LEE COUNTY BOARD OF COUNTY COMMISSIONERS

PUBLIC WORKS ADMINISTRATION DEPARTMENT OF TRANSPORTATION CONTRACT PLANS

PLANS OF PROPOSED

LITTLETON / KISMET REALIGNMENT COUNTY PROJECT NO. CN160459DLK

LIGHTING PLANS

AYTONA BEACH LOCATION OF PROJECT https://goo.gl/maps/tz7mkKWKJV42

60% PLANS IN PROGRESS

LIGHTING PLANS ENGINEER OF RECORD:

PHUC H. DUONG, P.E.
P.E. No.: 63835
GANNETT FLEMING
9119 CORPORATE LAKE DRIVE, SUITE 150
TAMPA, FL 33634-6323
CONTRACT No.: C-9E24
VENDOR No.: 25-1613591 CERTIFICATE OF AUTHORIZATION No.: 5564

LEE COUNTY PROJECT MANAGER: VINCENT J. MILLER, P.E.

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SHEET NO.

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Florida Department of Transportation, FY2018-19 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

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2018 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

SHEET NO.

L-1

TABULATION OF QUANTITIES

	DESCRIPTION	UNIT	SHEET NUMBERS					1015 -		GRAND TOTAL		
PAY ITEM NO.	DESCRITTION		L - 5	L-6	L-7					SHL		
0-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	PLAN FINAL	PLAN FINAL	PLAN FINAL	PLAN FINAL	PLAN FINAL	PLAN FINAL	PLAN FINAL	PLAN	FINAL	PLAN FIN
	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF										
5-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA										
5 - 1 - 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF										
5 - 1 - 13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 - 2	LF										
5 - 4 - 12	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT	EA										
5 - 5 - 31	LUMINAIRE & BRACKET ARM- ALUMINUM, FURNISH & INSTALL NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE	EA										
	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA										
<u>i - 500 - 1</u>	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA										

	RE	PHUC H. DUONG. P.E.		
DATE	DESCRIPTION	DATE	DESCRIPTION	P.E. NO.: 63835
				GANNETT FLEMING
				9119 CORPORATE LAKE DR., SUITE 150
				TAMPA, FLORIDA 33634
				CERTIFICATE OF AUTHORIZATION No. 55

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION										
ROAD NO.	COUNTY	FINANCIAL PROJECT ID								
NA	LEE	CN160459DLK								

TABULATION OF QUANTITIES

SHEET NO.

16.00

GENERAL NOTES

1) BEFORE ANY PROJECT WORK BEGINS THERE SHALL BE A MAINTENANCE TRANSFER. THE MAINTENANCE WILL TRANSFER FROM LEE COUNTY DOT/TRAFFIC TO AN FDOT QUALIFIED ELECTRICAL CONTRACTOR NO LATER THAN THE DAY BEFORE THE PROJECT BEGINS. THE CONTRACTOR IS REQUIRED TO HAVE AN AUTHORIZED REPRESENTATIVE ONSITE TO ACCEPT THE MAINTENANCE TRANSFER AND TO WITNESS THE EXISTING CONDITION OF THE STREET LIGHTING SYSTEM.

2) ANY DEFICIENCIES THAT MAY BE FOUND ON THE DAY OF THE MAINTENANCE TRANSFER SHALL BE REPAIRED BY LEE COUNTY TRAFFIC AT THAT TIME. AFTER ANY DEFICIENCIES HAVE BEEN CORRECTED ON THE DAY OF THE TRANSFER, ANY AND ALL DEFICIENCIES FOUND FROM THAT DAY AND TIME SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

