

LEE COUNTY

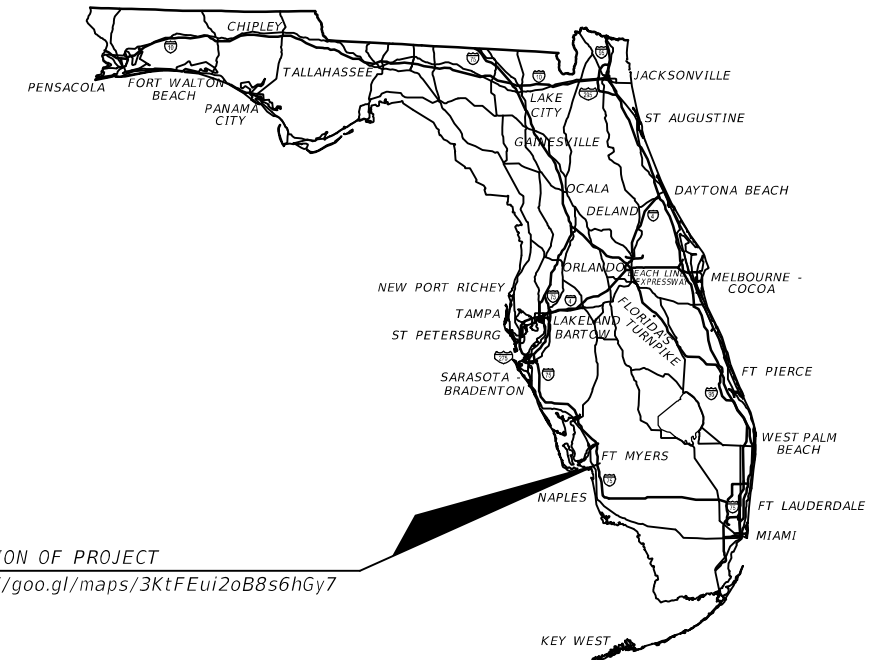
*SANDY LANE BICYCLE/
PEDESTRIAN IMPROVEMENTS*

LEE COUNTY, FLORIDA
COUNTY PROJECT ID# CN 2022-02

LIGHTING PLANS

INDEX OF LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
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L-7 - L-13	LIGHTING PLAN SHEETS



100% PLAN SUBMITTAL
MAY, 2023

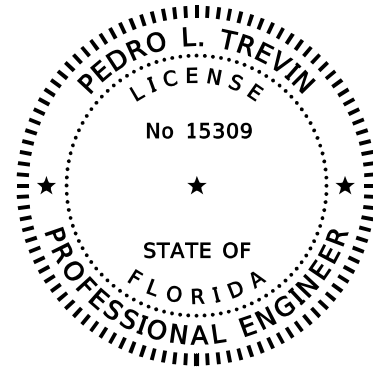
PLANS PREPARED BY:

ATKINS

800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
FBPE CERTIFICATE OF
AUTHORIZATION NO. 24

LIGHTING PLANS ENGINEER OF RECORD
PEDRO L. TREVIN, P.E.
P.E. # 15309

FISCAL YEAR	SHEET NO.
2022	L-1



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

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ATKINS NORTH AMERICA, INC.
800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
CERTIFICATE OF AUTHORIZATION NO.: 24
PEDRO L. TREVIN, P.E. NO. 15309

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

LIGHTING PLANS

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REVISIONS				 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 PEDRO L. TREVIN, P.E. #15309	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS		 Village of ESTERO	SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT #			L-2
					VILLAGE OF ESTERO	CN 2022-02			

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	918		1037		835		1140		993		955		987		6865		6865	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF			83		112		91		127		165		62		640		640	
630-2-15	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT	LF					173										173		173	
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	11		11		17		15		14		17		15		100		100	
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND METER PURCHASED BY CONTRACTOR	AS	1						1								2		2	
639-2-1	ELECTRICAL SERVICE WIRE, F&I	LF	20						40								60		60	
639-3-1	SERVICE DISCONNECT, F&I	EA	1						1								2		2	
641-2-11	PRESTRESSED CONCRETE POLE, F&I, TYPE 11	EA	1						1								2		2	
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8 - 6	LF	3114		3388		5808		5004		5376		5888		5265		33843		33843	
715-511-115	LIGHT POLE COMPLETE - SPECIAL DESIGN, FURNISH & INSTALL, SINGLE ARM SHOULDER MOUNT, ALUMINUM, 15' MOUNTING HEIGHT	EA	6		7		7		7		7		7		7		48		48	
715-511-130	LIGHT POLE COMPLETE - SPECIAL DESIGN, FURNISH & INSTALL, SINGLE ARM SHOULDER MOUNT, ALUMINUM, 30' MOUNTING HEIGHT	EA	4		4		4		4		4		4		4		28		28	
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	1						1								2		2	
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	10		11		11		11		11		11		11		76		76	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ATKINS
 800 WATERFORD WAY, SUITE 700
 MIAMI, FLORIDA 33126
 FBPE CERTIFICATE OF AUTHORIZATION NO. 24
 PEDRO L. TREVIN, P.E. #15309

