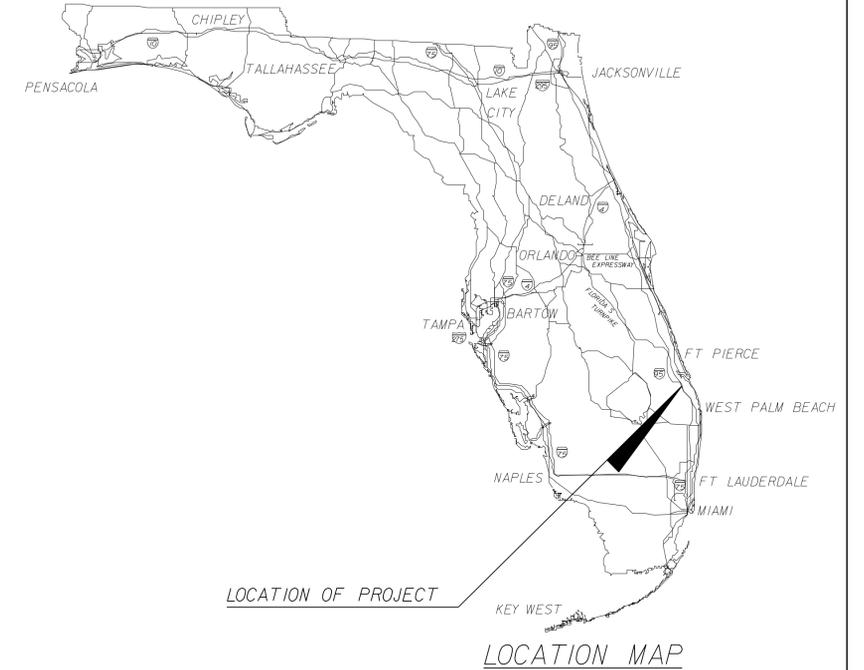


CITY OF PORT ST. LUCIE, FLORIDA  
 PUBLIC WORKS DEPARTMENT  
 CONSTRUCTION PLANS  
 FOR  
**FLORESTA DRIVE**

FROM SOUTHBEND BOULEVARD TO ELKCAM WATERWAY  
 CITY PROJECT # 20060011



INDEX OF LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION	
L-1	KEY SHEET	
<del>L-1A</del>	<del>SIGNATURE SHEET</del>	<del>NOT INCLUDED</del>
<del>L-2 THRU L-3</del>	<del>TABULATION OF QUANTITIES</del>	<del>NOT INCLUDED</del>
L-4	GENERAL NOTES	
L-5, L-6	POLE DATA & LEGEND	
L-7 THRU L-20	LIGHTING PLANS	
<del>L-21</del>	<del>LUMINAIRE AND POLE DETAILS</del>	<del>NOT INCLUDED</del>
<del>L-22, L-23</del>	<del>LANDSCAPE LIGHTING DETAILS</del>	<del>NOT INCLUDED</del>
<del>L-24</del>	<del>LOAD CENTER DETAILS</del>	<del>NOT INCLUDED</del>
<del>L-25</del>	<del>SERVICE POINT DETAILS</del>	<del>NOT INCLUDED</del>



THIS ITEM HAS BEEN DIGITALLY  
 SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL  
 PRINTED COPIES OF THIS DOCUMENT ARE  
 NOT CONSIDERED SIGNED AND SEALED  
 AND THE SIGNATURE MUST BE VERIFIED  
 ON ANY ELECTRONIC COPIES.

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 Mohan Gopalakrishna, P.E. No. 60720

NOTE: THE SCALE OF THESE PLANS MAY  
 HAVE CHANGED DUE TO REPRODUCTION.

LIGHTING PLANS  
 ENGINEER OF RECORD: MOHAN GOPALAKRISHNA, PE, PTOE

P.E. NO.: 60720

PLANS PREPARED BY:



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FISCAL YEAR	SHEET NO.
20	L-1

