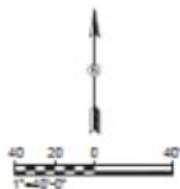


**LEGEND:**

NEW HOLOPHANE LED LIGHT FIXTURE MOUNTED ON A 30' POLE WITH 6' ARM, PROVIDED AND INSTALLED BY FPL

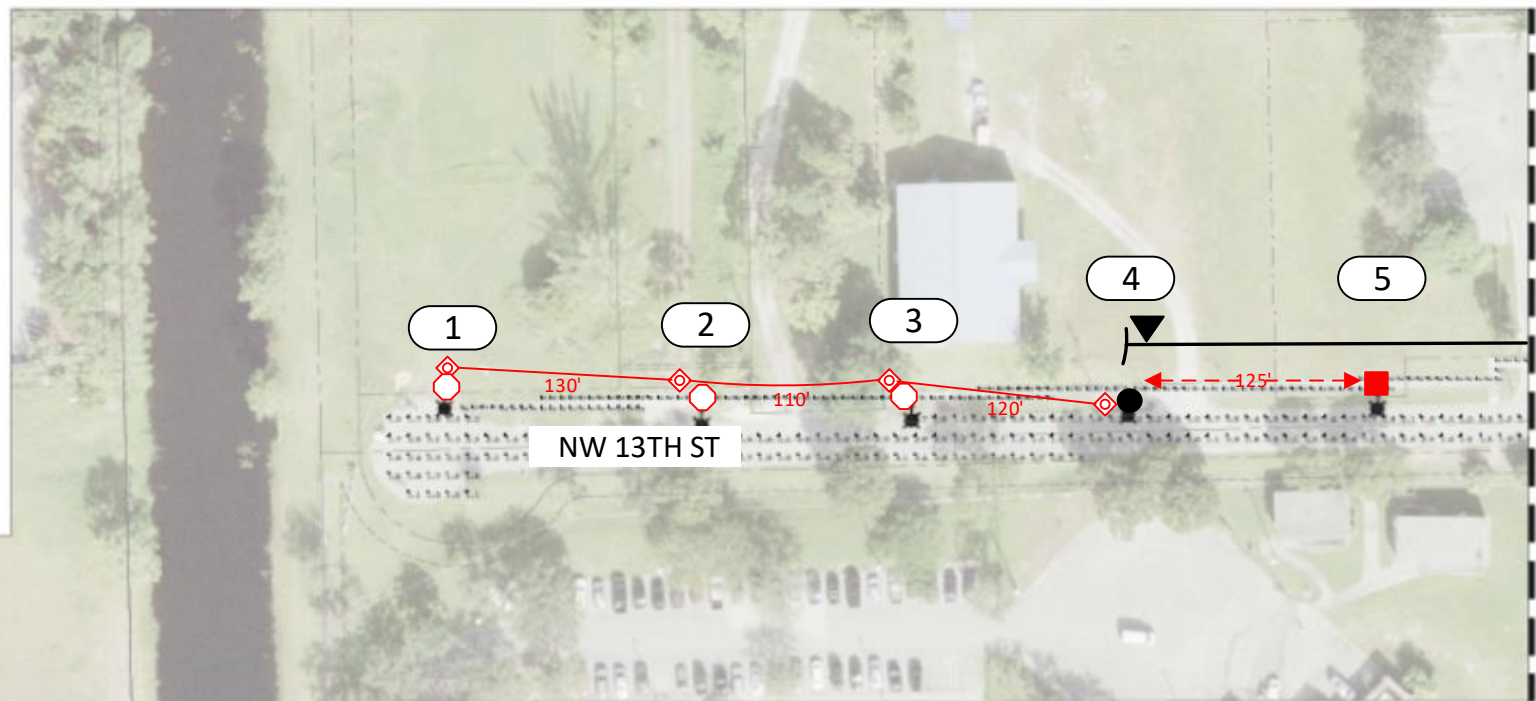
TOTAL NUMBER OF LIGHT FIXTURES : 401



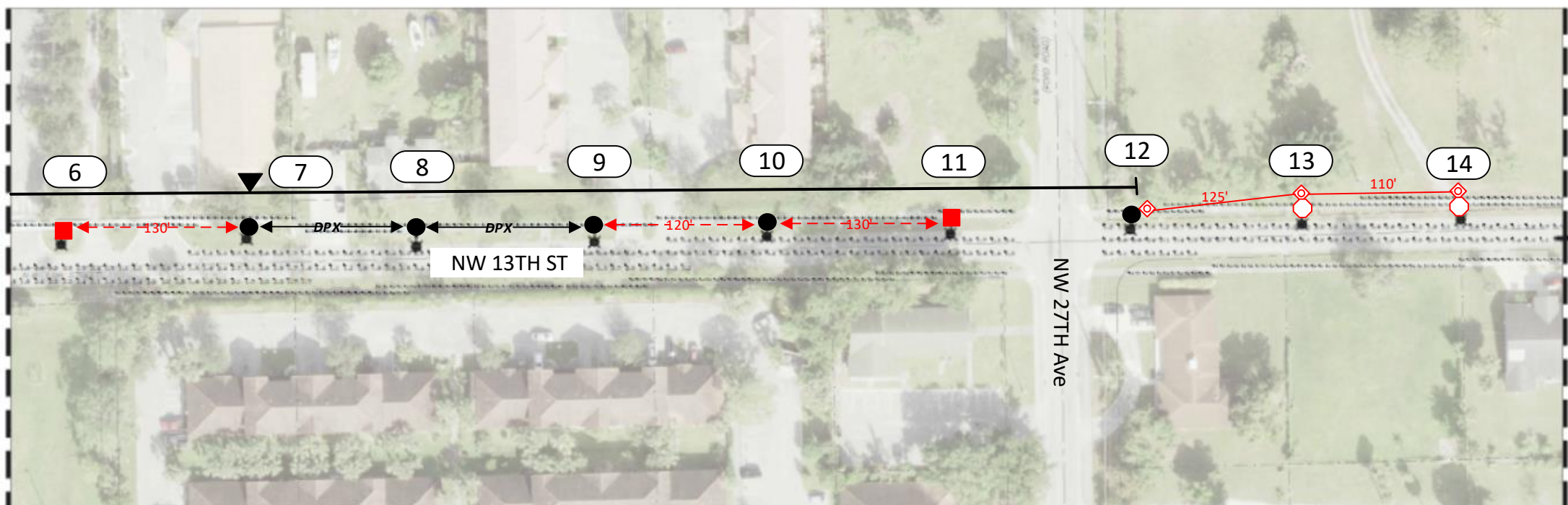
**PHOTOMETRIC CALCULATIONS**

DESIGN CRITERIA: MINIMUM ILLUMINATION LEVELS AT STREETS AND SIDEWALK IS 0.25FC AND THE MAXIMUM TO MINIMUM RATIO IS LESS THAN 12:1

ROADWAY						
SPACING	SYMBOL	MINIMUM(FC)	MAXIMUM(FC)	AVERAGE(FC)	MAXMIN	AVGMIN
10'	*	0.40	4.00	1.60	10.00	4.00
SIDEWALK						
SPACING	SYMBOL	MINIMUM(FC)	MAXIMUM(FC)	AVERAGE(FC)	MAXMIN	AVGMIN
5'	*	0.30	3.50	1.03	11.67	3.43

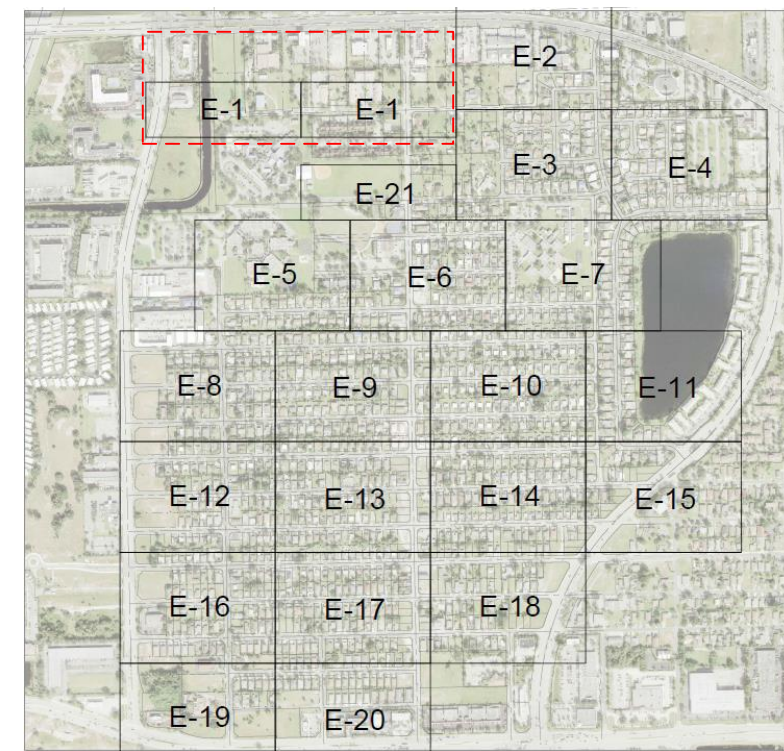


MATCH LINE BELOW



MATCH LINE ON SHEET E-2

MATCH LINE ON SHEET E-3



**Construction Notes: ( FPL contractor installing conduit)**

- Loc 4,7,8,9: Install 1 Holophane Teardrop fixture on existing distribution pole. ( Loc 8 and 9 are slightly to the East in the field)
- Loc 1 to 3,12,13: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole. ( existing poles at loc 12 and 13 will be replaced)
- Loc 5,6,11: install Holophane Teardrop fixture on new in-line distribution pole 45/3H. ( attach primary wires)

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.

- Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide

**LEGEND:**

NEW HOLOPHANE LED LIGHT FIXTURE MOUNTED ON A 30' POLE WITH 5' ARM, PROVIDED AND INSTALLED BY FPL

TOTAL NUMBER OF LIGHT FIXTURES : 401



**PHOTOMETRIC CALCULATIONS**

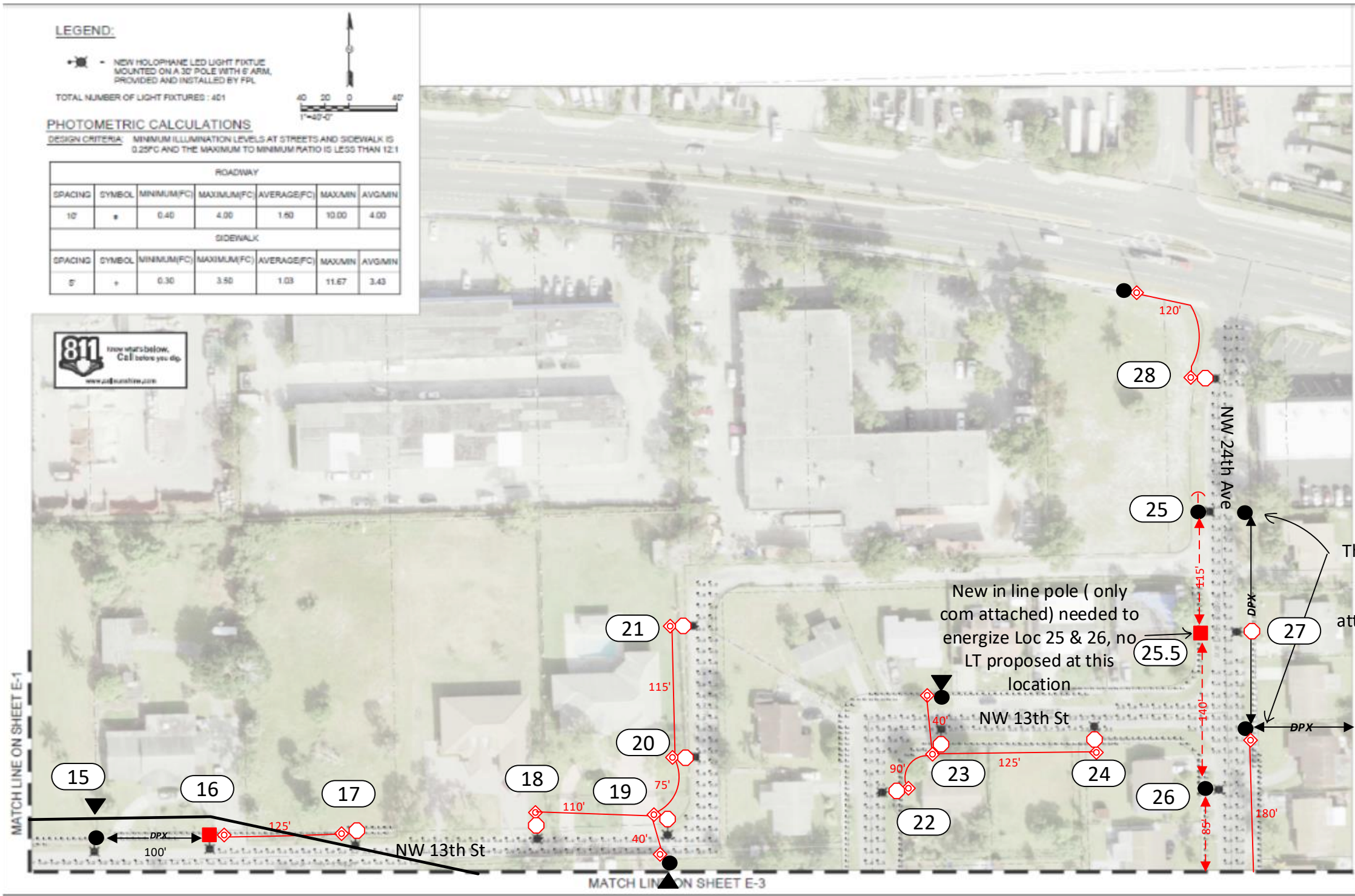
DESIGN CRITERIA: MINIMUM ILLUMINATION LEVELS AT STREETS AND SIDEWALK IS 0.25FC AND THE MAXIMUM TO MINIMUM RATIO IS LESS THAN 12:1

ROADWAY						
SPACING	SYMBOL	MINIMUM(FC)	MAXIMUM(FC)	AVERAGE(FC)	MAX:MIN	AVG:MIN
10'	*	0.40	4.00	1.60	10.00	4.00
SIDEWALK						
SPACING	SYMBOL	MINIMUM(FC)	MAXIMUM(FC)	AVERAGE(FC)	MAX:MIN	AVG:MIN
5'	*	0.30	3.50	1.03	11.67	3.43



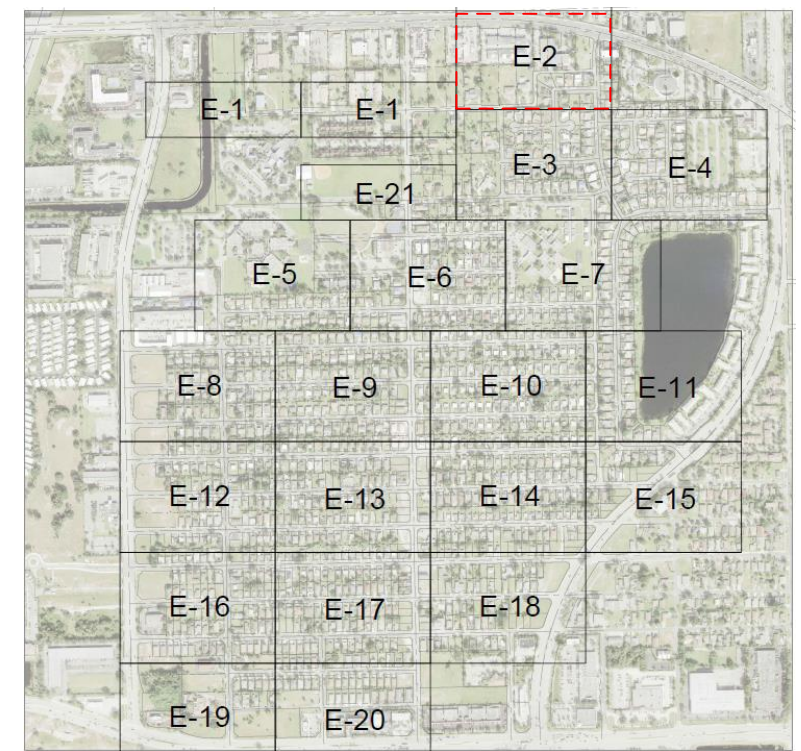
MATCH LINE ON SHEET E-1

MATCH LINE ON SHEET E-3



New in line pole ( only com attached) needed to energize Loc 25 & 26, no LT proposed at this location

These poles can't be removed, foreign attachment to one of them.

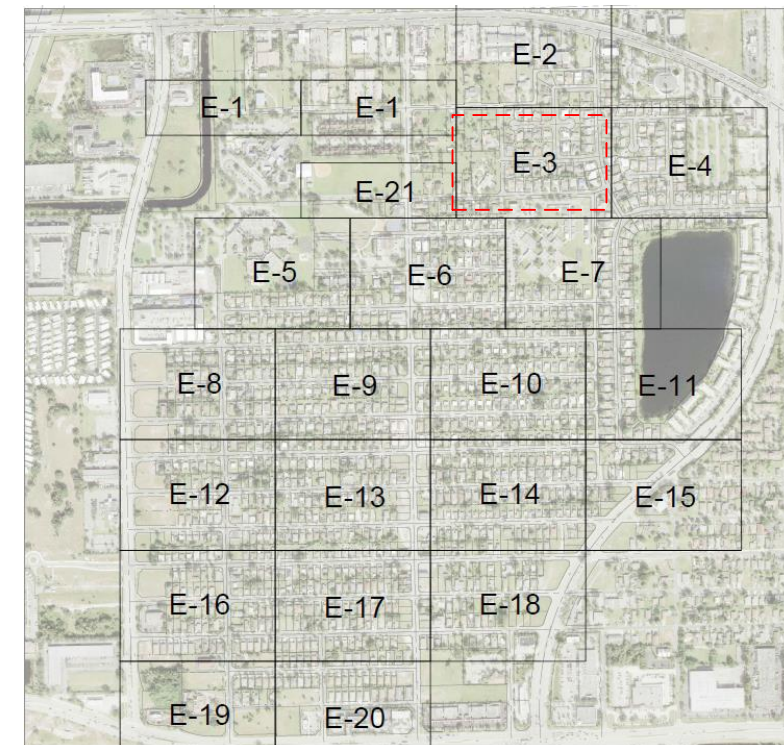
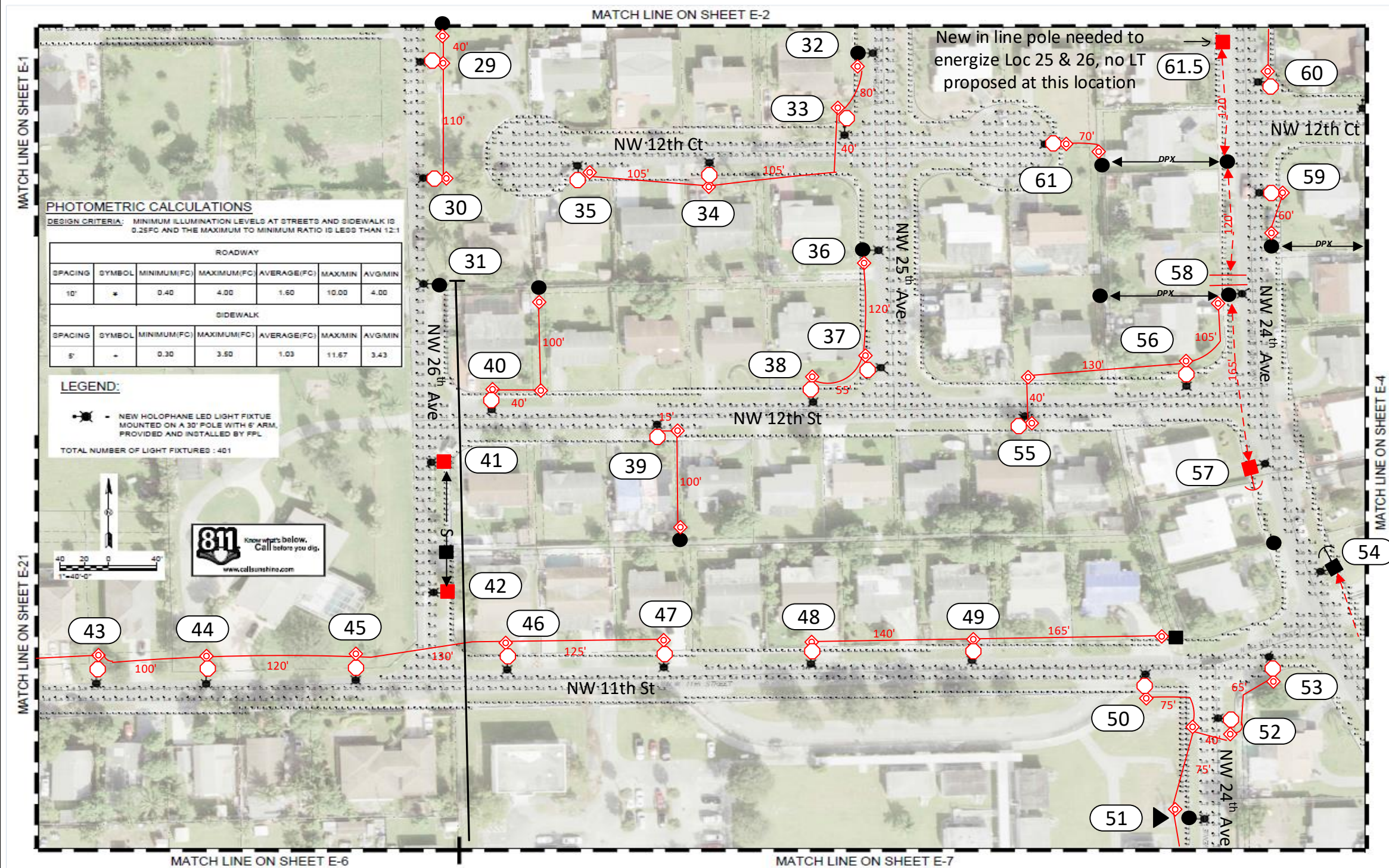


**Construction Notes: ( FPL contractor installing conduit)**

- Loc 15,25,26: Install 1 Holophane Teardrop fixture on existing distribution pole. New anchor at loc 26.
- Loc 17 to 24,27,28: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.
- Loc 16: install Holophane Teardrop fixture on new in-line distribution pole 45/3H. ( attached primary wire, 1 PH)
- Loc 25.5: Install in-line distribution pole 45/3H, only secondary framing required.