SANDY LANE BICYCLE/
 PEDESTRIAN IMPROVEMENTS

CLIENT: VILLAGE OF ESTERO PROJECT #: CN 2022-02



TABULATION OF QUANTITIES

SHEET NO.
L-3

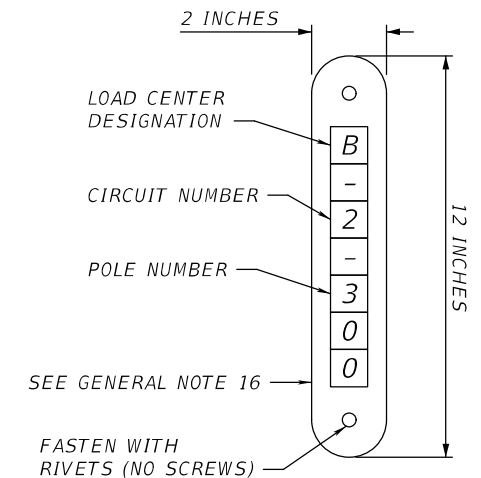
GENERAL NOTES

- SPARE CONDUIT AT PAVEMENT CROSSING SHALL BE CAPPED AT BOTH ENDS AND TERMINATED IN PULL BOX.
- 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.
- AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE WITHIN 2' OF THE LIGHTING POLE FOUNDATIONS OR CONDUIT RUN, HAND DIG THE FIRST 4" OF THE HOLE FOR THE POLE FOUNDATION AND CONDUIT RUN.
- THE LOCATION OF THE POLES, CONDUCTORS, CONDUITS, PULL BOXES AND SERVICE POLES ARE DIAGRAMMATIC ONLY AND MAY BE SHIFTED BY THE ENGINEER TO ACCOMMODATE LOCAL CONDITIONS AND EXISTING UTILITY LOCATIONS.
- CONDUIT LOCATION AS SHOWN ON PLANS IS DIAGRAMMATIC. CONDUIT SHALL BE PLACES WITHIN THE RIGHT-OF-WAY BUT CAN BE ADJUSTED TO FIT AROUND EXISTING AND PROPOSED UTILITIES.
- ALL ELECTRICAL WORK SHALL MEET ALL REQUIREMENTS OF THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE AND THE NATIONAL ELECTRICAL SAFETY CODE. ALL COMPONENTS SHALL BE PROPERLY GROUNDED AND BONDED PER THE NATIONAL ELECTRICAL CODE REQUIREMENTS.
- ALL WORK SHALL COMPLY WITH THE OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA) OHE CLEARANCE REQUIREMENTS.
- WHEN POLE AND PULLBOX CONCRETE SLABS ARE ADJACENT TO SIDEWALK, THEY SHALL BE SET AT THE SAME GRADE AS THE SIDEWALK FOR THE CONCRETE FINISH SURFACE.
- THE LIGHTING SYSTEM WILL BE MAINTAINED BY VILLAGE OF ESTERO UPON FINAL ACCEPTANCE.
- SEE ROADWAY PLANS FOR UTILITY CONTACTS AND VVH INFORMATION.
- PAY ITEM 715-511-115 AND 715-511-130: SHALL INCLUDE THE POLE, LUMINAIRE WITH LAMP, ANCHOR BOLTS WITH LOCK NUTS AND WASHERS. FRANGIBLE TRANSFORMER TYPE BASE, ARM AND FOUNDATION AS INDICATED IN THE STANDARDS PLANS OR SPREAD FOOTINGS AS INDICATED IN THESE PLANS. THE COST OF MISCELLANEOUS CONCRETE FOR THE CONCRETE SLABS SHALL BE INCLUDED FOR STANDARD AND SPREAD FOOTER LOCATIONS.
- PAY ITEM 715-7-11: SHALL INCLUDE METER BASE, NEMA 4X ENXLOSED CIRCUIT BREAKER ON LINE AND LOAD SIDE OF METER AT RISER POLE, WEATHERHEADS, FUSED CONTROL POWER TRANSFORMERS, ENCLOSURES, PANEL BOARDS, BREAKERS, FUSES, LIGHTING PROTECTOR, PHOTO-ELECTRIC ASSEMBLY, CONDUIT AND FEEDER CONDUCTORS FROM POWER COMPANY POINT OF SERVICE TO LIGHTING CONTROL PANEL, PULL BOXES, AND ALL MISCELLANEOUS HARDWARE FOR A COMPLETE INSTALLATION AS PER PLANS AND STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS PLANS INDEX 639-001. SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING TYPE P-11 CONCRETE RISER POLE AND/OR PEDESTAL POLE.
- PRIOR TO ANY EQUIPMENT ORDER, SUBMIT FOR APPROVAL EQUIPMENT SPECIFICATION OR DESIGN DATA FOR ALL MATERIAL PROSPED FOR THE PROJECT. IF OTHER THAN THE BASES OF DESIGN IS PROPOSED THESE MUST SPECIFICALLY INCLUDE:
 - LUMINAIRE PHOTOMETRICS. SEE NOTE 14.
 - POLE STRENGTH CALCULATIONS
 - POLE FRANGIBILITY TEST
 - BOLT SPECIFICATIONS AND BOLT CIRCLE DIAMETER
 - POLE SHOP DRAWINGS
 - SERVICE POINT EQUIPMENT