3) CONTRACTOR MAINTENANCE RESPONSIBILITIES: CONTRACTOR SHALL PROVIDE 24-HOUR CONTACT PERSON(S), TELEPHONE NUMBERS AND E-MAIL ADDRESSES AT THE TIME OF TRANSFER. FAILURE TO RESPOND TO MAINTENANCE RESPONSIBILITIES IN A TIMELY MANNER WILL TRIGGER A "VENDOR/CONTRACTOR COMPLAINT" NOTICE TO LEE COUNTY CONTRACTS AS WELL AS FDOT. TIMELY MANNER IN RESPONSE TO MAINTENANCE RESPONSIBILITIES IS DEFINED AS RESPONSE TO SITE NO LATER THAN TWO (2) HOURS AFTER NOTIFICATION. IN THE EVENT THAT LEE COUNTY FORCES ARE CALLED OUT TO RESPOND, THE CONTRACTOR WILL BE BILLED THE ENTIRE COST AS A "DEDUCT" ON THE NEXT PAYMENT REQUEST. BEING AN "OUT OF TOWN" CONTRACTOR DOES NOT RELIEVE THIS RESPONSIBILITY.

4) LOCATES: ONE (1) COURTESY LOCATE SHALL BE PERFORMED BY LEE COUNTY SIGNALS AT THE START OF THE PROJECT AT THE CONTRACTOR'S REQUEST. THE CONTRACTOR SHALL DOCUMENT THE LOCATION OF THE EXISTING UNDERGROUND AND ABOVE GROUND FACILITIES. AFTER THE COURTESY LOCATE, ALL LOCATES WITHIN THE PROJECT LIMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED IN A TIMELY MANNER. TIMELY MANNER IN RESPONSE TO LOCATES IS DEFINED AS LOCATE SHALL BE PERFORMED NO LATER THAN TWENTYFOUR (24) HOURS AFTER NOTIFICATION OR AS REQUIRED BY FLORIDA STATUTE. LEE COUNTY SIGNALS WILL ADVISE THE CONTRACTOR VIA E-MAIL OR FAX OF SUNSHINE LOCATE REQUESTS WITHIN THE WORK ZONE. ANY DAMAGE INCURRED DUE TO CONTRACTOR FAILURE TO LOCATE SHALL BE REPAIRED BY THE CONTRACTOR. SHOULD LEE COUNTY FORCES BE CALLED OUT TO MAKE REPAIRS DUE TO CONTRACTOR REFUSAL OR INABILITY TO MAKE REPAIRS, THE CONTRACTOR WILL BE BILLED THE ENTIRE COST AS A "DEDUCT" ON THE NEXT PAYMENT REQUEST AND WILL TRIGGER A "VENDOR/CONTRACTOR COMPLAINT" NOTICE TO BE FILED WITH LEE COUNTY CONTRACTS AS WELL AS FDOT. BEING AN "OUT OF TOWN" CONTRACTOR DOES NOT RELIEVE THIS RESPONSIBILITY.

5) DAMAGE TO EXISTING FACILITIES: ANY DAMAGE TO LEE COUNTY FACILITIES SHALL BE REPAIRED BY THE CONTRACTOR. REPAIRS SHALL BE MADE TO ENSURE FACILITIES ARE LIKE NEW OR BETTER. ANY DAMAGE TO EXISTING COMMUNICATION LINES SHALL NECESSITATE THE REMOVAL OF ALL DAMAGED LINES AND THE REPULLING OF NEW CABLE. SPLICING OF COMMUNICATION LINES WILL NOT BE ALLOWED. CAUTION SHALL BE EXERCISED DURING EXCAVATION NEAR EXISTING LEE COUNTY FIBER OPTIC LINES, SINCE MANY ENTITIES USE THESE FACILITIES. SHOULD DAMAGE OCCUR TO FIBER OPTIC LINES, LEE COUNTY WILL DECIDE WHICH QUALIFIED FIBER OPTIC SPLICING COMPANY WILL BE USED TO MAKE REPAIRS. CONTRACTOR WILL BE RESPONSIBLE FOR ALL REPAIR COSTS INCURRED, WHETHER REPAIRS ARE MADE BY LEE COUNTY OR A THIRD PARTY.