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

PAY ITEM FOOTNOTES

1. THE CONTRACTOR SHALL NOTIFY THE CITY OF PORT ST LUCIE PUBLIC WORKS DEPT. TWO (2) FULL BUSINESS DAYS IN ADVANCE OF ANY WORK TO BE CARRIED OUT AT ANY LIGHTING FACILITY. 772-871-5177
2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MOST RECENT VERSION OF FDOT STANDARD PLANS UNLESS OTHERWISE SPECIFIED IN THE CITY APPROVED DESIGN OR THESE GENERAL NOTES.
3. CONDUCTOR AND/OR CABLE SHALL BE HOUSED IN 2" SCHEDULE 40 CONDUIT AS SHOWN ON APPROVED PLAN SHEETS. PROVIDE ONE SPARE CONDUIT FOR EACH CONDUIT RUN AND ROADWAY CROSSING. EACH SPARE CONDUIT SHALL BE SUPPLIED WITH PULL STRING.
4. CONTRACTOR SHALL STAKE ALL POLE LOCATIONS AND REQUEST UTILITY COMPANIES TO LOCATE AND MARK UNDERGROUND FACILITIES PRIOR TO EXCAVATION.
5. 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.
6. PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACKET AND MEET THE MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN THE MANUFACTURER'S REQUIREMENTS.
7. ALL ELECTRICAL WORK SHALL MEET THE REQUIREMENTS OF THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE NATIONAL ELECTRICAL SAFETY CODE AND ROAD AND BRIDGE CONSTRUCTION. ALL COMPONENTS SHALL BE PROPERLY GROUNDED AND BONDED PER N.E.C. REQUIREMENTS.
8. IN LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO LIGHTING POLES OR CONDUIT RUNS, AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL HAND DIG THE FIRST 4' OF THE HOLE FOUNDATION AND CONDUIT RUN.
9. HAND HOLE COVERS FOR POLES AND TRANSFORMER BASES SHALL BE LOCATED OPPOSITE APPROACHING TRAFFIC.
10. THE WIRES AT THE POLE HAND HOLES AND PULL BOXES SHALL BE LOOPED IN THE POLE AND PULL BOXES WITH SUFFICIENT LENGTH TO COMPLETELY REMOVE CONNECTORS AND SPLICES ONE (1.00) FOOT OUTSIDE THE HAND HOLE AND PULL BOXES TO MAKE CONNECTIONS AND SPLICES ACCESSIBLE FOR CHANGING FUSES AND TROUBLESHOOTING THE SYSTEM.
11. ALL CONDUCTOR AND/OR WIRE CONNECTIONS SHALL BE BUTT SPLICED AND WATERPROOF. WIRE NUTS WILL NOT BE ACCEPTED.
12. EACH POLE SHALL BE EQUIPPED WITH AN ACCESSIBLE FUSE AND FUSE HOLDER WITH PROTECTIVE BOOTS.
13. EACH POLE SHALL BE EQUIPPED WITH A LIGHTING SURRESTOR THAT IS PROPERLY GROUNDED.
14. A PULL BOX SHALL BE INSTALLED AT EACH POLE LOCATION. PULL BOX SHOULD BE LOCATED 2' MAX FROM POLE UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. EACH PULL BOX SHALL BE SUPPLIED WITH A GROUNDING ROD AND EACH POLE SHALL BE PROPERLY GROUNDED.
15. ALL STREET LIGHTING AND PEDESTRIAN LIGHTING PULL BOXES SHALL BE ARMORCAST PRODUCTS COMPANY #A6001946TAPXXI2 POLYMER CONCRETE BOX WITH NON-METALLIC LID AND NON-SKID SURFACE OR APPROVED EQUAL. LID MUST BE STAMPED "STREET LIGHTING". BOX DIMENSIONS ARE 13W S 24L X 12H. 20K WITH OPEN BOTTOM. LID MUST BE FASTENED TO BOX.
16. INSTALLATION OF PULL BOXES WITHIN THE SIDEWALK SHOULD BE AVOIDED WHENEVER POSSIBLE, BUT IF NECESSARY, SHALL BE APPROVED BY CITY OF PORT ST LUCIE PUBLIC WORKS PRIOR TO WORK BEING CONDUCTED AND SHALL BE FLUSH WITH SIDEWALK. PULL BOXES SHALL NEVER BE PLACED WITHIN SIDEWALK RAMPS OR ROADWAY.
17. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND ALL EXISTING UTILITIES, INCLUDING OVERHEAD POWER LINES.
18. LOCATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO EXCAVATION.
19. CONTACT SUNSHINE ONE CALL OF FLORIDA AT 811 OR SUNSHINE811.COM AT LEAST TWO (2) FULL BUSINESS DAYS BEFORE DIGGING.
20. THE LIGHTING SYSTEM WILL BE MAINTAINED BY THE CITY ONLY AFTER FINAL ACCEPTANCE.

1. ITEM 0635-2-II: ROADSIDE PULL BOX SHALL BE QUAZITE WITH COVER MARKED "STREET LIGHTING", PLACED FLUSH TO GRADE.
2. ITEM 0715-516-II5: INCLUDES THE DECORATIVE POLE, MOUNTING YOKE, DECORATIVE LUMINAIRE WITH LAMP, ANCHOR BOLTS WITH LOCK NUTS AND WASHERS, FOUNDATIONS, SURGE PROTECTORS, AND FUSE HOLDERS WITH FUSES. INCLUDES ID PLATES PLACED IN ON THE INSIDE OF THE HAND HOLE COVER WITH RIVETS SHOWING THE CITY OF PORT ST. LUCIE LOAD CENTER AND CIRCUIT NUMBER AS CALLED OUT IN THE PLANS. SPARES SHALL BE DELIVERED TO THE CITY BY THE CONTRACTOR. INCLUDES SPARE LIGHTING HARDWARE AS CALLED OUT ON TABULATION OF QUANTITIES SHEET TO BE DELIVERED TO 1165 MACEDO BOULEVARD. CONTACT PAUL JOHNSON AT 772-871-5182 OF THE ENGINEERING DEPARTMENT FOR DELIVERY COORDINATION. INCLUDES THE COST FOR COMPLETE (POLE, FIXTURE, BASE, ETC.) TO BE POWDER COATED. THE COLOR SHALL BE SHERWIN WILLIAMS BLACK (PT-I-17-FTU-017-FR). PRIOR TO ORDERING THE LIGHT POLES, THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF PORT ST. LUCIE FOR A COPY OF THE CITIES SPECIFICATIONS OF THEIR POWDER COAT PROCESS. FIELD ADJUSTMENT OF PROPOSED LIGHT POLES MAY BE REQUIRED AROUND UTILITIES.
3. ITEM 0715 516 II5: TO INCLUDE ANY ADDITIONAL DECORATIVE LIGHT POLES AND LUMINAIRES TO BE STOCKED IN MAINTAINING AGENCY WEARHOUSE. QUANTITY TO BE DETERMINED.
4. THE FOLLOWING ITEMS SHALL BE USED FOR FIBER OPTIC INTERCONNECT:
  - PULL BOX (FIBER OPTIC - TIER 15 (MIN.)
    - BOX: QUAZITE PG1730BB18 17"X30"X18" DEEP, COVER: QUAZITE PG1730CA00
    - BOX: SYNERTECH - S1730BI8FA - 17"X30"X18" DEEP, COVER: SYNERTECH - S1730HBB0A
  - SPLICE BOX (FIBER OPTIC) - TIER 15 (MIN.)
    - BOX: QUAZITE PG3048BB 30"X48"X36" DEEP, COVER: QUAZITE PG3048HC00
    - BOX: OLDCASTLE 3048-36 - 30"X48"X36" DEEP, COVER-OLDCASTLE-UNI-HALF 3048
  - SPLICE CLOSURES (FIBER OPTIC): TYCO FOSC-450-C6-6-NT-0-C6V
    - ENCLOSURE SPLICE TRAY: FOSC-ACC-C-TRAY-24
    - BASKET: FOSC-ACC-C-BASKET
  - FIBER OPTIC CABLE
    - CORNING/SIECOR 096EU4-T470ID20 - 96 FIBER ALTOS GEL-FREE CABLE NON-ARMORED SMFE 1.4/0.4/0.3 DB/KM 12F/TUBE PRINT IN FT.
    - CORNING/SIECOR 012EU4-T470ID20 - 12 FIBER ALTOS GEL-FREE CABLE NON-ARMORED SMFE 1.4/0.4/0.3 DB/KM 12F/TUBE PRINT IN FT.