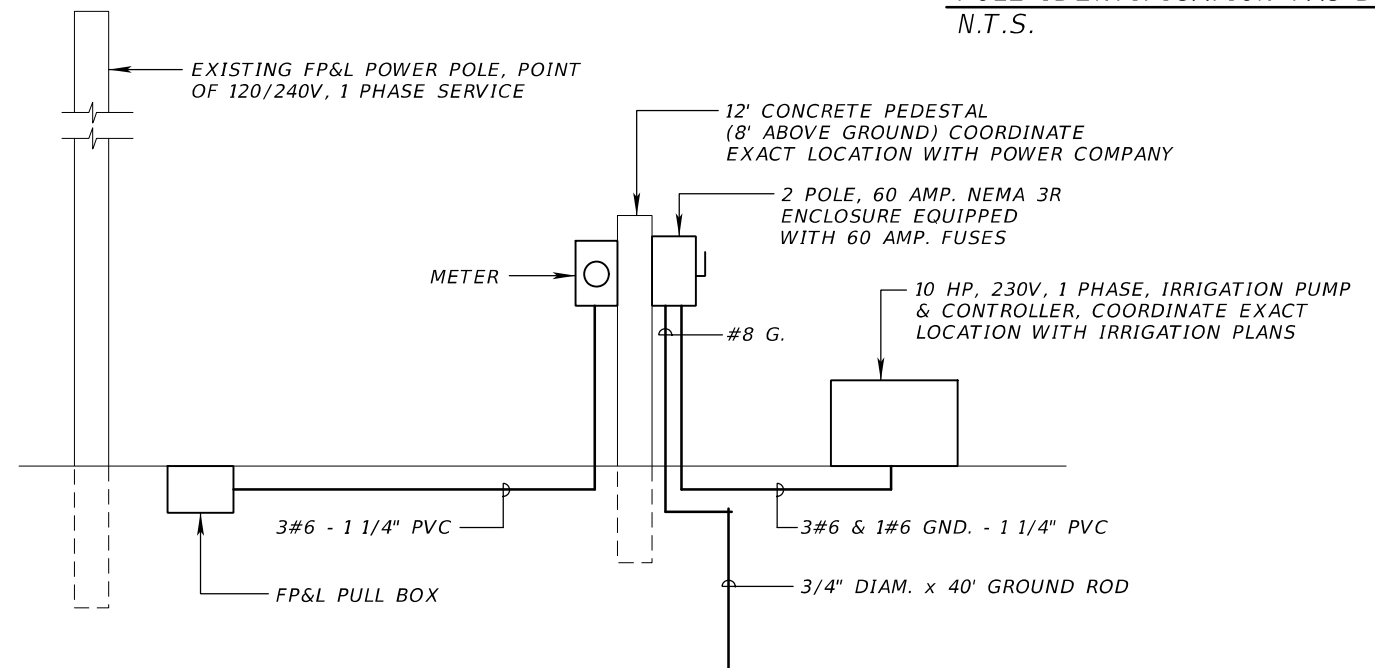
SHOP DRAWINGS AND DESIGN DATA FOR ROADWAY LIGHTING EQUIPMENT SHALL BE SUBMITTED THROUGH e-BUILDER.
- SHOP DRAWING SUBMITTAL DATA SHALL INCLUDE A COMPUTER PRINTOUT PER FDOT FDM 231 SHOWING HORIZONTAL FOOT-CANDLE LEVELS TO BE OBTAINED USING THE SUBMITTED LUMINAIRES ON THIS PROJECT, IF OTHER THAN THE BASIS OF DESIGN. AT FINAL INSPECTION MEASURE THE HORIZONTAL FOOT-CANDLE LEVELS ON THE ROADWAY AND SHARED USE PATH WITH AN APPROVED CURRENTLY CALIBRATED LIGHT METER, AND SUBMIT REPORT FOR APPROVAL.

- 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 ROADWAY LIGHTING POLE.
- FURNISH AND INSTALL A 2"x8" TAG NUMBER FOR EACH POLE AS INDICATED ON THE POLE DATA SHEET. POLE NUMBER SHALL BE PLACED AT APPROXIMATELY BREAST HEIGHT 45 DEGRESS FROM PERPENDICULAR TO ROADWAY AND VISIBLE IN THE DIRECTION OF THE TRAVEL LANE. DIGIT NUMBER SHALL BE PLACED VERTICAL.
- THE WIRES AT THE POLE HANDHOLES AND PULLBOXES SHALL BE PLACED IN THE POLE AND PULL BOXES WITH A MINIMUM 24-INCH BY 10-INCH DIAMETER COILED CONDUCTOR MAINTENANCE LOOP SECURED WITH PLASTIC TIE WRAP.

VOLTAGE DROP CALCULATIONS			
FROM FPL POWER POLE TO THE IRRIGATION PUMP DISCONNECT			
ELECTRICAL TOTAL DEMAND LOAD	=	12,480	VA
CIRCUIT AMPERES (25% SPARE INCLUDED)	=	52.0	A
LENGTH OF CONDUCTORS	=	50	FT
NEC 310-16 SIZE OF CONDUCTORS	=	#6	AWG
CIRCULAR MIL AREA	=	26.2	KCMIL
VOLTAGE DROP	=	2.6	V
VOLTAGE DROP %	=	1.1	%
NOTES:			
1. RESISTANCE OF COPPER CALCULATED AT 12.9 OHMS/MILxFT AT 75°.			
2. COMPLIES WITH FBC 13-413 AND NEC 210.19(A) (1) FPN#4.			
3. FEEDERS DO NOT NEED TO BE OVERSIZED DUE TO VOLTAGE DROPS.			



POLE IDENTIFICATION TAG DETAIL
N.T.S.



POWER RISER DIAGRAM - IRRIGATION PUMP
N.T.S. (COORDINATE WORK WITH FPL)
(MICHAEL MARTINEZ, 239-353-6407)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ATKINS
800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
FBPE CERTIFICATE OF AUTHORIZATION NO. 24
PEDRO L. TREVIN, P.E. #15309

SANDY LANE BICYCLE/
PEDESTRIAN IMPROVEMENTS

CLIENT: VILLAGE OF ESTERO
PROJECT #: CN 2022-02



GENERAL NOTES, RISER
DIAGRAM AND TAG DETAIL

SHEET
NO.

