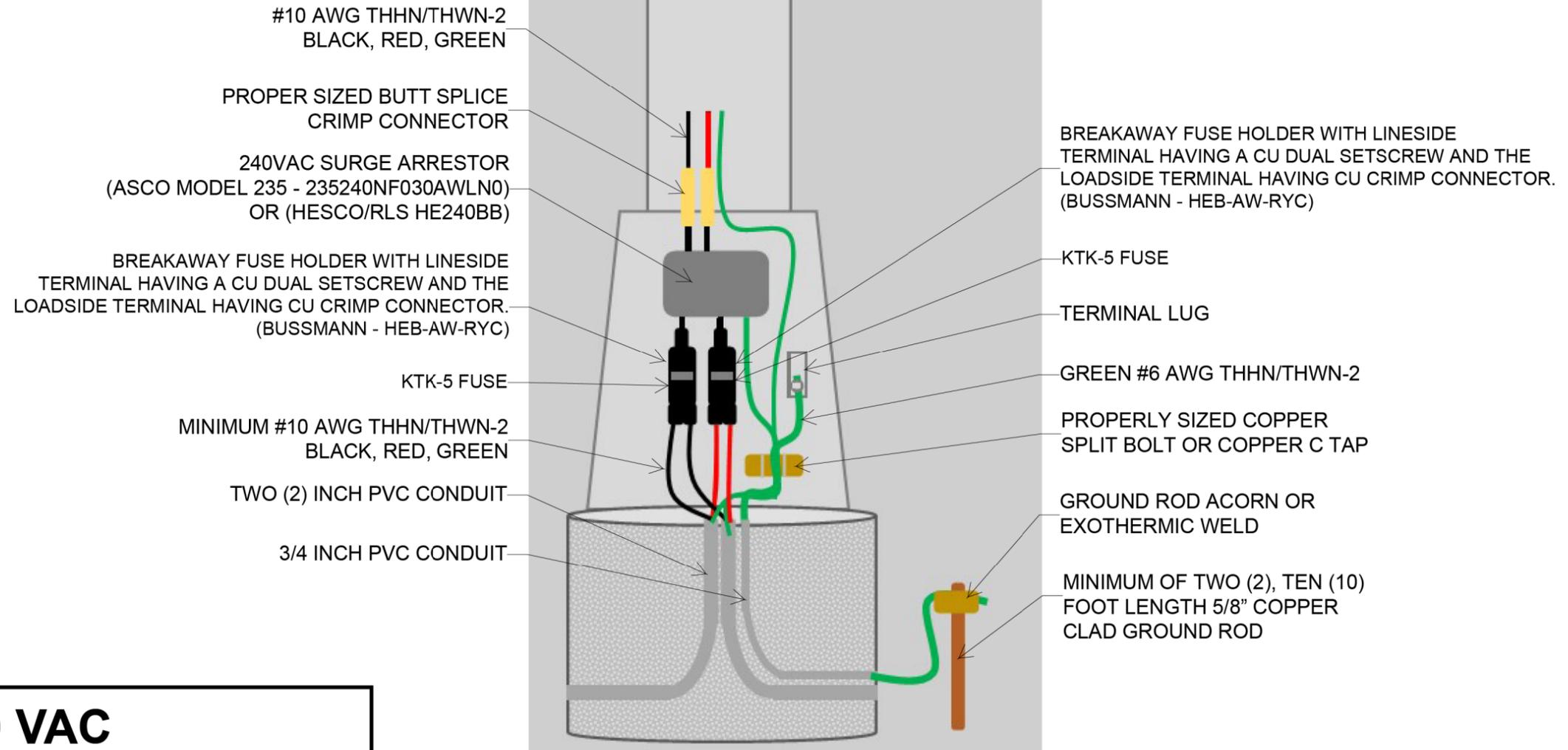
NOTES

- SAFETY SWITCH - 100 AMP F/A 100 AMP
- BOS = BACK OF SIDEWALK

TOTAL DEMAND                    4.479 KVA  
TOTAL DEMAND AMPS        18.66 AMPS

NO. OF POLES                    18

REVISIONS				DAVID J. ALLEN, PE P.E. NO.: 58540 CARDNO 3905 CRESCENT PARK DRIVE RIVERVIEW, FL 33578		GATEWAY BOULEVARD AT GRIFFIN DRIVE INTERSECTION CONTROL (ROUNDBOUT)	COUNTY PROJECT NO.	SHT. NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			PANEL SCHEDULE	200671	L-10