6) EXISTING EQUIPMENT: SHALL BE RETURNED TO LEE COUNTY DOT/TRAFFIC IN GOOD OPERATING CONDITION AND IN THE SAME CONDITION AS ON THE DAY OF THE MAINTENANCE TRANSFER AT 5650 ENTERPRISE PARKWAY, FORT MYERS, FL 33905 IN A TIMELY MANNER. TIMELY MANNER FOR EXISTING EQUIPMENT IS DEFINED AS NO LATER THAN 72 HOURS AFTER DISCONNECTION. THE CONTRACTOR SHALL NOTIFY LEE COUNTY OF THE DISCONNECTION 24 HOURS IN ADVANCE TO SCHEDULE THE DELIVERY OF THE EQUIPMENT SO THAT DELIVERY TAKES PLACE DURING A REGULAR BUSINESS DAY AND HOURS. FAILURE TO PERFORM AS OUTLINED IN THIS PARAGRAPH WILL RESULT IN NO INSPECTION AT COMPLETION UNTIL CONTRACTOR IS IN COMPLIANCE WITH THIS REQUIREMENT. LEE COUNTY SIGNALS WILL WITHHOLD PAYMENT REQUESTS UNTIL LEE COUNTY PROPERTY IS DELIVERED TO 5650 ENTERPRISE PARKWAY, FORT MYERS, FL 33905.

7) TWENTY-FOUR (24) HOUR NOTICE IS REQUIRED TO THE INSPECTOR SHOWN IN THE PLAN SET GENERAL NOTES. SHOULD THE INFORMATION BE MISSING, THE CONTRACTOR IS HEREBY DIRECTED TO CALL LEE COUNTY SIGNALS AT 239-533-9500 AND ASK FOR THE SIGNAL INSPECTION DEPARTMENT.

REVISIONS				PHUC H. DUONG, P.E. STATE OF FLORI.				П
DATE	DESCRIPTION	DATE	DESCRIPTION	P.E. NO.: 63835	DEP	ARTMENT OF TRAN		
				GANNETT FLEMING		.DI GILIIIIII		
				9119 CORPORATE LAKE DR., SUITE 150	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	ĺ
				TAMPA, FLORIDA 33634				1
			CERTIFICATE OF AUTHORIZATION No. 5		NA	LEE	CN160459DLK	

GENERAL NOTES

SHEET NO.

POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM	OPTION
1	A-1	9+81.58	8.0'	149	30'	4' FROM EOP	715-4-12	NEW
2	A-1	10+40.70	8.0'	149	30'	17' FROM EOP	715-4-12	NEW
3	A-1	10+66.17	8.0'	149	30'	10' FROM EOP	715-4-12	NEW
4-EXT	UNK	NA	8.0'	149	TBD	NA	715-5-31	RETRO
1	A-2	22+01.53	8.0'	177	30'	16' FROM EOP	715-4-12	NEW
2	A-2	22+77.69	8.0'	177	30'	18' FROM EOP	715-4-12	NEW
3	A-2	24+20.41	8.0'	177	30'	24' FROM EOP	715-4-12	NEW
4	A-2	25+09.56	8.0'	177	30'	24' FROM EOP	715-4-12	NEW
5	A-2	24+74.87	8.0'	177	30'	18' FROM EOP	715-4-12	NEW
6	A-2	23+19.34	8.0'	177	30'	18' FROM EOP	715-4-12	NEW
7	A-2	23+93.48	8.0'	177	30'	10' FROM EOP	715-4-12	NEW
8	A-2	23+00.34	8.0'	177	30'	20' FROM EOP	715-4-12	NEW
9	A-2	22+17.28	8.0'	177	30'	19' FROM EOP	715-4-12	NEW

CONVENTIONAL LIGHTING DESIGN CRITERIA

Average Initial Horizontal Intensity 3.0 Foot Candles
Average Initial Vertical Intensity 2.3 Foot Candles
Uniformity Ratio Avg./Min. 4:1 Or Less
Max./Min. 10:1 Or Less
Wind Speed 170 MPH