L-4

POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
101	A-1	100+90 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
102	A-1	102+20 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
103	A-1	103+64 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
104	A-1	105+05 LT @ SURVEY SANDY LANE	6'	199	28'	20' EOTL	715-511-130 *
105	A-1	106+45 LT @ SURVEY SANDY LANE	6'	199	28'	20' EOTL	715-511-130 *
106	A-1	107+85 LT @ SURVEY SANDY LANE	6'	199	28'	20' EOTL	715-511-130 *
107	A-1	109+28 LT @ SURVEY SANDY LANE	6'	199	28'	20' EOTL	715-511-130 *
108	A-1	110+68 LT @ SURVEY SANDY LANE	6'	199	28'	20' EOTL	715-511-130
109	A-1	111+84 LT @ SURVEY SANDY LANE	6'	199	28'	5' FOG	715-511-130
110	A-1	113+20 LT @ SURVEY SANDY LANE	6'	199	28'	20' EOTL	715-511-130
111	A-1	114+65 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
112	A-1	116+10 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
113	A-1	117+35 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
114	A-1	118+63 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
115	A-2	119+98 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
116	A-2	121+16 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
117	A-2	122+50 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
118	A-2	123+86 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
119	A-2	125+30 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
120	A-2	126+75 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
121	A-2	128+20 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
122	A-2	129+67 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
123	A-2	131+09 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
124	A-2	132+60 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
125	A-2	134+03 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
126	A-2	135+50 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
127	A-2	136+95 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
128	A-2	138+35 LT @ SURVEY SANDY LANE	6'	199	28'	AT R/W LINE	715-511-130
201	A-3	101+15 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
202	A-3	101+91 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
203	A-3	102+79 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
204	A-3	103+48 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
205	A-3	104+28 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
206	A-3	105+08 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
207	A-3	105+88 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
208	A-3	106+66 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
209	A-3	107+50 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
210	A-3	108+25 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
211	A-3	108+98 RT @ SURVEY SANDY LANE	2'	44	14'	6.5' FOC	715-511-115
212	A-3	109+81 RT @ SURVEY SANDY LANE	2'	44	14'	6.5' FOC	715-511-115
213	A-3	110+58 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
214	A-3	111+33 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
215	A-3	112+08 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
216	A-3	112+91 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
217	A-3	113+77 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
218	A-3	114+62 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115

EOTL = EDGE OF TRAVEL LANE FOC = FACE OF CRUB FOG = FACE OF GUARDRAIL
 * PROVIDE SPREAD FOOTING FOUNDATION PER STANDARD PLANS INDEX 715-002 PAGE 5 OF 9

CONVENTIONAL LIGHTING DESIGN CRITERIA

Average Maintained Intensity 0.8 Foot Candles
 Uniformity Ratio Avg./Min. 4:1 Or Less
 Max./Min. 10:1 Or Less








SHARED USE PATH LIGHTING DESIGN CRITERIA



Average Maintained Intensity 2.0 Foot Candles
 Uniformity Ratio Avg./Min. 3:1 Or Less
 Max./Min. 10:1 Or Less