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.  
 - Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide

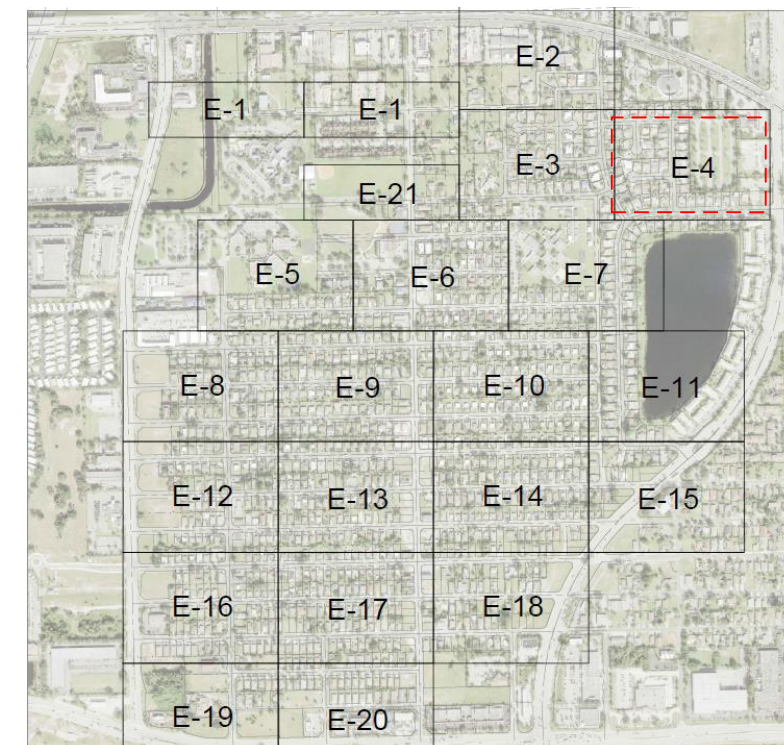
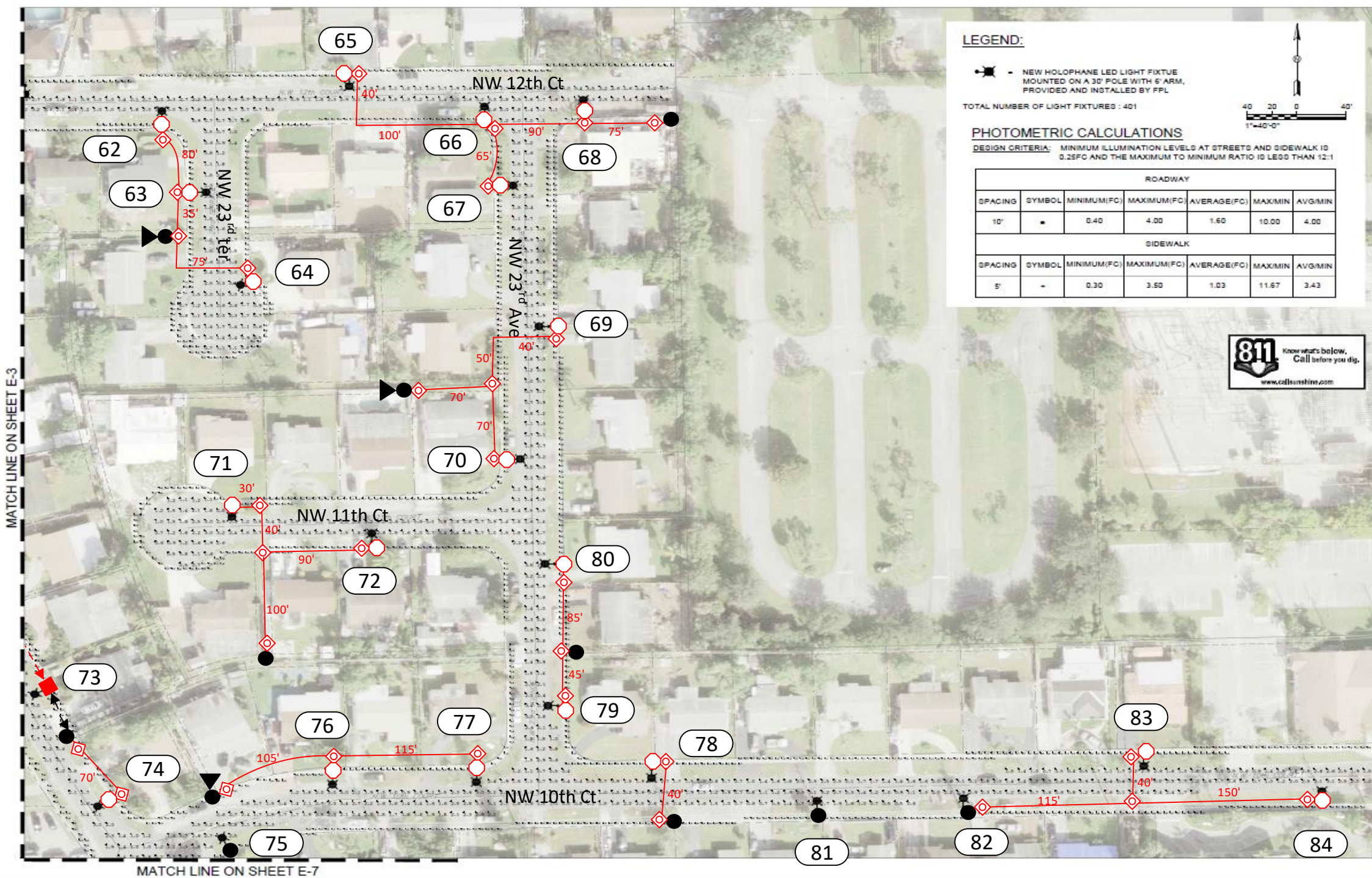


**Construction Notes: ( FPL contractor installing conduit)**

- Loc 31,32,36,51,54,58,: Install 1 Holophane Teardrop fixture on existing distribution pole.
- Loc 29,30,33-35,37,38,39,40,43-50,52,53,59-61: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.
- Loc 41,42,57: install Holophane Teardrop fixture on new in-line distribution pole 45/3H. (only sec wire for loc 57)
- Loc 61.5: Install in-line distribution pole 45/3H, only secondary framing required.

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.  
 - Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide

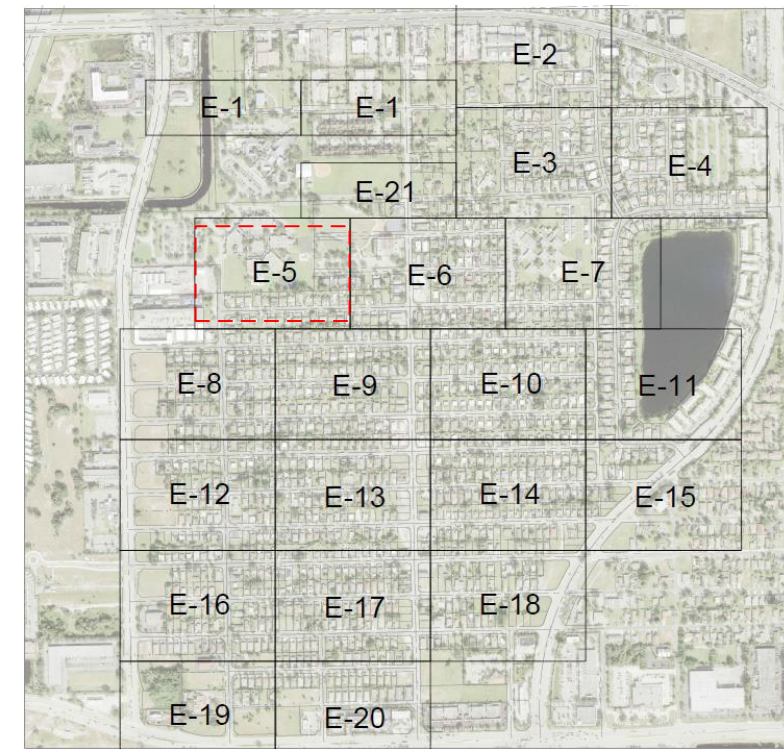
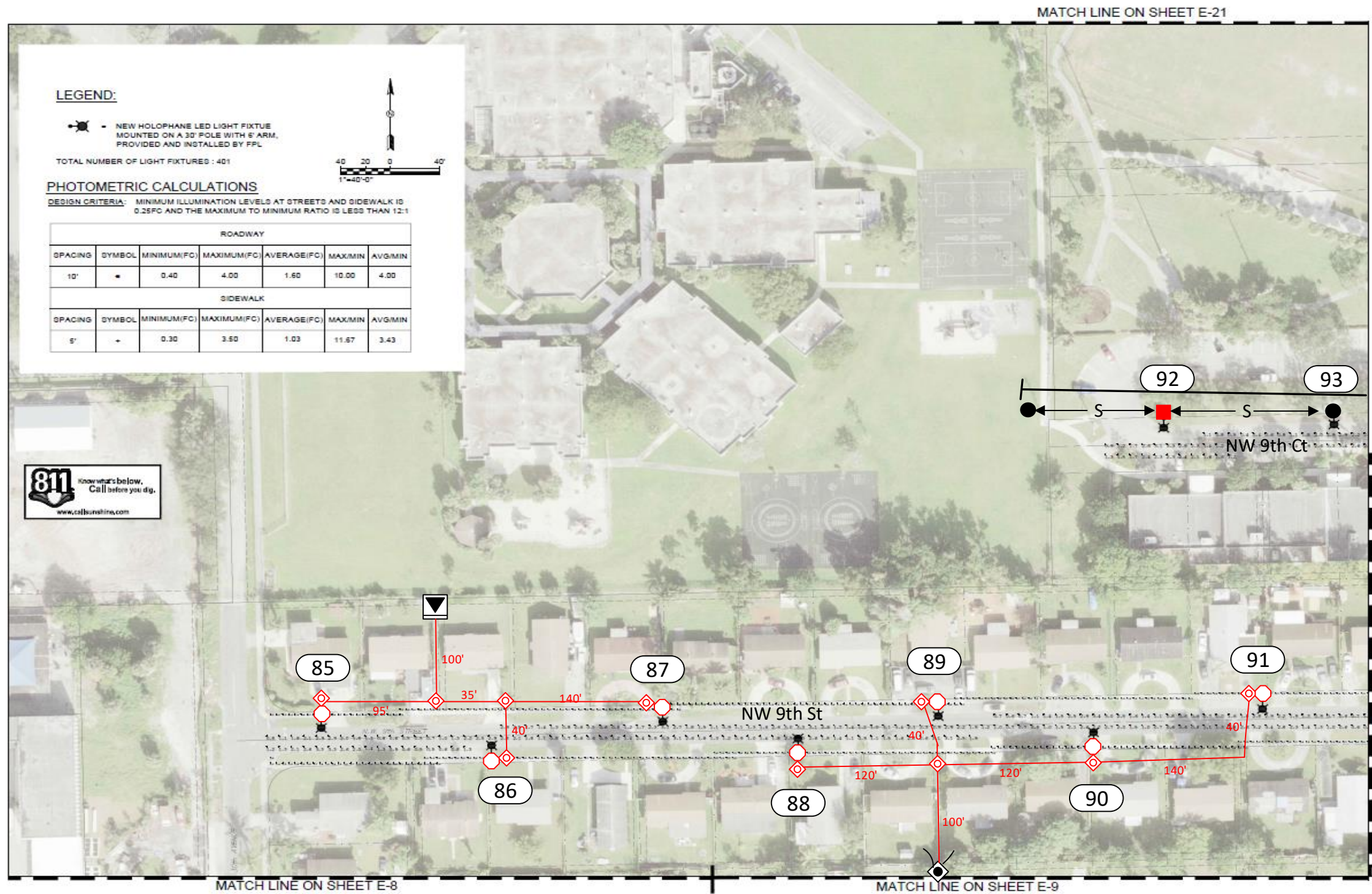