\*\* LIGHTING DESIGN CRITERIA  
ROADWAY LIGHTING (FLORESTA DR.)

AVERAGE MAINTAINED ILLUMINANCE	0.4 FOOT CANDLES
UNIFORMITY RATIO AVG./MIN.	6:1 OR LESS
WIND SPEED	160 MPH

\*\* LIGHTING DESIGN CRITERIA BASED ON AASHTO ROADWAY LIGHTING DESIGN GUIDE TABLE 3-5a, AREA CLASSIFICATION -LOCAL- RESIDENTIAL - R3 ASPHALT ROADWAY SURFACE (TABLE 3-1).

\*\*\* ROUNDABOUT LIGHTING CRITERIA  
ROADWAY LIGHTING (FLORESTA DR.)

AVERAGE MAINTAINED ILLUMINANCE	1.4 FOOT CANDLE (MEDIUM)
AVERAGE/MINIMUM RATIO	6:1 OR LESS
WIND SPEED	160 MPH

\*\*\* SOURCE: NCHRP REPORT 672. EXHIBIT 8-1 (RECOMMENDED ILLUMINANCE VALUES FOR ROUNDABOUTS)

SIGNALIZED INTERSECTION  
LIGHTING DESIGN CRITERIA

AVERAGE INITIAL INTENSITY	3.0 HORIZONTAL FOOT CANDLES
AVERAGE INITIAL INTENSITY	2.3 VERTICAL FOOT CANDLES
UNIFORMITY RATIO AVG./MIN.	4:1 OR LESS
MAX./MIN.	10:1 OR LESS
WIND SPEED	160 MPH

PSL BLVD LIGHTING DESIGN CRITERIA

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

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



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CITY OF PORT ST. LUCIE  
121 S.W. PORT ST. LUCIE BLVD.  
PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