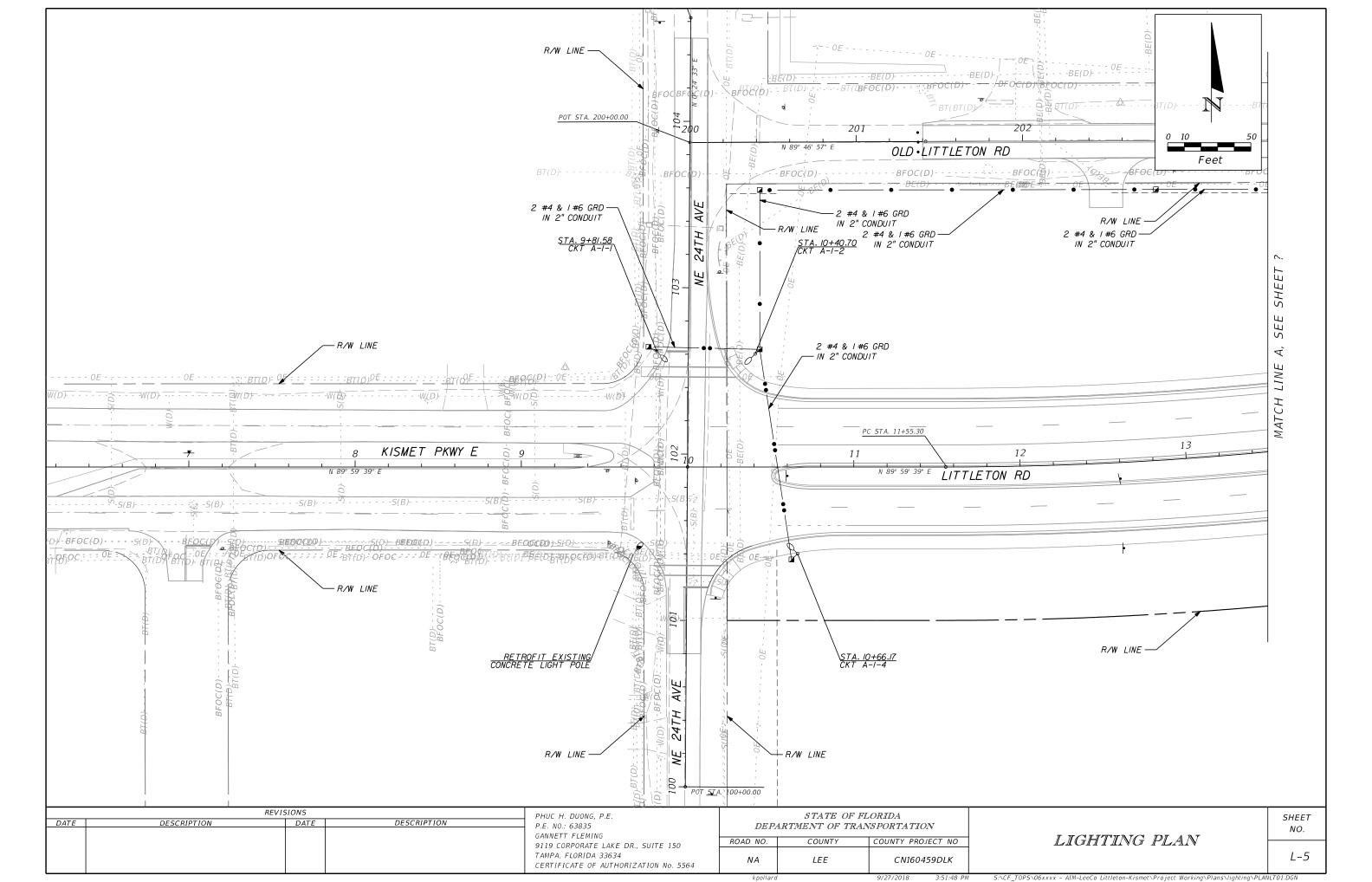
LEGEND

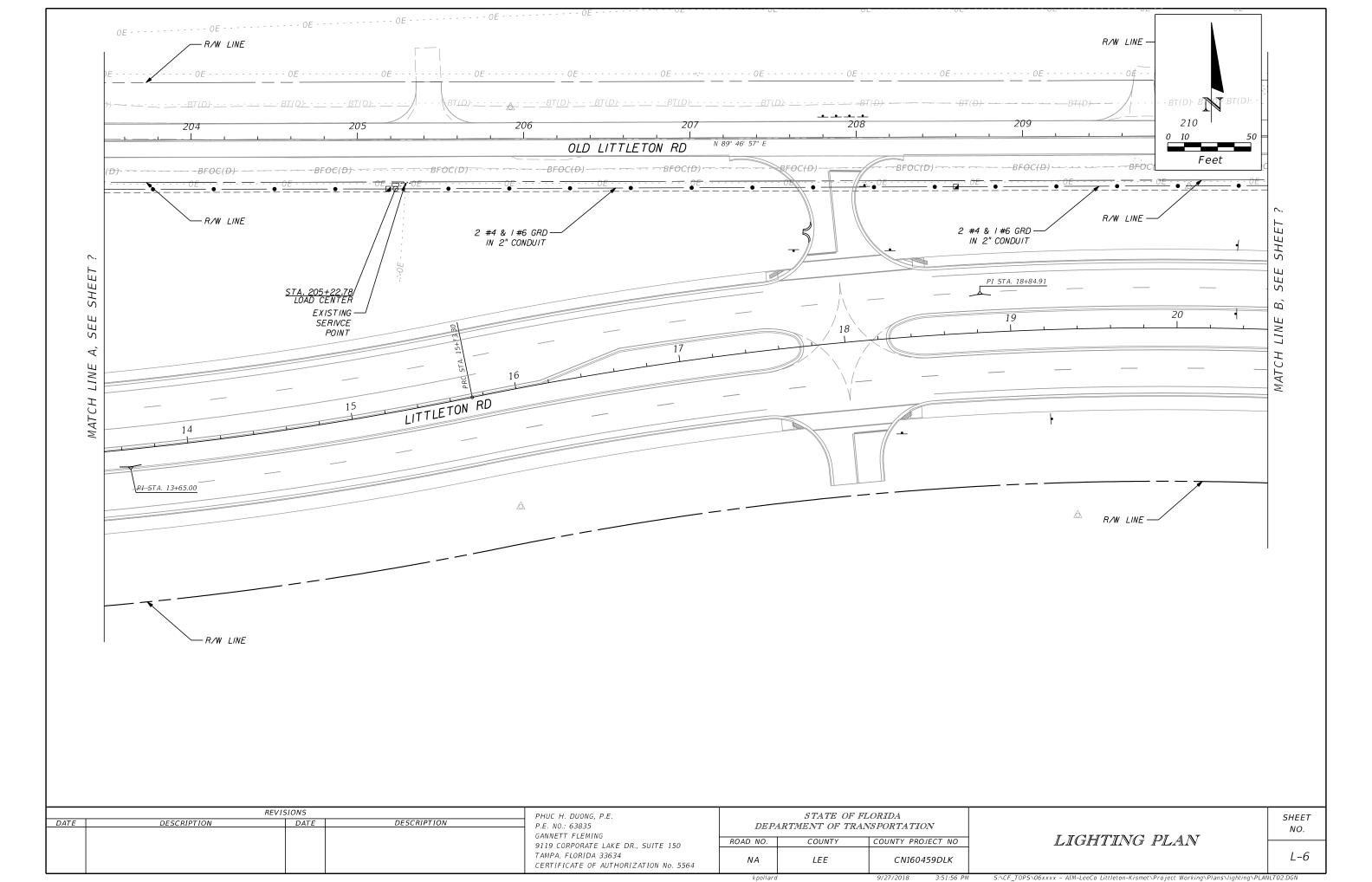
SYMBOLS	DESCRIPTION
\bigcirc	Single arm conventional LED luminaire. Designed for Type distribution. Luminaire wired for volt operation. Pole mounting height ft. Use curve or equal.
—	Single arm conventional LED luminaire. Designed for Type distribution. Luminaire wired for volt operation. Pole mounting height ft. Use curve or equal.
•	Schedule 40 PVC conduit with THW or THWN conductors inside (conduit and conductor size as shown on plan sheets). Run one (1) 6 AWG copper bond conductor (TW green insulatio inside conduit with other conductors.
••	Galvanized metal conduit with THW or THWN conductors inside (conduit and conductor size as shown on plan sheets).
	Pull box. For specifications see Section 635 of Standard Specifications For Road And Bridge Construction.
	Distribution point. For requirements see Index No. 17504 of Design Standards.