**Construction Notes: ( FPL contractor installing conduit)**

- Loc 75,81,82, ,: Install 1 Holophane Teardrop fixture on existing distribution pole.
- Loc 62 to 72,74,76 to 80,83,84: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.
- Loc 73: install Holophane Teardrop fixture on new in-line distribution pole 45/3H, attach secondary and span guy.

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.  
 - Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide

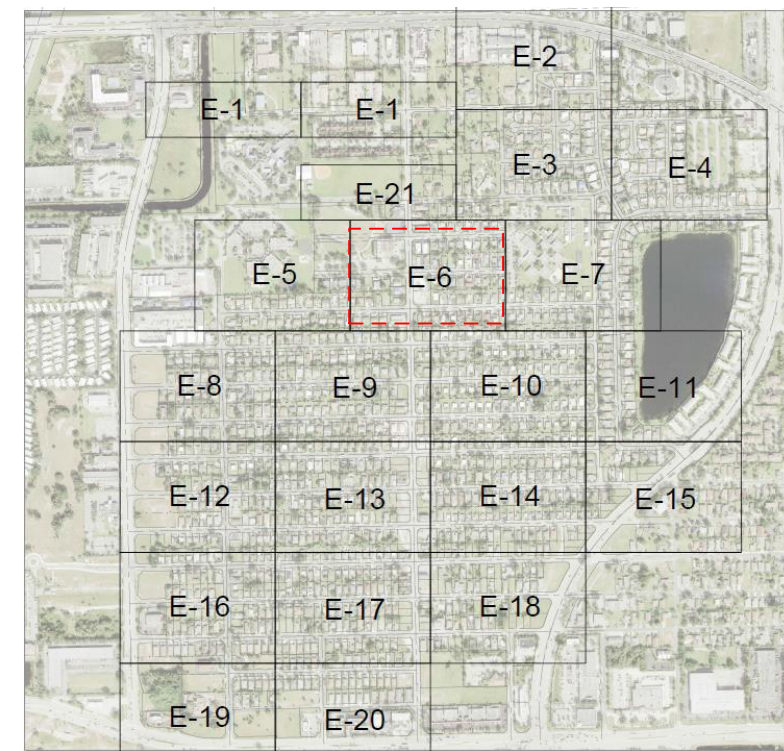
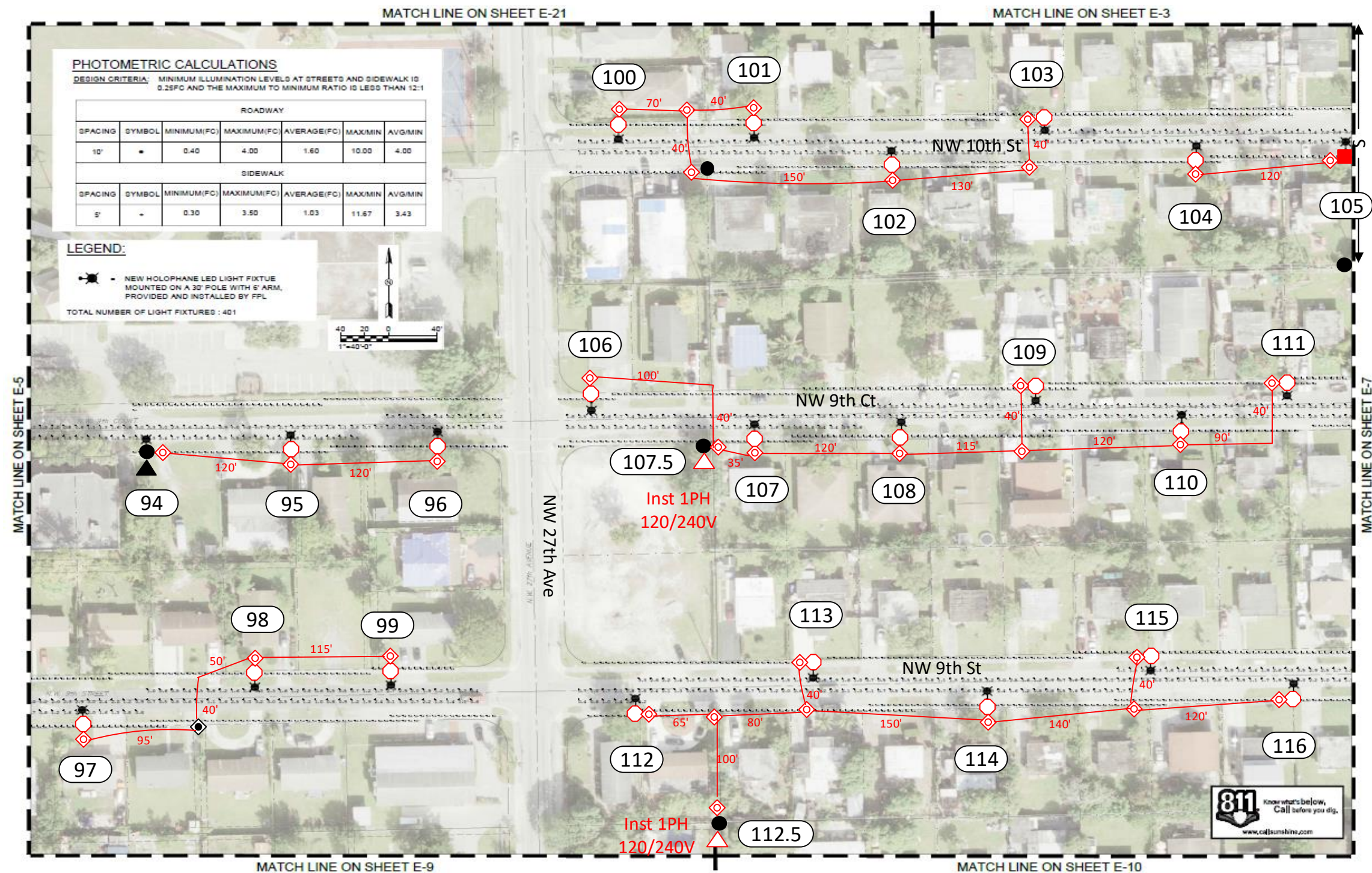


**Construction Notes: ( FPL contractor installing conduit)**

- Loc 93: Install 1 Holophane Teardrop fixture on existing distribution pole.
- Loc 85 to 91: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.
- Loc 92 install Holophane Teardrop fixture on new in-line distribution pole 45/3H, include primary framing.

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.  
 - Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide

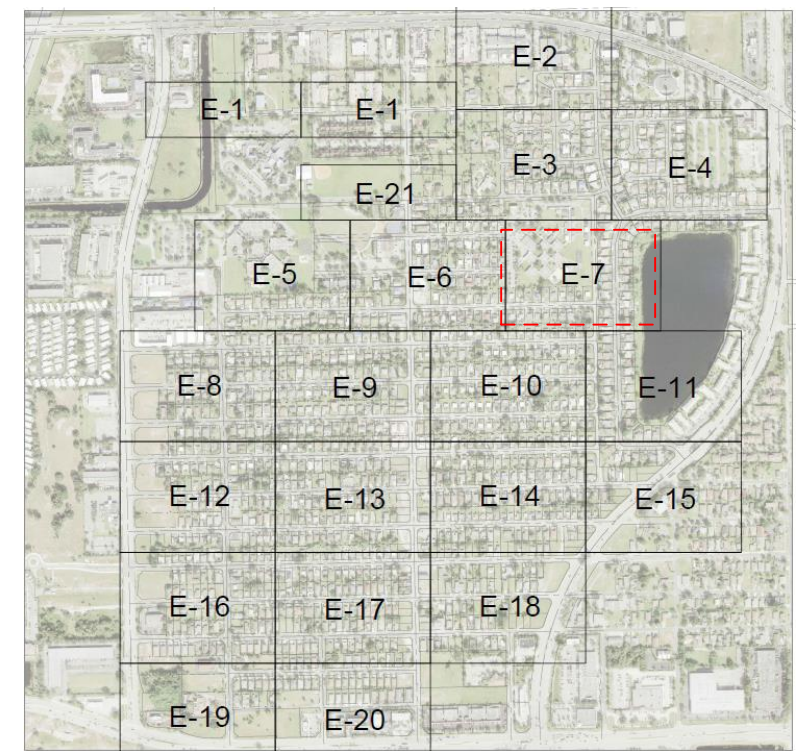
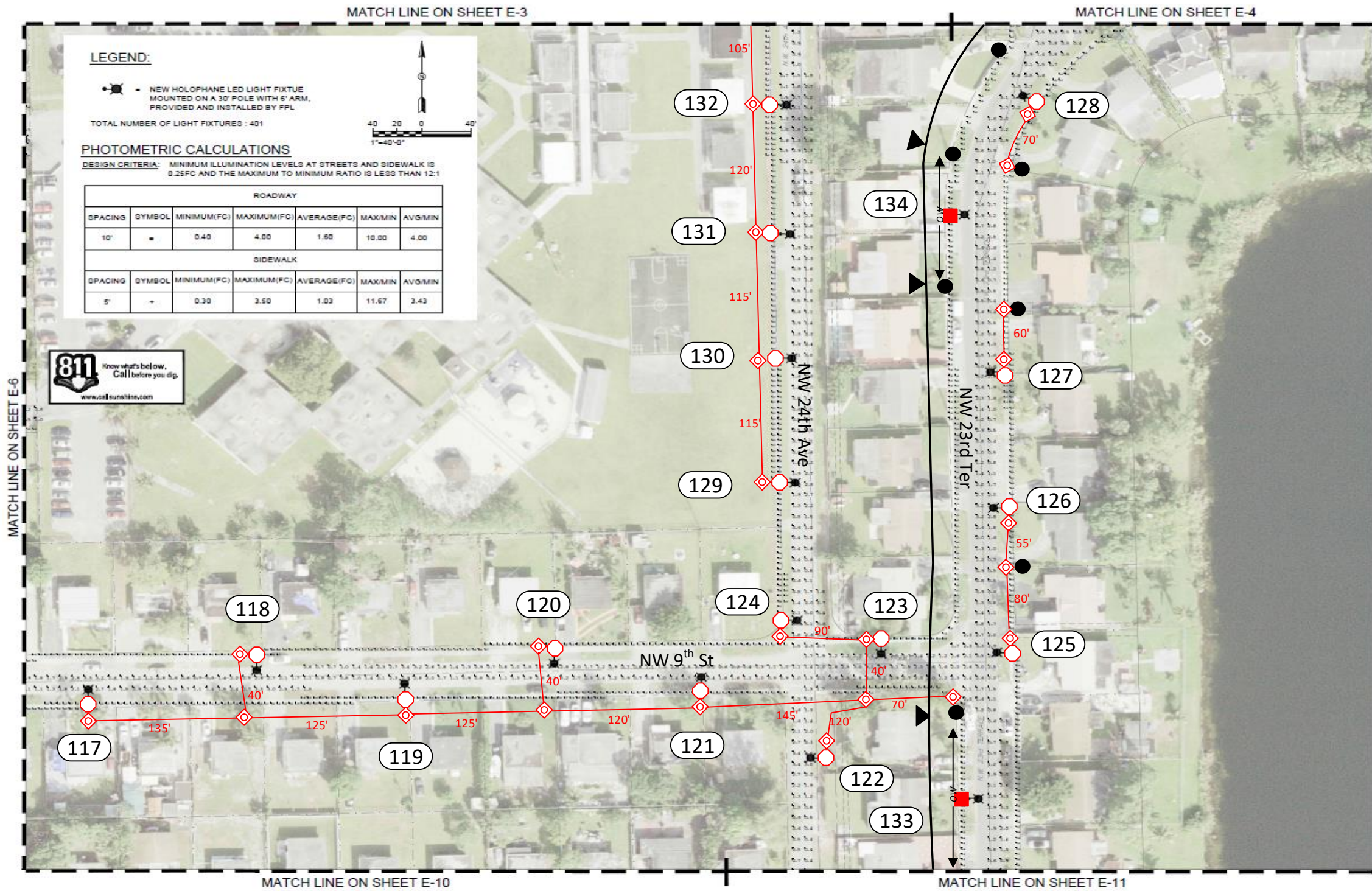