**GENERAL NOTES**

SHEET NO.  
**L-4**

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

# DECORATIVE POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
1	A-1	506+10 @ FLORESTA	POLE TOP	28	16'-0"	25' LT @ FLORESTA	715-516-115
2	A-1	506+13 @ FLORESTA	POLE TOP	28	16'-0"	32' RT @ FLORESTA	715-516-115
3	A-1	507+38 @ FLORESTA	POLE TOP	55	16'-0"	PLACE AT BACK OF WALK	715-516-115
4	A-1	507+47 @ FLORESTA	POLE TOP	55	16'-0"	PLACE AT BACK OF WALK	715-516-115
5	A-1	507+73 @ FLORESTA	POLE TOP	55	16'-0"	137' RT @ FLORESTA	715-516-115
6	A-1	508+60 @ FLORESTA	POLE TOP	55	16'-0"	137' RT @ FLORESTA	715-516-115
7	A-1	507+91 @ FLORESTA	POLE TOP	55	16'-0"	98' LT @ FLORESTA	715-516-115
8	A-1	508+39 @ FLORESTA	POLE TOP	55	16'-0"	98' LT @ FLORESTA	715-516-115
9	A-1	509+03 @ FLORESTA	POLE TOP	28	16'-0"	49' RT @ FLORESTA	715-516-115
10	A-1	508+89 @ FLORESTA	POLE TOP	55	16'-0"	36' LT @ FLORESTA	715-516-115
11	A-1	510+30 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
12	A-1	511+67 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
13	A-1	513+09 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
14	A-1	514+52 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
15	A-1	515+89 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
16	A-1	517+29 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
17	A-1	518+69 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
18	A-1	519+85 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
19	A-1	521+49 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
20	A-1	522+89 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
21	A-2	524+29 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
22	A-2	525+60 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
23	A-2	526+97 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
24	A-2	528+40 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
25	A-2	529+84 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
26	A-2	531+24 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
27	A-2	532+70 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
28	A-2	533+79 @ FLORESTA	POLE TOP	39	16'-0"	PLACE AT BACK OF WALK	715-516-115
29	A-2	535+30 @ FLORESTA	POLE TOP	39	16'-0"	PLACE AT BACK OF WALK	715-516-115
30	A-2	536+70 @ FLORESTA	POLE TOP	39	16'-0"	PLACE AT BACK OF WALK	715-516-115
31	B-1	538+20 @ FLORESTA	POLE TOP	39	16'-0"	PLACE AT BACK OF WALK	715-516-115
32	B-1	539+52 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
34	B-1	542+31 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
35	B-1	543+35 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
36	B-1	545+06 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
37	B-1	546+46 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
38	B-1	547+86 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
39	B-1	549+26 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
40	B-1	550+66 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
41	B-1	552+06 @ FLORESTA	POLE TOP	55	16'-0"	PLACE AT BACK OF WALK	715-516-115
42	B-1	29+07 @ THANKSGIVING AVE	POLE TOP	55	16'-0"	PLACE AT BACK OF WALK	715-516-115
43	B-2	29+06 @ THANKSGIVING AVE	POLE TOP	55	16'-0"	PLACE AT BACK OF WALK	715-516-115
44	B-2	553+86 @ FLORESTA	POLE TOP	55	16'-0"	PLACE AT BACK OF WALK	715-516-115
45	B-2	555+32 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
46	B-1	552+06 @ FLORESTA	POLE TOP	55	16'-0"	PLACE AT BACK OF WALK	715-516-115
47	B-2	30+78 @ THANKSGIVING AVE	POLE TOP	55	16'-0"	PLACE AT BACK OF WALK	715-516-115
48	B-2	30+77 @ THANKSGIVING AVE	POLE TOP	55	16'-0"	PLACE AT BACK OF WALK	715-516-115
49	B-2	553+85 @ FLORESTA	POLE TOP	55	16'-0"	PLACE AT BACK OF WALK	715-516-115
50	B-2	557+02 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
51	B-2	558+42 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
52	B-2	559+82 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
53	B-2	561+22 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
54	B-2	562+62 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
55	B-2	564+02 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
56	B-2	565+47 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
57	B-2	566+62 @ FLORESTA	POLE TOP	28	16'-0"	PLACE AT BACK OF WALK	715-516-115
58	B-2	567+45 @ FLORESTA	POLE TOP	55	16'-0"	PLACE AT BACK OF WALK	715-516-115

## LEGEND

### SYMBOLS

### DESCRIPTION

- PEDESTRIAN DECORATIVE LIGHT POLE, BASE, FOUNDATION AND LED LUMINAIRE DESIGNED FOR TYPE III, MEDIUM DISTRIBUTION BALLAST WIRED FOR 240 VOLT OPERATION. LED LUMINAIRE 28 WATTS (5,202 LUMENS) (ROADWAY LUMINAIRE), AND FOR ROUNDABOUT- 55 WATTS (9,113 LUMENS). MANUFACTURER HOLOPHANE OR APPROVED EQUAL ACRYLIC WASHINGTON POSTLITE II LED, LUMINAIRE CATALOG NUMBER- AWDE3 P20 40K MVOLT AL3 FNT (ROADWAY LUMINAIRE), AWDE3 P30 40K MVOLT AL3 FNT (FOR ROUNDABOUT). CATALOG NUMBER FOR DECORATIVE POLE (WADSWORTH ALUMINUM 12 FLUTE POLE) WDA16F5J17P07ABGGN. THE SPECIAL DECORATIVE LIGHT POLE SHALL USE A FOUNDATION AS SHOWN ON SHEET 4 OF 8 IN THE STANDARD ALUMINUM LIGHTING INDEX NO. 715-002 DRAWING. THE FOUNDATION DEPTH SHALL BE TAKEN FROM THE "FOUNDATION TABLE" ON SHEET 7 OF 8 IN THE STANDARD ALUMINUM LIGHTING INDEX NO. 715-002 DRAWING USING A WIND SPEED OF 160 MPH AND A DESIGN MOUNTING HEIGHT OF 40'-0".
-  SIZE 2" SCHEDULE 40 P.V.C. CONDUIT WITH CONDUCTORS INSIDE CONDUIT. SIZE AND NUMBER OF CONDUCTORS AS SHOWN ON PLANS.
  -  SIZE 2" SCHEDULE 40 P.V.C. HDPE CONDUIT WITH SPARE, DIRECTIONAL DRILLED AT ROADWAY CROSSINGS WITH CONDUCTORS INSIDE CONDUIT. SIZE AND NUMBER OF CONDUCTORS AS SHOWN ON PLANS.
  -  2-2" PVC CONDUIT (SAME TRENCH OR DIRECTIONAL BORE AS LIGHTING) 96 FIBER OPTIC CABLE.
  -  PULL BOX (QUAZITE TYPE).
  -  FIBEROPTIC PULLBOX (24" X 36").
  -  FIBEROPTIC SPLICE VAULT (30" X 60").
  -  PROPOSED LOAD CENTER (POLE MOUNTED).
  -  PROPOSED STANDARD FDOT POLE, 25' MAST HEIGHT.
  -  PROPOSED STANDARD FDOT POLE, 45' MAST HEIGHT.
  -  PROPOSED UTILITY CONFLICT POLE. FDOT ALUMINUM POLE, LED LUMINAIRE 105 WATTS (12,748 LUMENS) TYPE III, MEDIUM DISTRIBUTION. AMERICAN ELECTRIC LIGHTING ATB0 30BLEDE85 XXXX R3 4K\_5K
  -  PROPOSED UTILITY CONFLICT POLE. FDOT ALUMINUM POLE, LED LUMINAIRE 76 WATTS (8,654 LUMENS) TYPE II, SHORT, AMERICAN ELECTRIC LIGHTING ATBS\_I\_XXXX\_R2.
  -  LUMINAIRE TO BE MOUNTED ON STANDARD FDOT POLE. 268 WATT LED ATB2-80BLEDE10\_XXXX\_R3\_4K 32,415 LUMENS TYPE 3 DISTRIBUTION
  -  EXISTING LIGHT POLE TO REMAIN. INCLUDES LED RETROFIT SEE NOTE IN PLANS 268 WATT LED ATB2-80BLEDE10\_XXXX\_R3\_4K 32,415 LUMENS TYPE 3 DISTRIBUTION
  -  EXISTING LIGHT POLE TO BE REMOVED.
  -  SPOT LIGHT (RGBW) 120-277V.
  -  SERVICE DISCONNECT ON A PRESTRESSED CONCRETE POLE, TYPE P-II PEDESTAL.