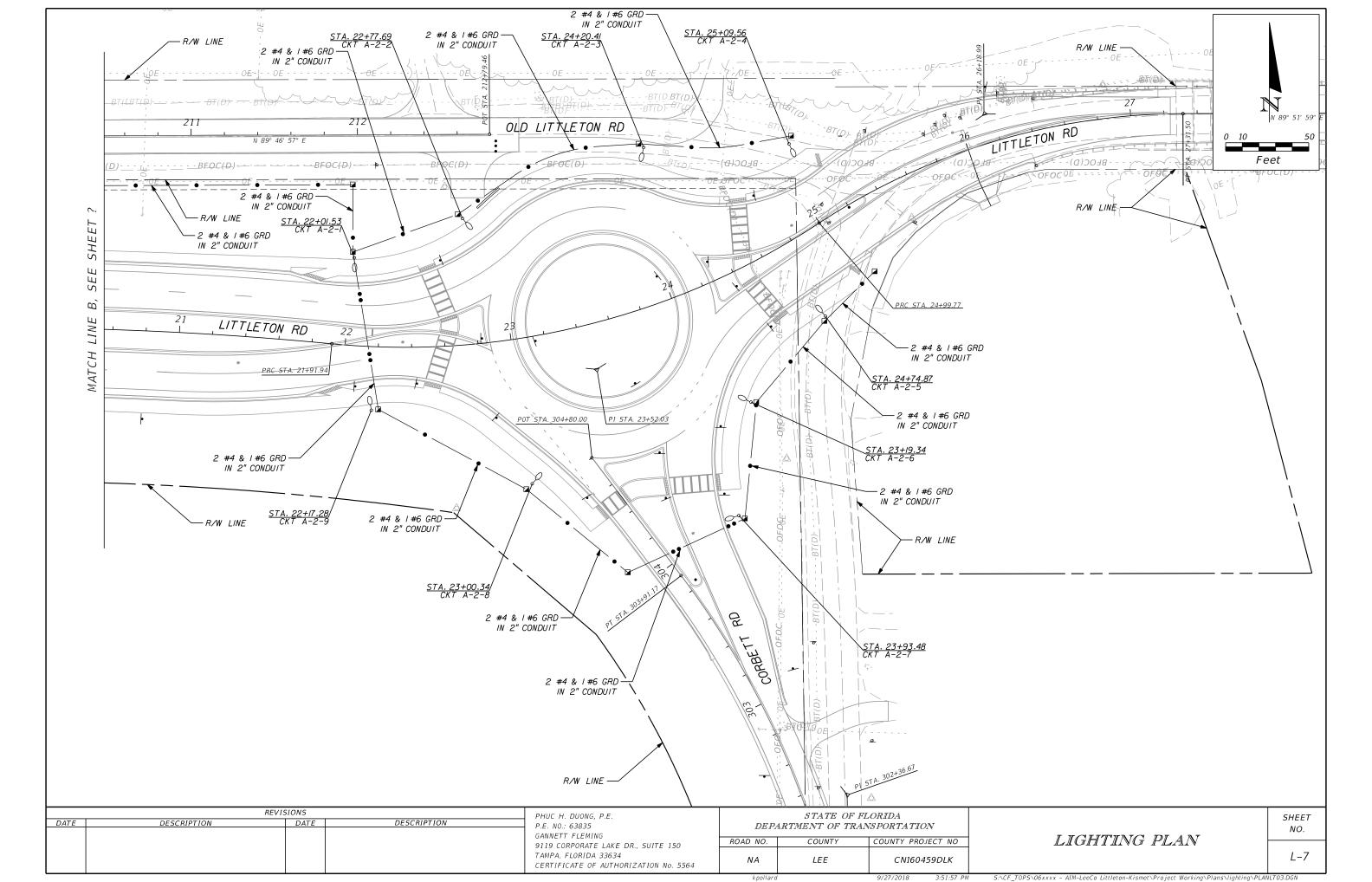
	REV	PHUC H. DUONG, P.E.		
DATE	DESCRIPTION	DATE	DESCRIPTION	P.E. NO.: 63835
				GANNETT FLEMING
				9119 CORPORATE LAKE DR., SUITE 150
				TAMPA, FLORIDA 33634
				CERTIFICATE OF AUTHORIZATION No. 5564