LEGEND

SYMBOLS

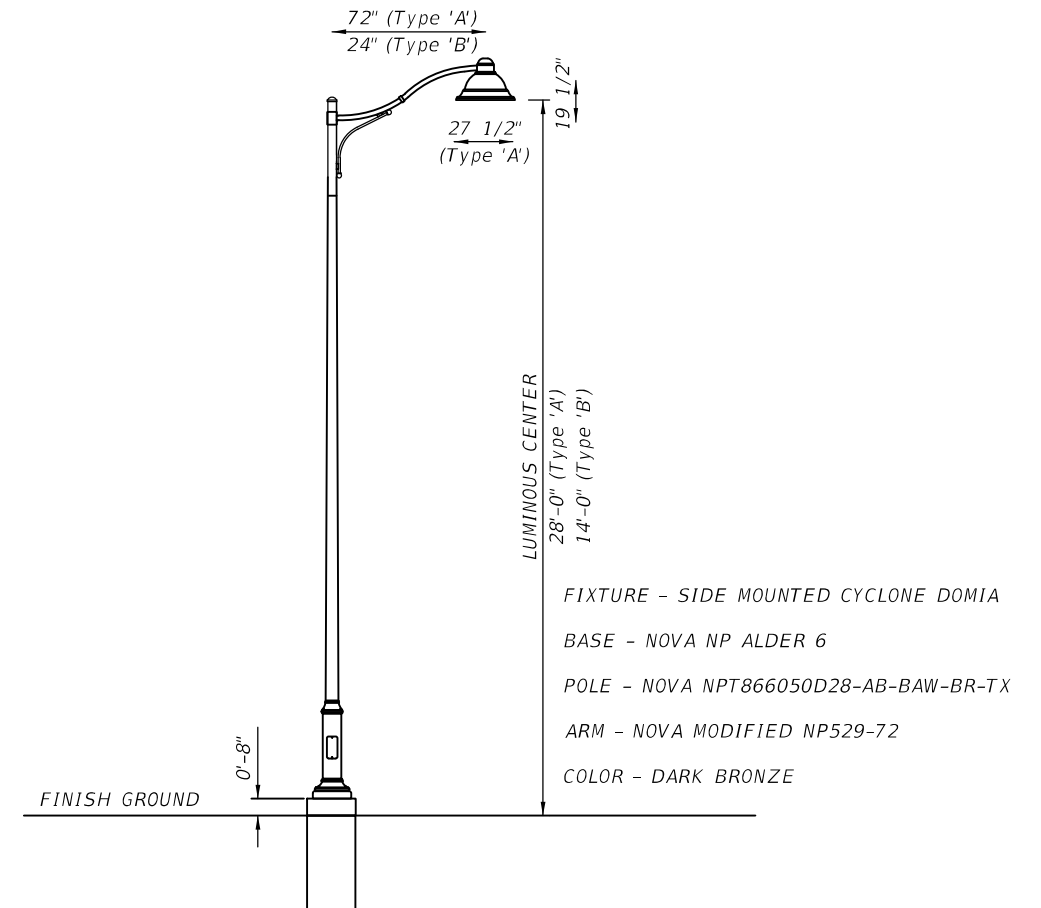
DESCRIPTION

-  Single arm decorative 26,000 lumens LED luminaire. Designed for Type IV distribution with front house shield and side mount adapter. Luminaire wired for 240 volt operation. Pole mounting height 28 ft. with 6 ft. arm. Basis of Design Cyclone Lighting Domia CY55P1A FGC T4HS P110 30K BZ. (Type 'A'), Symbol includes pull box and pole cable distribution system, paid for separately.
-  Single arm decorative 6,500 lumens LED luminaire. Designed for Type IA distribution with back house shield and side mount adapter. Luminaire wired for 240 volt operation. Pole mounting height 14 ft. with 2 ft. arm. Basis of Design Cyclone Lighting Domia CY55P1A FGC T1AHS P30 30K BZ. (Type 'B'), Symbol includes pull box and pole cable distribution system, paid for separately.
-  Open Trench Schedule 40 PVC 2" conduit with THWN-2 conductors inside. Run one (1) #6 AWG minimum copper bond conductor (THWN-2 green insulation) inside conduit with other conductors (conductor size as shown on plan sheets). 2#6 & 1#6 gnd, unless otherwise noted.
-  Surface Bridge mounted 2" Galvanized metal conduit with THWN-2 conductors inside. Run one (1) #6 AWG minimum copper bond conductor (THWN-2 green insulation) inside conduit with other conductors (conductor size as shown on plan sheets). 2#6 & 1#6 gnd, unless otherwise noted.
-  2-2" Directional bore HDPE UL Listed conduit and transition coupling with THWN-2 conductors inside, one conduit is spare. Run one (1) #6 AWG minimum copper bond conductor (THWN-2 green insulation) inside conduit with other conductors (conductor size as shown on plan sheets). 2#6 & 1#6 gnd, unless otherwise noted.
-  Pull box. For specifications see Section 635 of Standard Specifications For Road And Bridge Construction.
-  Distribution point. For requirements see Index No. 639-001 of Design Standards, except 120/240 volts, single-phase, three wires.

REVISIONS				 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 PEDRO L. TREVIN, P.E. #15309	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS		 VILLAGE OF ESTERO	POLE DATA AND LEGEND	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT #			
					VILLAGE OF ESTERO	CN 2022-02			

POLE DATA

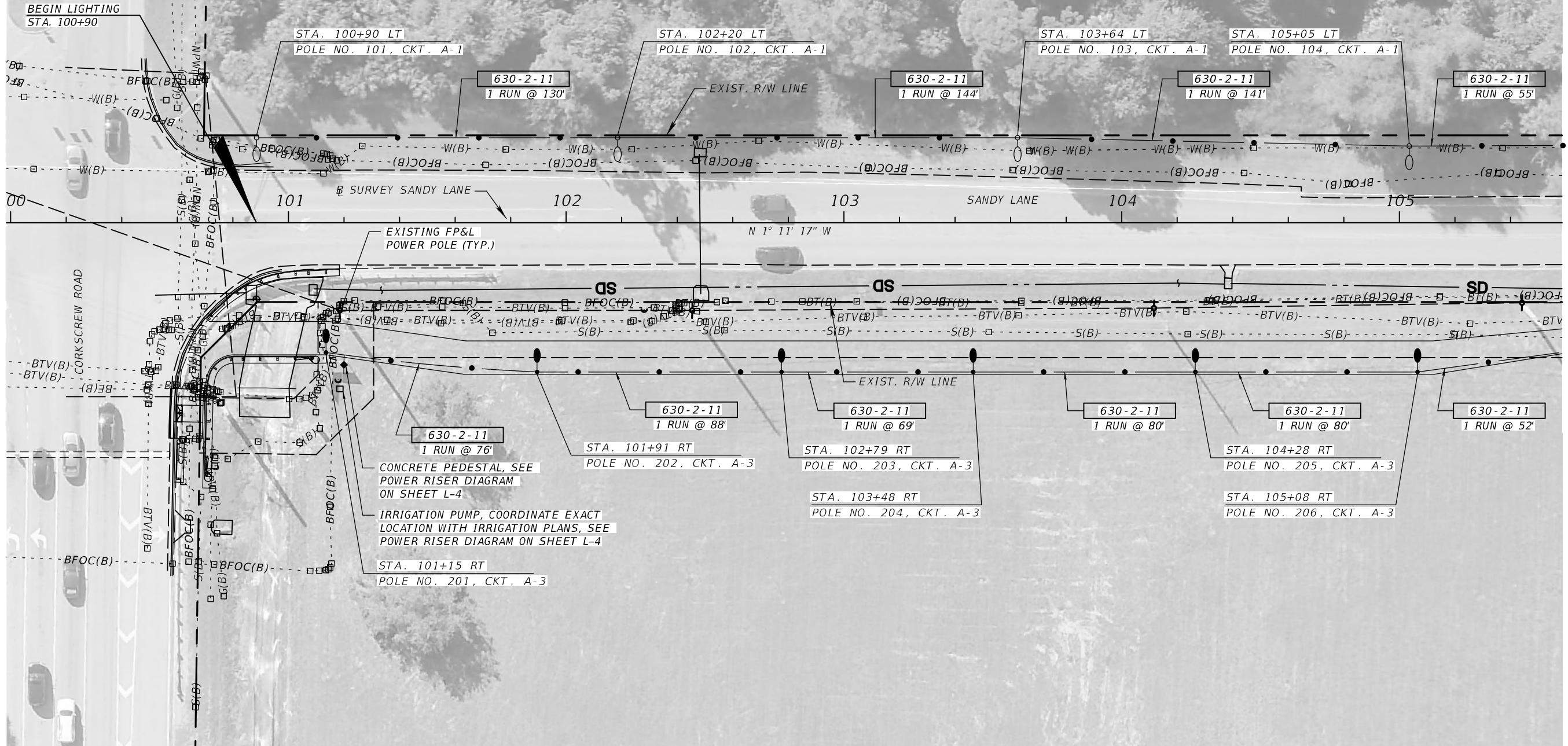
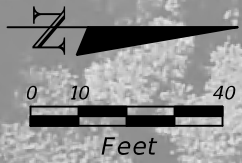
POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
219	A-3	115+45 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
220	A-3	116+27 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
221	A-3	117+07 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
222	A-3	117+96 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
223	A-3	118+83 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
224	A-3	119+61 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
225	A-4	120+45 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
226	A-4	121+29 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
227	A-4	122+09 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
228	A-4	122+85 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
229	A-4	123+45 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
230	A-4	124+29 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
231	A-4	125+09 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
232	A-4	125+97 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
233	A-4	126+79 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
234	A-4	127+63 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
235	A-4	128+49 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
236	A-4	129+31 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
237	A-4	130+17 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
238	A-4	130+96 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
239	A-4	131+85 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
240	A-4	132+69 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
241	A-4	133+53 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
242	A-4	134+37 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
243	A-4	135+16 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
244	A-4	136+10 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
245	A-4	136+90 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
246	A-4	137+68 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
247	A-4	138+39 RT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115
248	A-4	138+58 LT @ SURVEY SANDY LANE	2'	44	14'	BACK OF SIDEWALK	715-511-115