#### NOTES:

- 1) CONDUIT, PULL BOXES, LOAD CENTERS AND POLE FOUNDATIONS SHALL BE PLACED INSIDE OF RIGHT-OF-WAY.
- 2) ALL PEDESTRIAN LIGHT POLE FOUNDATIONS SHALL BE PLACED BEHIND THE CONCRETE SIDEWALK. FOUNDATIONS WHICH RESULT IN CONFLICTS WITH RIGHT-OF-WAY OR UTILITIES SHALL BE FIELD ADJUSTED TO SIT AT THE BACK OF SIDEWALK.

#### REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

## POLE DATA AND LEGEND

SHEET NO.

L-5

## FDOT POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	TILT	POLE SETBACK	PAY ITEM
33	B-1	541+46 @ FLORESTA	10'	105 (LED)	25'-0"	0	PLACE AT BACK OF WALK	715-511-125
59	B-1	541+00 @ FLORESTA	15'	268 (LED)	40'-0"	0	PLACE AT BACK OF WALK	715-4-13
61	EXIST.	28+72 @ PSL BLVD	15'	268 (LED)	40'-0"	5°	PLACE AT BACK OF WALK	715-4-13
62	A-1	507+69 @ FLORESTA	6'	76 (LED)	25'-0"	0	PLACE AT BACK OF WALK	715-4-11
63	A-1	508+76 @ FLORESTA	6'	76 (LED)	25'-0"	0	PLACE AT BACK OF WALK	715-4-11
64	A-1	512+18 @ FLORESTA	6'	76 (LED)	25'-0"	0	PLACE AT BACK OF WALK	715-4-11
65	A-2	524+79 @ FLORESTA	6'	76 (LED)	25'-0"	0	PLACE AT BACK OF WALK	715-511-125
66	A-2	529+34 @ FLORESTA	6'	76 (LED)	25'-0"	0	PLACE AT BACK OF WALK	715-511-125
69	B-2	567+41 @ FLORESTA	6'	76 (LED)	25'-0"	0	PLACE AT BACK OF WALK	715-511-125
104	EXIST.	31+28 @ PSL BLVD	10'	268 (LED)	40'-0"	0	PLACE AT BACK OF WALK	715-4-13
105	EXIST.	539+26 @ FLORESTA	10'	105 (LED)	25'-0"	0	PLACE AT BACK OF WALK	715-511-125
106	EXIST.	26+76 @ PSL BLVD	15'	268 (LED)	45'-0"	5°	PLACE AT BACK OF WALK	715-4-14
107	EXIST.	24+59 @ PSL BLVD	EXIST.	268 (LED)	45'-0"	5°	PLACE AT BACK OF WALK	715-11-211
108	EXIST.	32+39 @ PSL BLVD	EXIST.	268 (LED)	45'-0"	5°	PLACE AT BACK OF WALK	715-11-211
109	EXIST.	34+60 @ PSL BLVD	EXIST.	268 (LED)	45'-0"	5°	PLACE AT BACK OF WALK	715-11-211

\* UTILITY CONFLICT POLE TO BE DESIGNED BY CONTRACTOR.

### FPL POLE DATA

POLE NO.	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT
71	514+57	6'	76 (LED)	25'-0"
72	516+15	6'	76 (LED)	25'-0"
73	519+70	6'	76 (LED)	25'-0"
73A	520+68	6'	76 (LED)	25'-0"
74	524+06	6'	76 (LED)	25'-0"
75	530+51	6'	76 (LED)	25'-0"
76	535+40	6'	76 (LED)	25'-0"
77	538+56	6'	76 (LED)	25'-0"
78	542+07	6'	76 (LED)	25'-0"
79	545+15	6'	76 (LED)	25'-0"
81	548+27	6'	76 (LED)	25'-0"
82	551+35	6'	76 (LED)	25'-0"
83	555+05	6'	76 (LED)	25'-0"
85	558+26	6'	76 (LED)	25'-0"
87	561+44	6'	76 (LED)	25'-0"
88	564+64	6'	76 (LED)	25'-0"
93	518+46	6'	76 (LED)	25'-0"
95	526+11	NA	76 (LED)	25'-0"