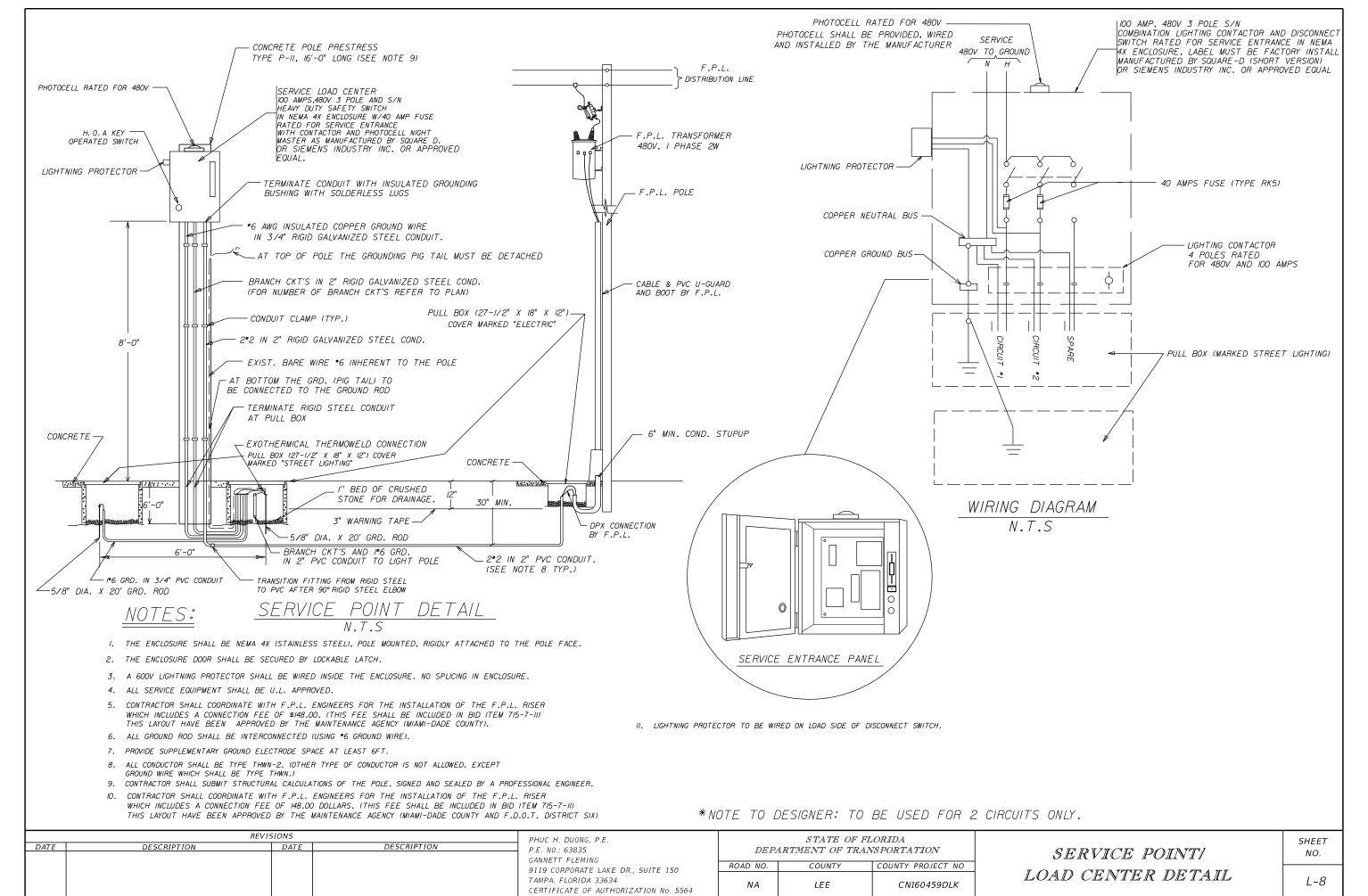
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION								
ROAD NO.	COUNTY	COUNTY PROJECT NO						
NA	LEE	CN160459DLK						