LUMINAIRE TYPE 'A' & 'B' DETAIL
N.T.S.

EOTL = EDGE OF TRAVEL LANE FOC = FACE OF CURB FOG = FACE OF GUARDRAIL

REVISIONS				ATKINS 800 WATERFORD WAY, SUITE 700 MIAMI, FLORIDA 33126 FBPE CERTIFICATE OF AUTHORIZATION NO. 24 PEDRO L. TREVIN, P.E. #15309	SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS			POLE DATA AND LUMINAIRE DETAIL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CLIENT	PROJECT #			L-6
					VILLAGE OF ESTERO	CN 2022-02			



REVISIONS			
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ATKINS
 800 WATERFORD WAY, SUITE 700
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 PEDRO L. TREVIN, P.E. #15309

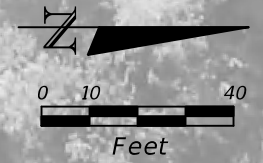
<i>SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS</i>	
CLIENT	PROJECT #
VILLAGE OF ESTERO	CN 2022-02



LIGHTING PLAN SHEET (1)

SHEET NO.
L-7

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 FBPE CERTIFICATE OF AUTHORIZATION NO. 24
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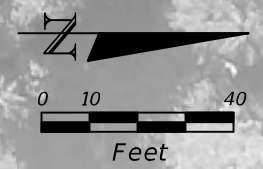
SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS	
CLIENT	PROJECT #
VILLAGE OF ESTERO	CN 2022-02



LIGHTING PLAN SHEET (2)

SHEET NO.
L-8

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<i>SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS</i>	
CLIENT	PROJECT #
VILLAGE OF ESTERO	CN 2022-02

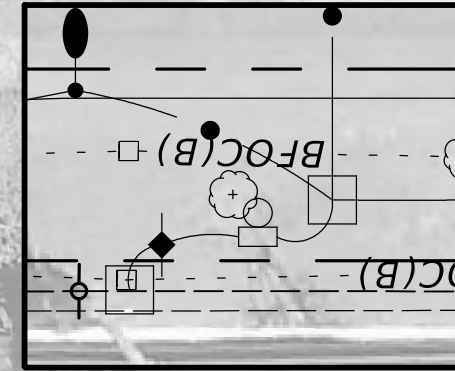


LIGHTING PLAN SHEET (3)

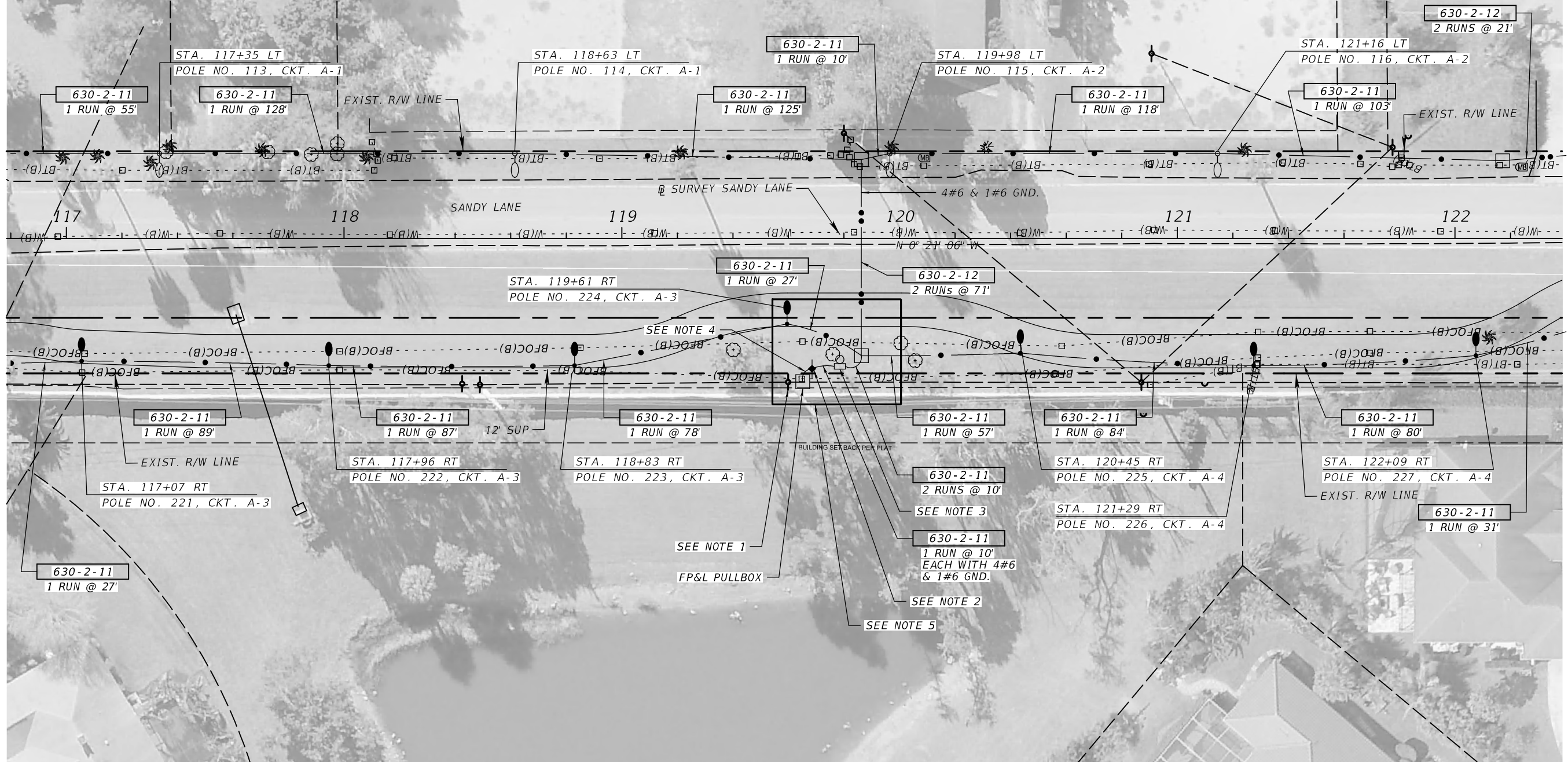
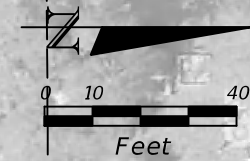
SHEET NO.
L-9