LED LUMINAIRES/ARMS TO BE INSTALLED BY FPL

### FPL POLE DATA

POLE NO.	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT
67	543+37	6'	76 (LED)	25'-0"
68	553+37	NA	76 (LED)	25'-0"
80	546+48	6'	76 (LED)	25'-0"
84	556+67	6'	76 (LED)	25'-0"
86	559+84	6'	76 (LED)	25'-0"
89	506+71	NA	76 (LED)	25'-0"
90	509+42	NA	76 (LED)	25'-0"
91	510+86	NA	76 (LED)	25'-0"
92	513+39	NA	76 (LED)	25'-0"
94	521+98	NA	76 (LED)	25'-0"
96	527+78	NA	76 (LED)	25'-0"
97	533+69	NA	76 (LED)	25'-0"
98	536+91	NA	76 (LED)	25'-0"
99	549+59	NA	76 (LED)	25'-0"
100	560+04	NA	76 (LED)	25'-0"
101	566+25	NA	76 (LED)	25'-0"
102	568+26	NA	76 (LED)	25'-0"
103	531+88	NA	76 (LED)	25'-0"

REPLACE HPS LUMINAIRE WITH LED

## LEGEND (FPL POLES ONLY)

SYMBOLS	DESCRIPTION
	LUMINAIRE TO BE MOUNTED ON FPL POLE. LED LUMINAIRE DESIGNED FOR TYPE II, SHORT DISTRIBUTION. LED LUMINAIRE 76 WATTS (8,654 LUMENS) (ROADWAY LUMINAIRE), MANUFACTURER AMERICAN ELECTRIC LIGHTING, CATALOG NUMBER ATBS_I_XXXXX_R2. (TO BE INSTALLED BY FPL)
	EXISTING LUMINAIRE, POLE & FOUNDATION TO BE REMOVED OR RELOCATED BY FPL.
	FPL LED RETROFIT TO BE HANDLED BY FPL LIGHTING SERVICES THRU CITY OF PSL.
	FPL POWER SOURCE

#### REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**American**  
Consulting Engineers of Florida, LLC  
2041 Vista Parkway, Suite 101  
West Palm Beach, Florida 33411  
Phone: (561) 253-9550 Fax: (561) 253-9551  
Certificate of Authorization No. 9302  
Mohan Gopalakrishna, P.E., PTOE No. 60720



CITY OF PORT ST. LUCIE  
121 S.W. PORT ST. LUCIE BLVD.  
PORT ST. LUCIE, FL 34984

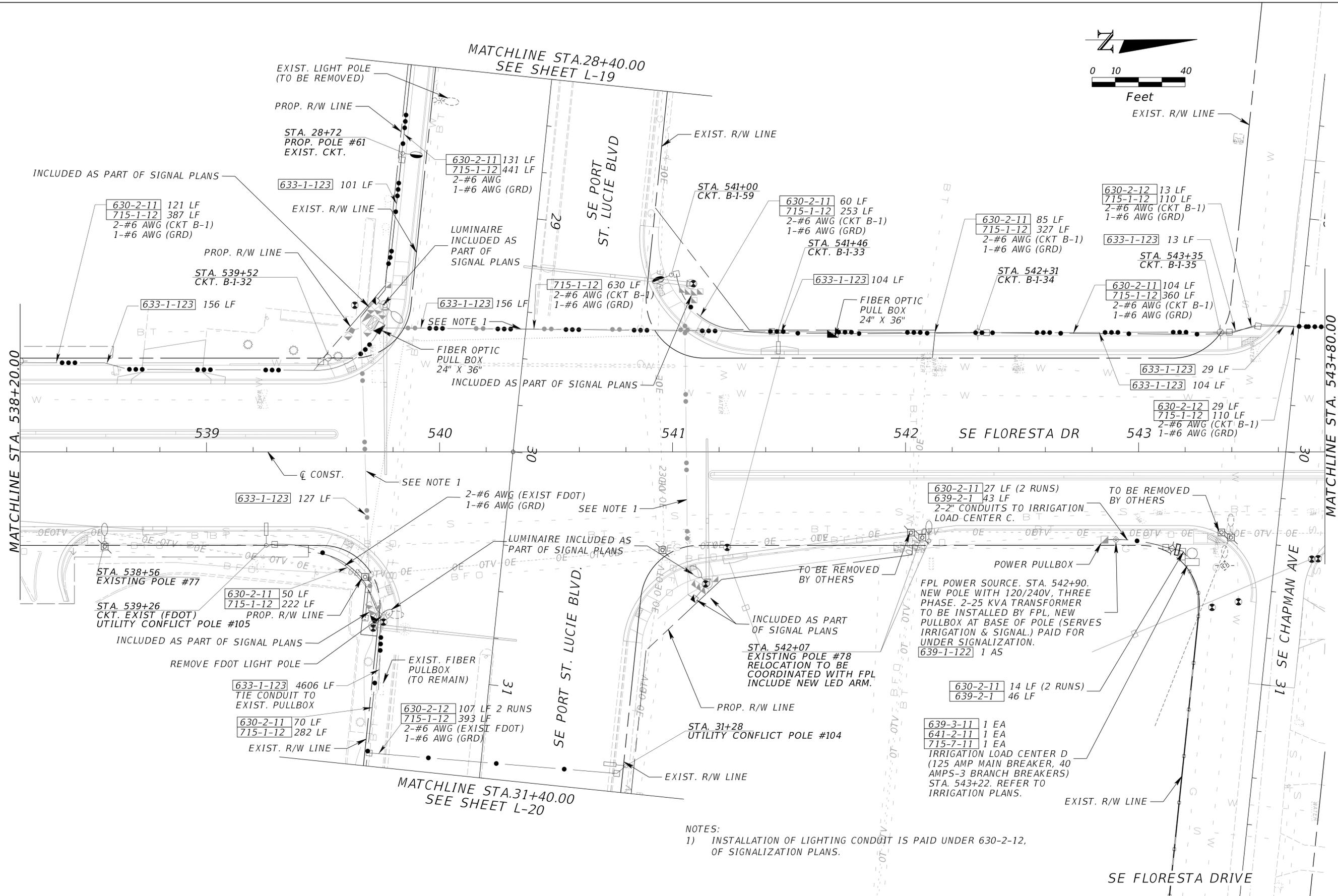
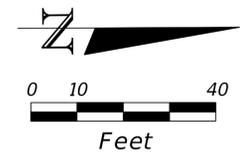
ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