POLE DATA AND LEGEND SHEET NO.

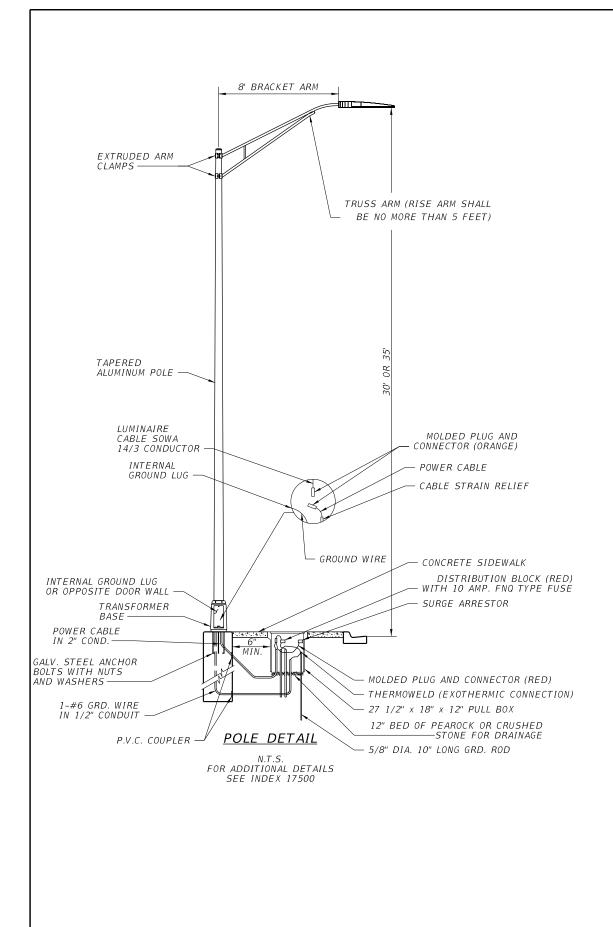








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DATE	DESCRIPTION	DATE	DESCRIPTION	P.E. NO.: 63835
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				9119 CORPORATE LAKE DR., SUITE 150
				TAMPA, FLORIDA 33634
				CERTIFICATE OF AUTHORIZATION No. 5564

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION COUNTY PROJECT NO ROAD NO. COUNTY LEE CN160459DLK

LUMINAIRE DETAIL

SHEET NO. L-9