NOTES:

- EXISTING FP&L POWER POLE POINT OF 120/240V, 1-PHASE, 3-WIRE ELECTRICAL SERVICE, COORDINATE WITH FP&L MICHAEL MARTINEZ AT 239-355-6047.
- STA. 119+70 AT R/W RISER POLE. PAY ITEM NO. 639-1-122. COORDINATE HEIGHT OF WEATHERHEAD WITH FP&L.
- LIGHTING CONTROL CABINET 'A', STA. 119+80, 45' RT, 120/240V, 1-PHASE, 3-WIRE, 100A, 2P-MAIN BREAKER
 CKT. A-1, 2P-40A. BREAKER
 CKT. A-2, 2P-40A. BREAKER
 CKT. A-3, 2P-40A. BREAKER
 CKT. A-4, 2P-40A. BREAKER
 PHOTOCELL REQUIRED
- SERVICE FEEDER PAY ITEM NO. 639-2-1, 3#2 IN 2" C.
- REFER TO ENLARGED PLAN THIS SHEET.



ENLARGED PLAN



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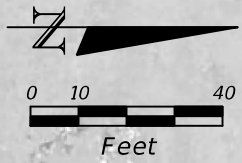
SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS	
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VILLAGE OF ESTERO	CN 2022-02



LIGHTING PLAN (4)

SHEET NO.
L-10

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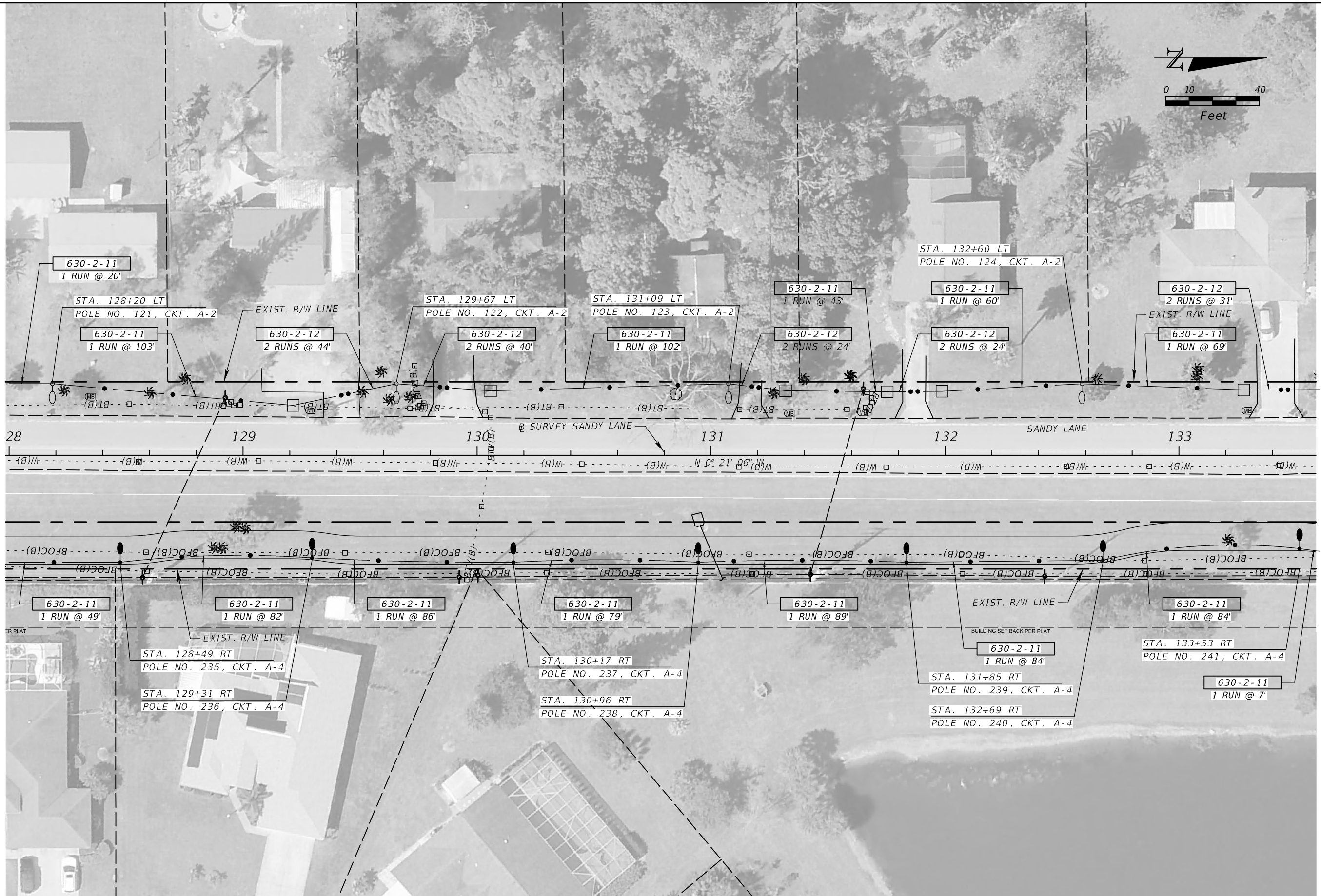
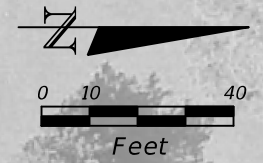
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<i>SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS</i>	
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LIGHTING PLAN (5)