## POLE DATA AND 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.



NOTES:  
 1) INSTALLATION OF LIGHTING CONDUIT IS PAID UNDER 630-2-12, OF SIGNALIZATION PLANS.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**American**  
 Consulting Engineers of Florida, LLC  
 2041 Vista Parkway, Suite 101  
 West Palm Beach, Florida 33411  
 Phone: (561) 253-9550 Fax: (561) 253-9551  
 Certificate of Authorization No. 9302  
 Mohan Gopalakrishna, P.E., PTOE No. 60720

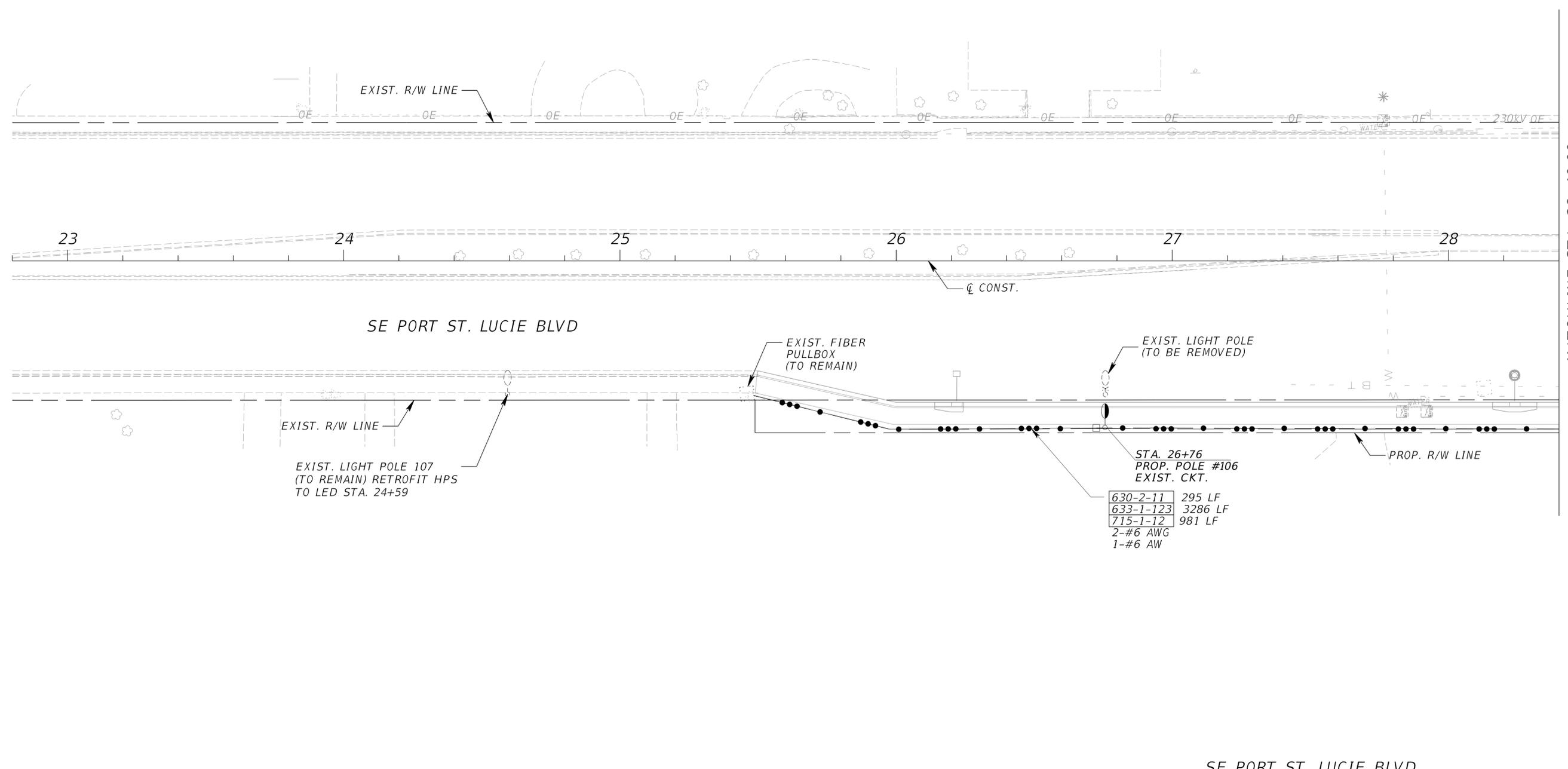
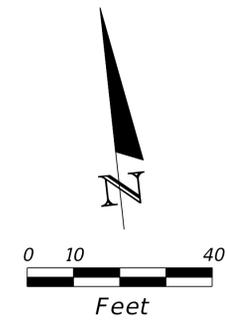
CITY OF PORT ST. LUCIE  
 121 S.W. PORT ST. LUCIE BLVD.  
 PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