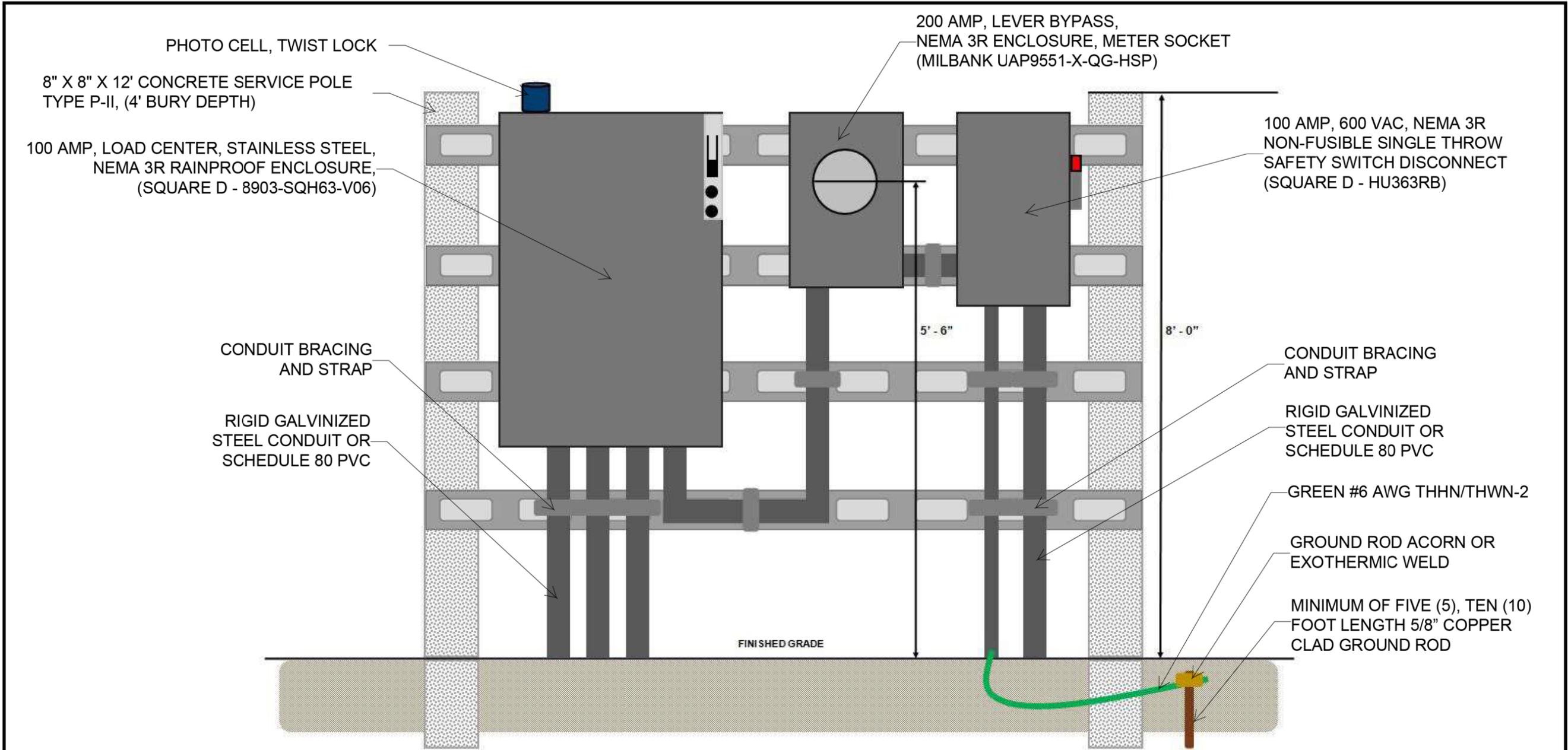


**240 VAC**

REVISION 11/13/2020	<b>Streetlight Pole Wiring Detail</b> Streetlight T-Base wiring connections	<b>Lee County Department of Transportation - Traffic</b> DRAWN BY: RYAN KIRSCH	<b>INDEX NO.</b> 21	<b>SHEET NO.</b> 2 of 4
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REVISIONS				DAVID J. ALLEN, PE P.E. NO.: 58540 CARDNO 3905 CRESCENT PARK DRIVE RIVERVIEW, FL 33578		GATEWAY BOULEVARD AT GRIFFIN DRIVE INTERSECTION CONTROL (ROUNDBOUT)		COUNTY PROJECT NO.	SHT. NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			STREETLIGHT POLE WIRING DETAIL		200671	L-11

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**Within 150' of Electrical Service Feed**

REVISION 11/16/2020	<b>Street lighting Service Point Detail</b> <b>Load Center, Secondary Voltage with Meter</b>	<b>Lee County Department of Transportation - Traffic</b> DRAWN BY: RYAN KIRSCH	<b>INDEX NO.</b> 21	<b>SHEET NO.</b>
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REVISIONS		DATE	DESCRIPTION	DAVID J. ALLEN, PE P.E. NO.: 58540 CARDNO 3905 CRESCENT PARK DRIVE RIVERVIEW, FL 33578		GATEWAY BOULEVARD AT GRIFFIN DRIVE INTERSECTION CONTROL (ROUNDABOUT)	COUNTY PROJECT NO.	SHT. NO.
DATE	DESCRIPTION							
						<b>STREET LIGHTING</b> <b>SERVICE POINT DETAIL</b>	200671	L-12

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