SHEET NO.
L-11



REVISIONS			
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ATKINS
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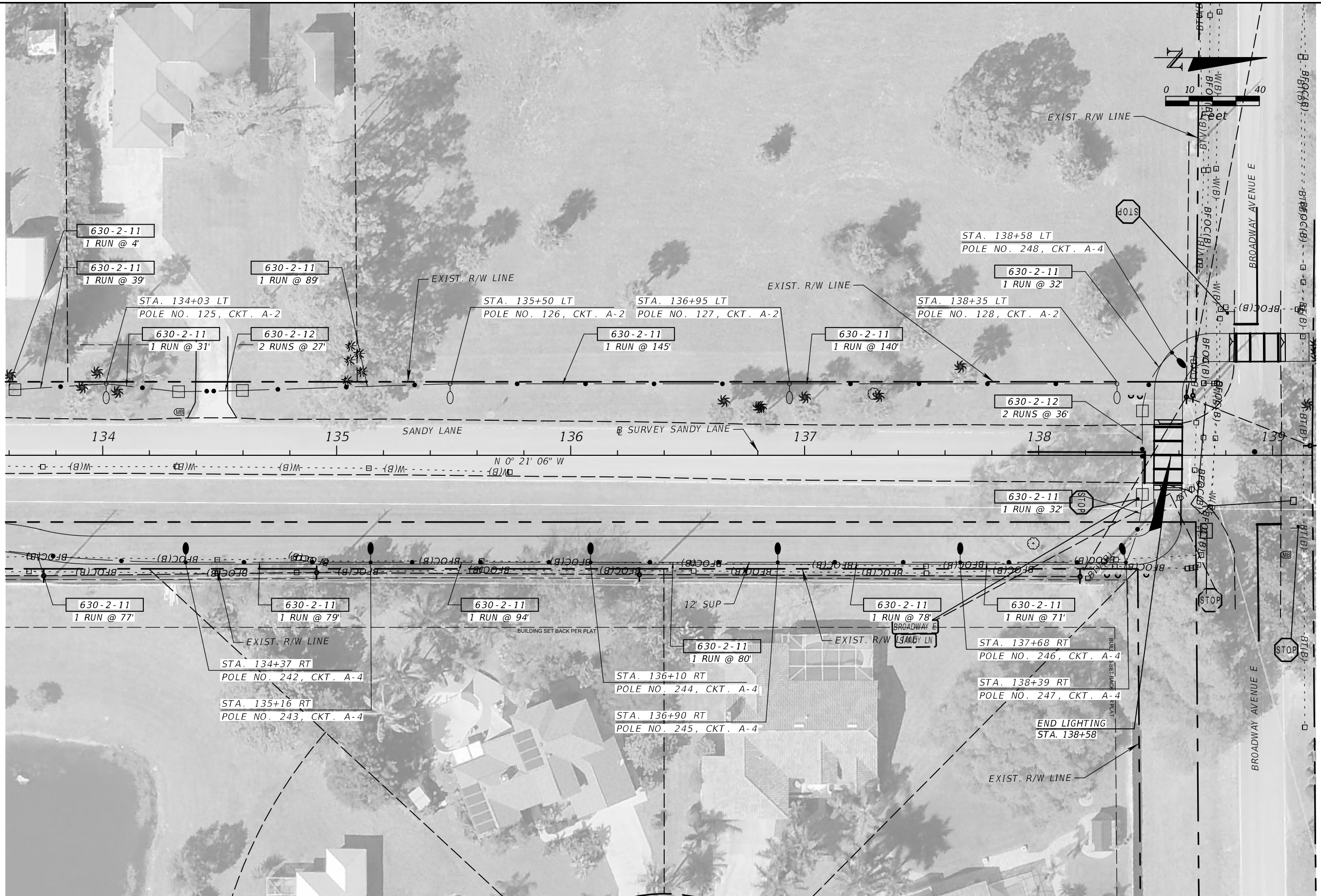
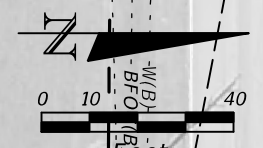
<i>SANDY LANE BICYCLE/ PEDESTRIAN IMPROVEMENTS</i>	
CLIENT	PROJECT #
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LIGHTING PLAN (6)

SHEET NO.
L-12

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LIGHTING PLAN (7)

SHEET NO.
L-13

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