**LIGHTING PLAN**

SHEET NO.  
**L-13**

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MATCHLINE STA. 28+40.00  
SEE SHEET L-13

SE PORT ST. LUCIE BLVD.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**American**  
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2041 Vista Parkway, Suite 101  
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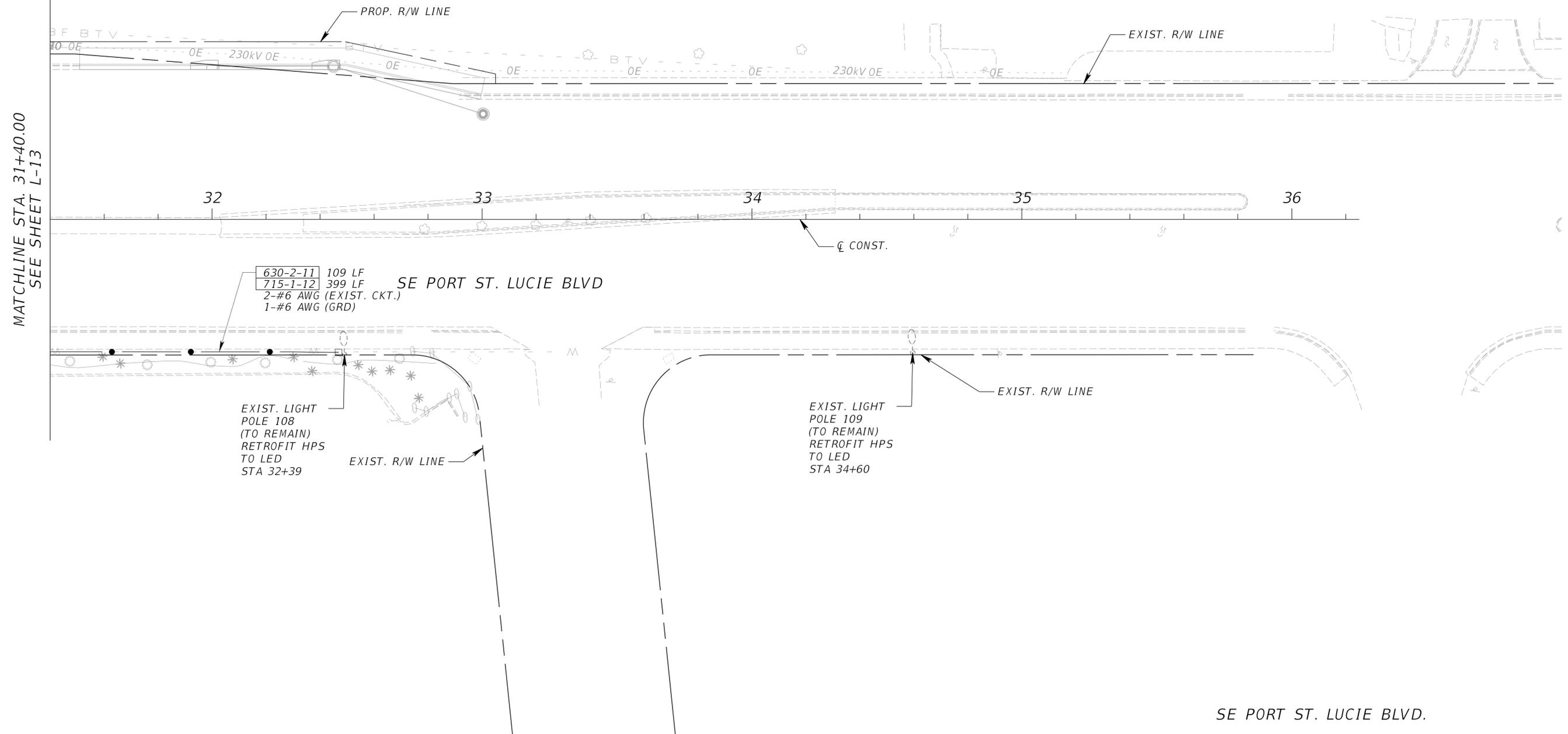
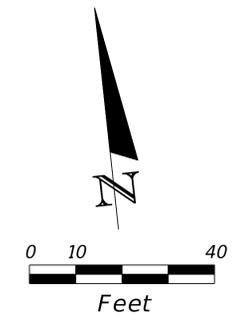
**CITY OF PORT ST. LUCIE**  
121 S.W. PORT ST. LUCIE BLVD.  
PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

**LIGHTING PLAN**

SHEET NO.  
**L-19**

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MATCHLINE STA. 31+40.00  
SEE SHEET L-13

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**American**  
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 CITY OF PORT ST. LUCIE  
121 S.W. PORT ST. LUCIE BLVD.  
PORT ST. LUCIE, FL 34984

ROAD	COUNTY
FLORESTA DRIVE	ST. LUCIE

*LIGHTING PLAN*

SHEET NO.  
**L-20**

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