**Construction Notes: ( FPL contractor installing conduit)**

- Loc 94: Install 1 Holophane Teardrop fixture on existing distribution pole.
- Loc 95 to 104, 106 to 116: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.
- Loc 105: install Holophane Teardrop fixture on new in-line distribution pole 45/3H, include primary framing.
- Loc 107.5, 112.5: install 1PH 25 KVA OHTX 120/240V.

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.  
 - Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide

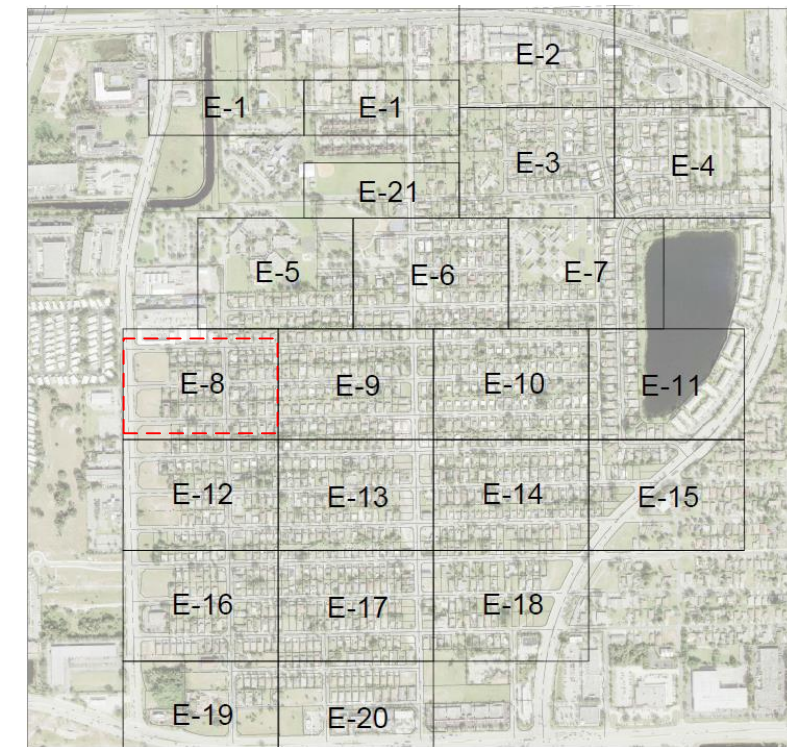
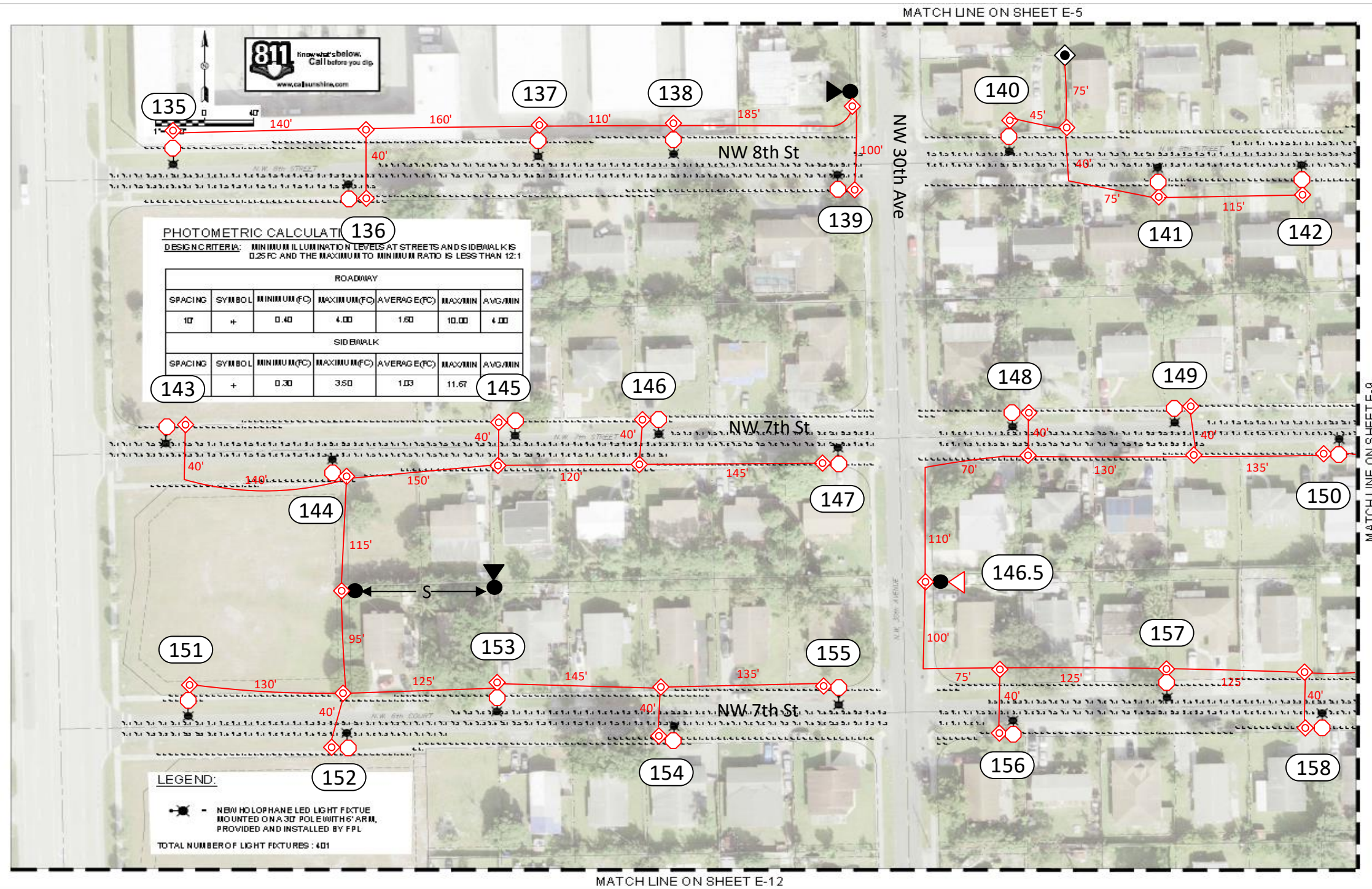


**Construction Notes: ( FPL contractor installing conduit)**

Loc 117 to 132: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.  
 Loc 133,134: install Holophane Teardrop fixture on new in-line distribution pole 45/3H, include primary framing.

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.  
 - Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide



**Construction Notes: ( FPL contractor installing conduit)**

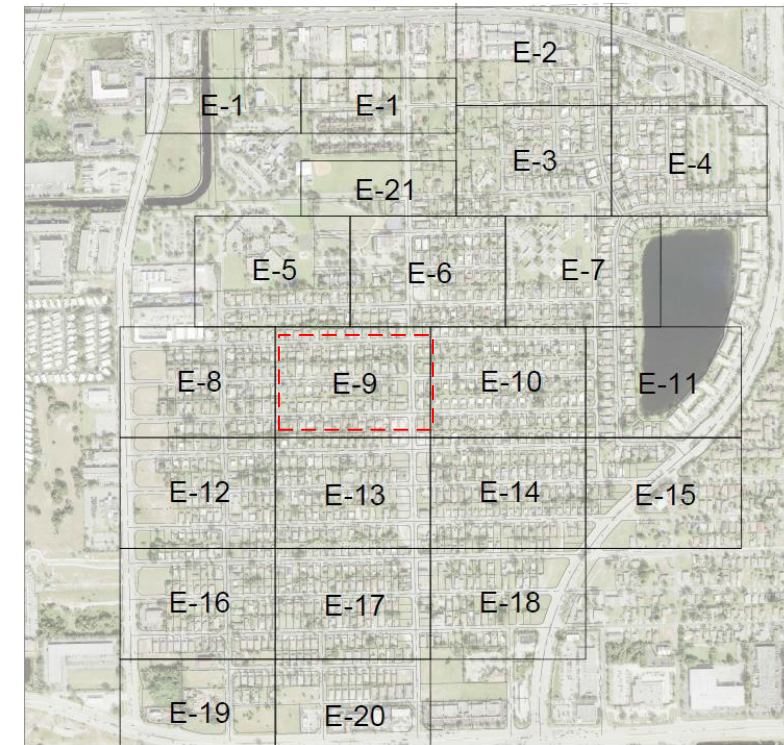
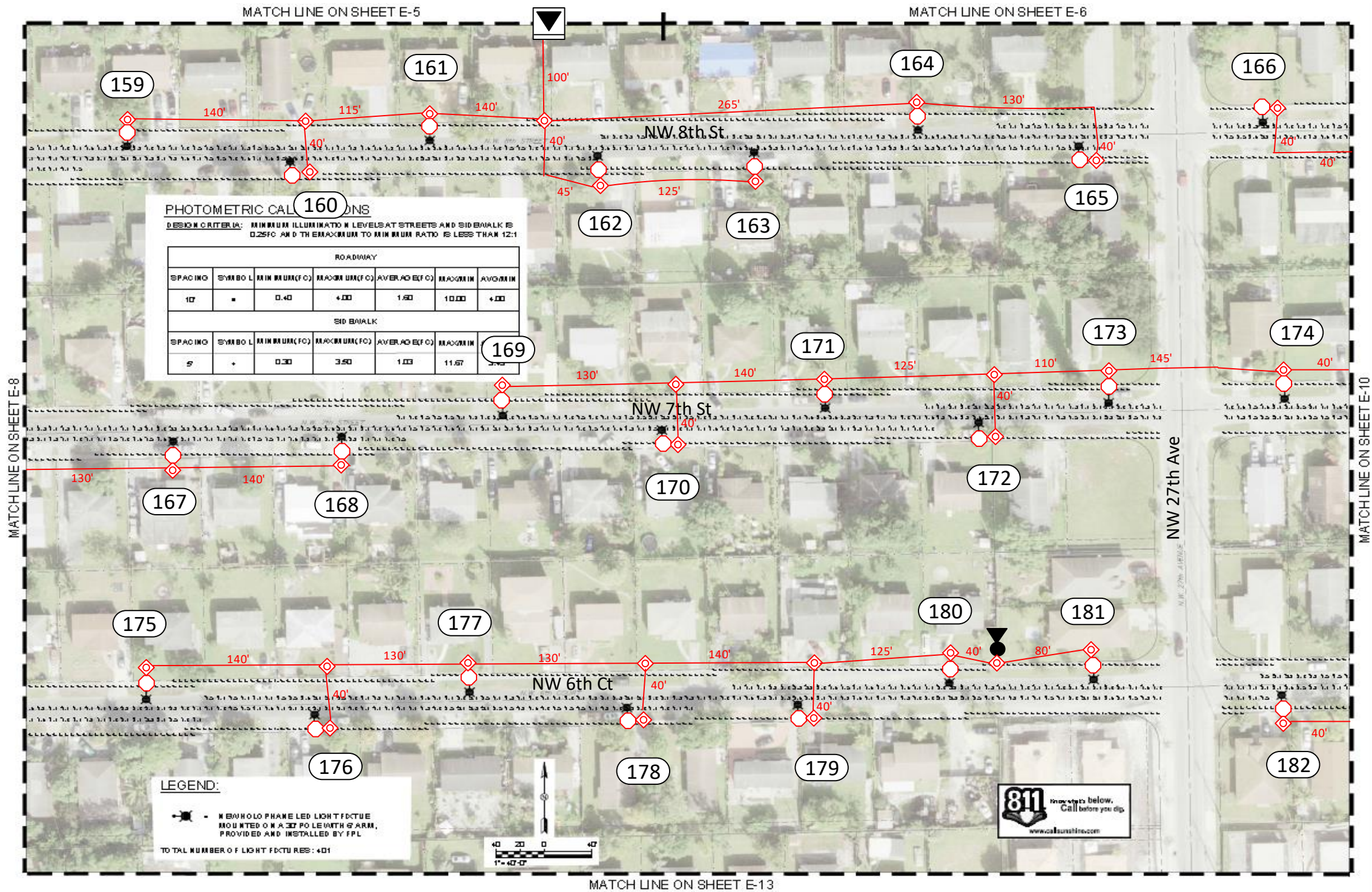
1

Loc 135 to 158: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.  
 Loc 146.5: install 1PH 25 KVA OHTX 120/240V.

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.  
 - Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide



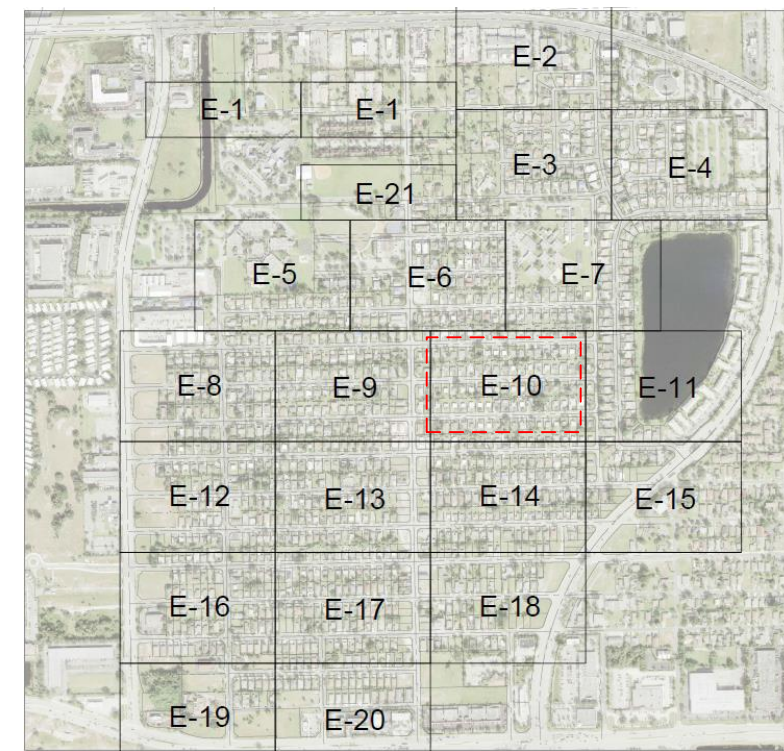
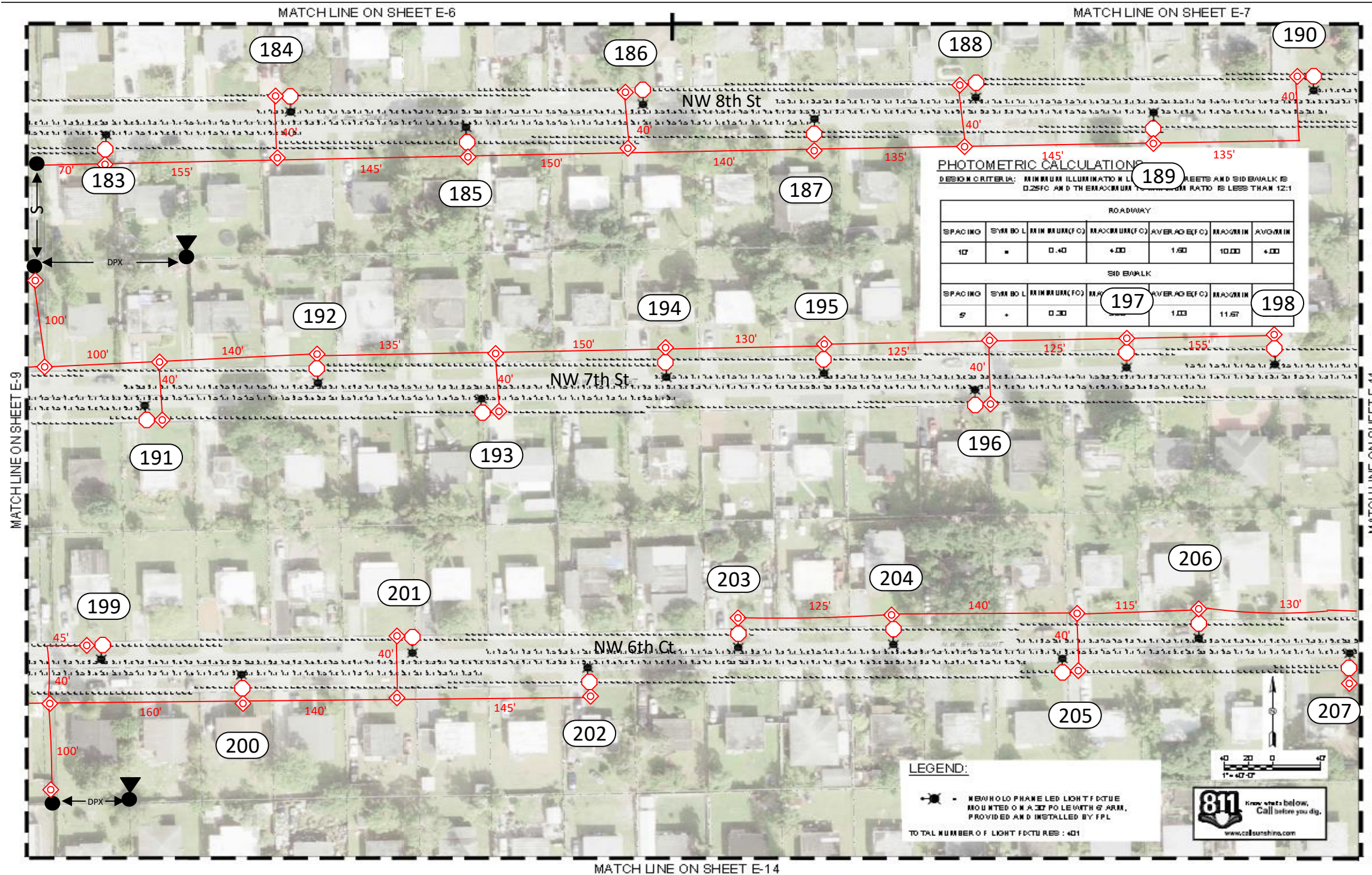


**Construction Notes: ( FPL contractor installing conduit)**

Loc 159 to 182: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.  
 - Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide

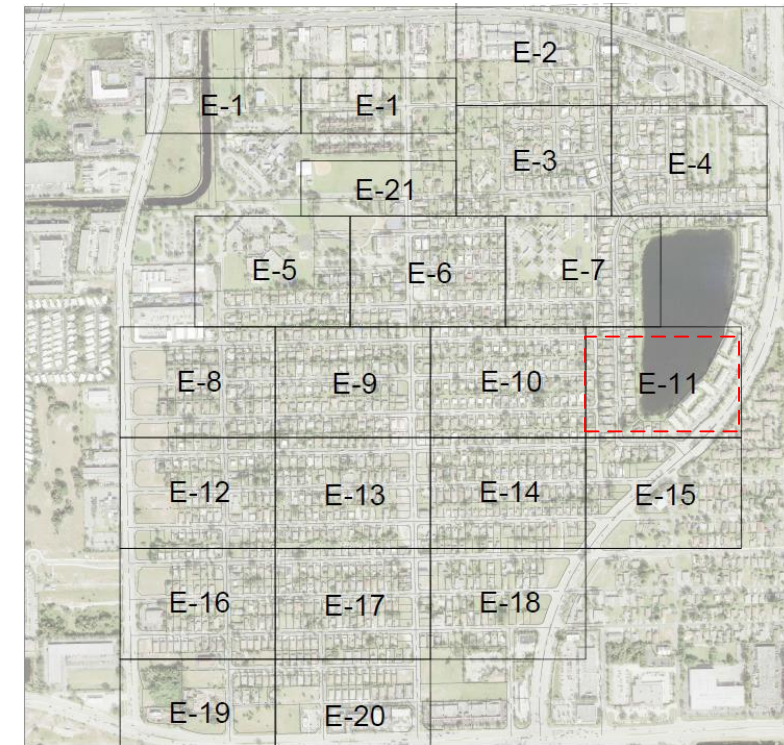
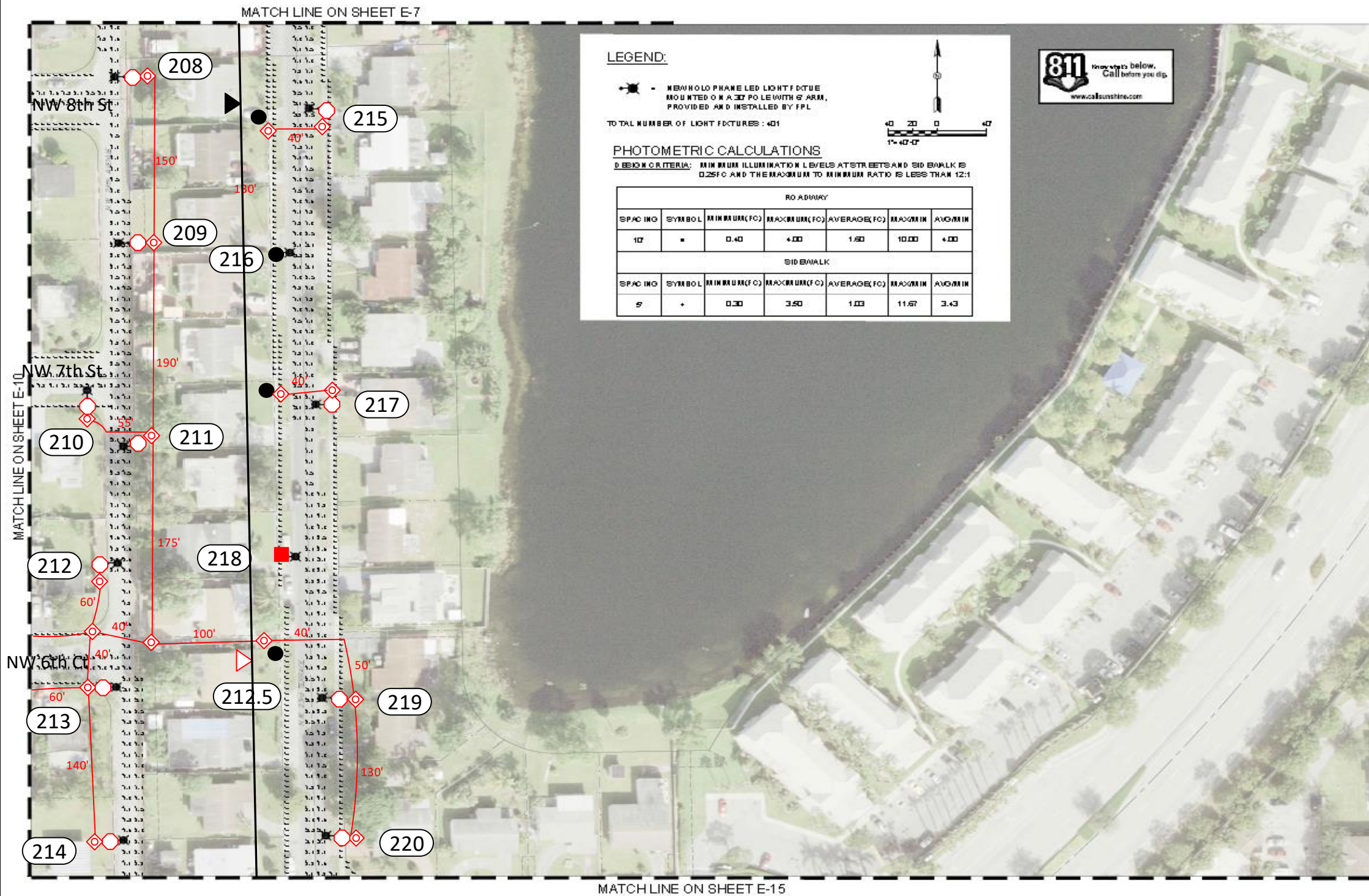


**Construction Notes: ( FPL contractor installing conduit)**

Loc 183 to 207: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.  
 - Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide

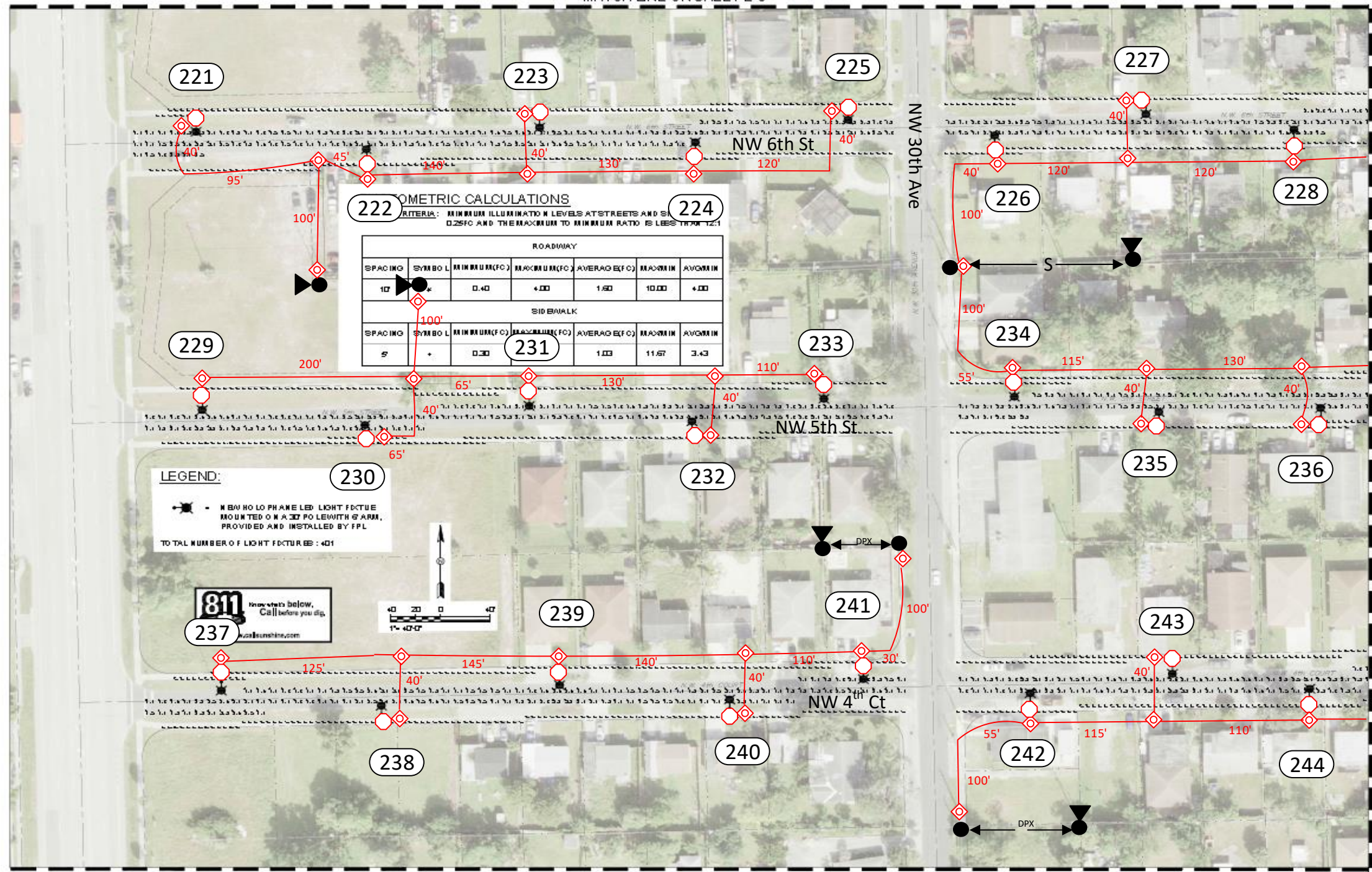


**Construction Notes: ( FPL contractor installing conduit)**

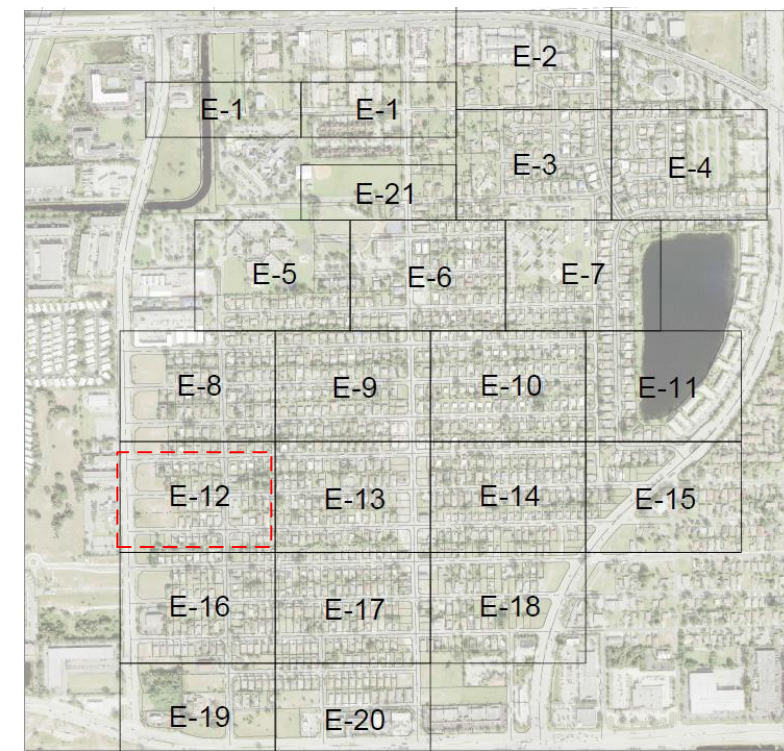
- Loc 208 to 215, 217, 219, 220: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.
- Loc 216: Install 1 Holophane Teardrop fixture on existing distribution pole
- Loc 212.5 : Install 1PH OHTX KVA 120/240V
- Loc 218: install Holophane Teardrop fixture on new in-line distribution pole 45/3H, include primary framing.
- FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.
- Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide

MATCH LINE ON SHEET E-8



MATCH LINE ON SHEET E-16



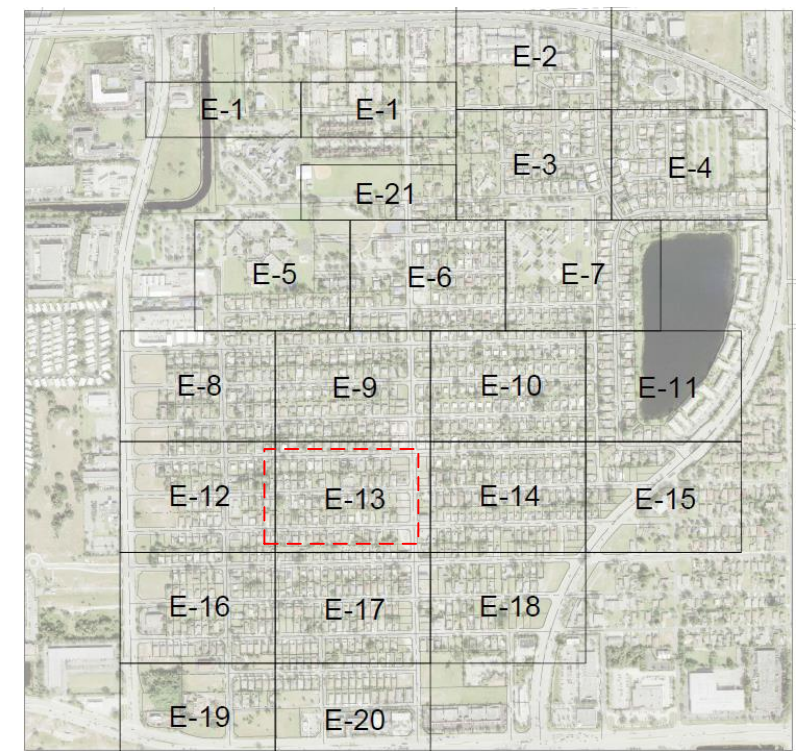
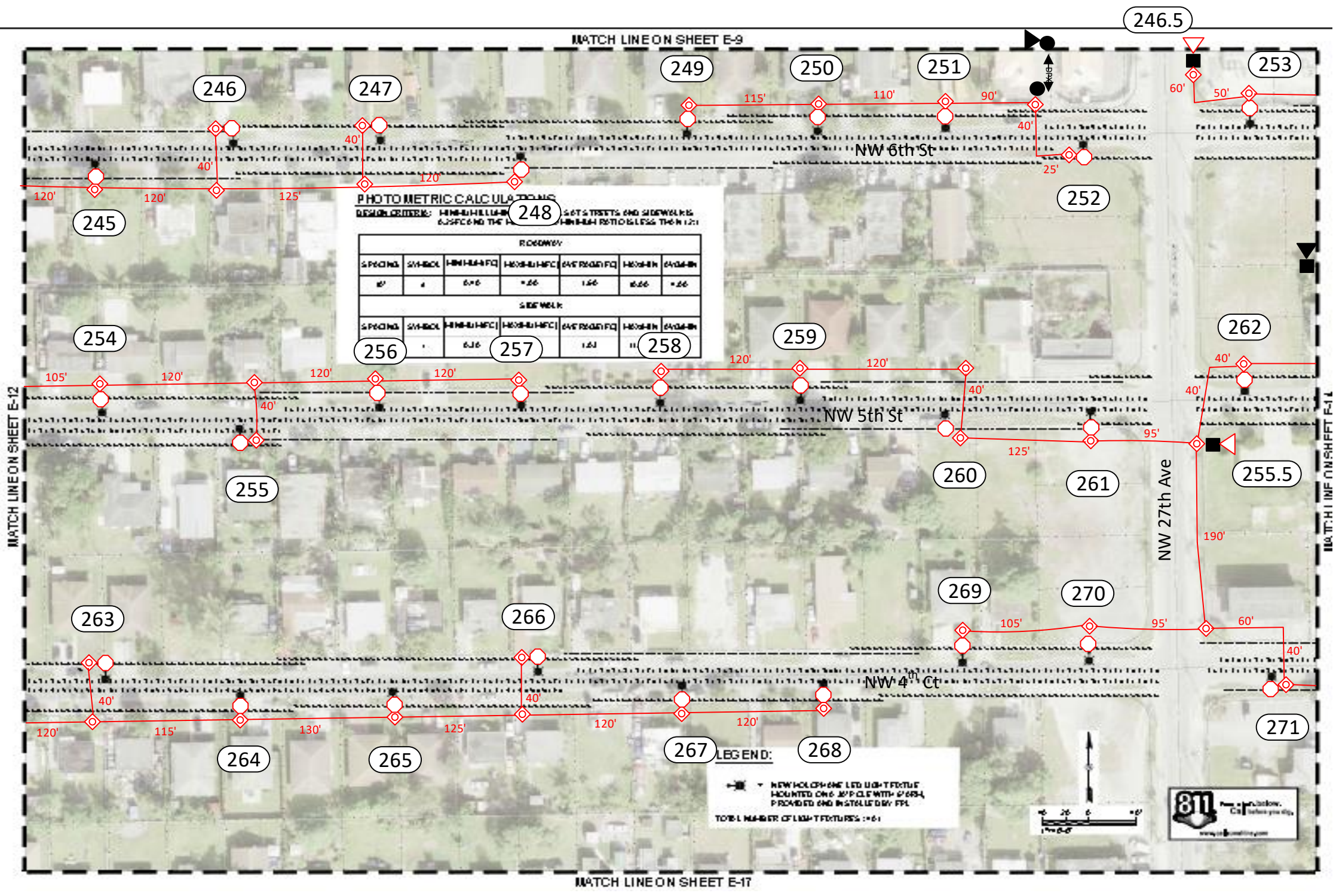
**Construction Notes: ( FPL contractor installing conduit)**

Loc 221 to 244: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.

- Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide

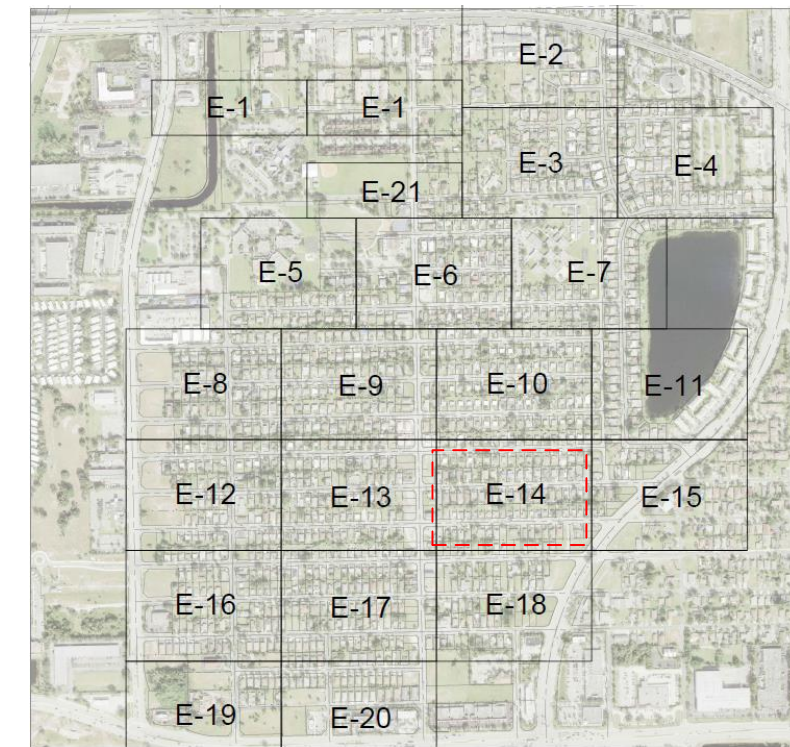
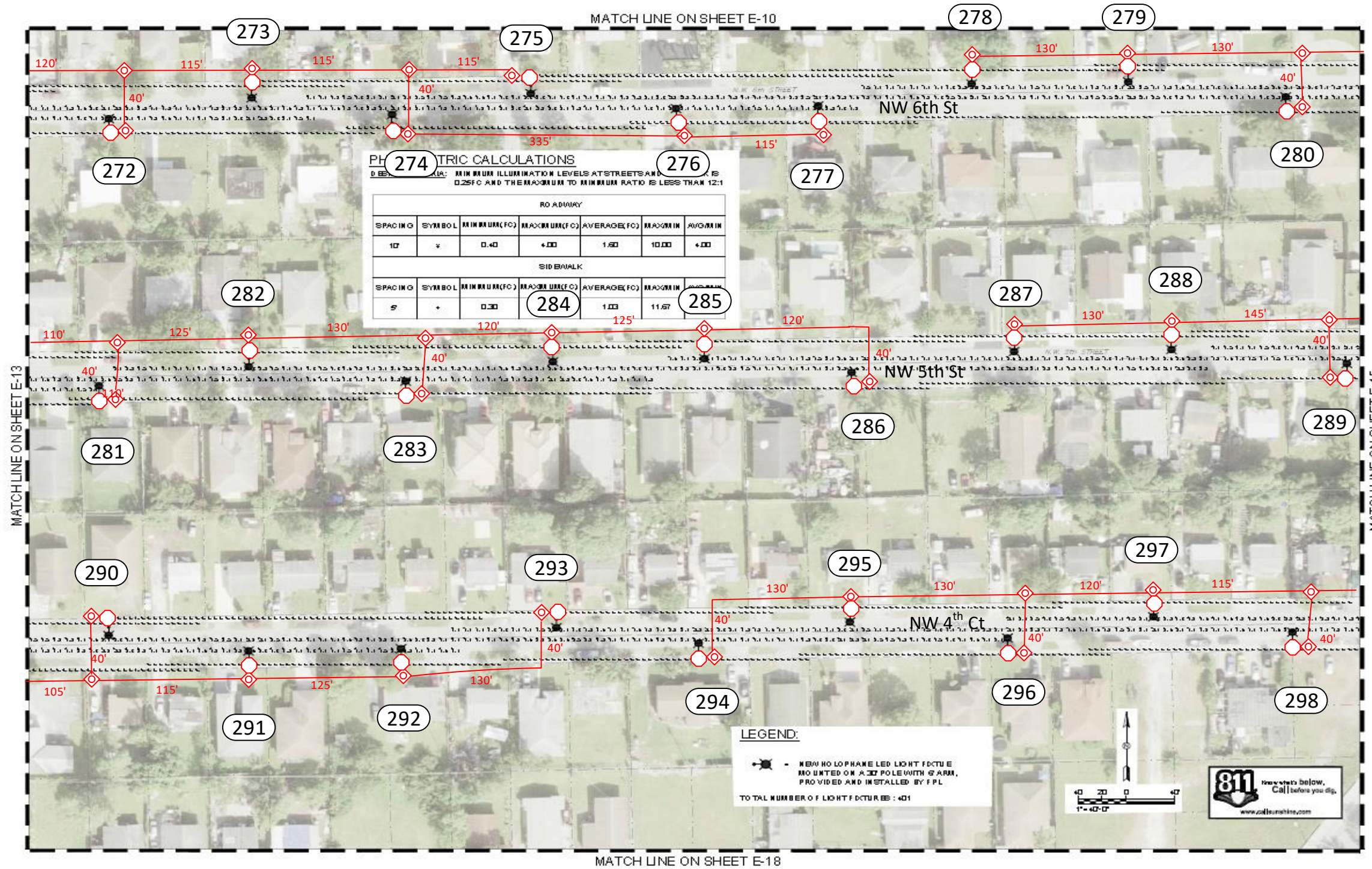


**Construction Notes: ( FPL contractor installing conduit)**

Loc 245 to 271: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.  
 Loc 246.5, 255.5 : Install 1PH 25KVA OHTX KVA 120/240V

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.  
 - Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide



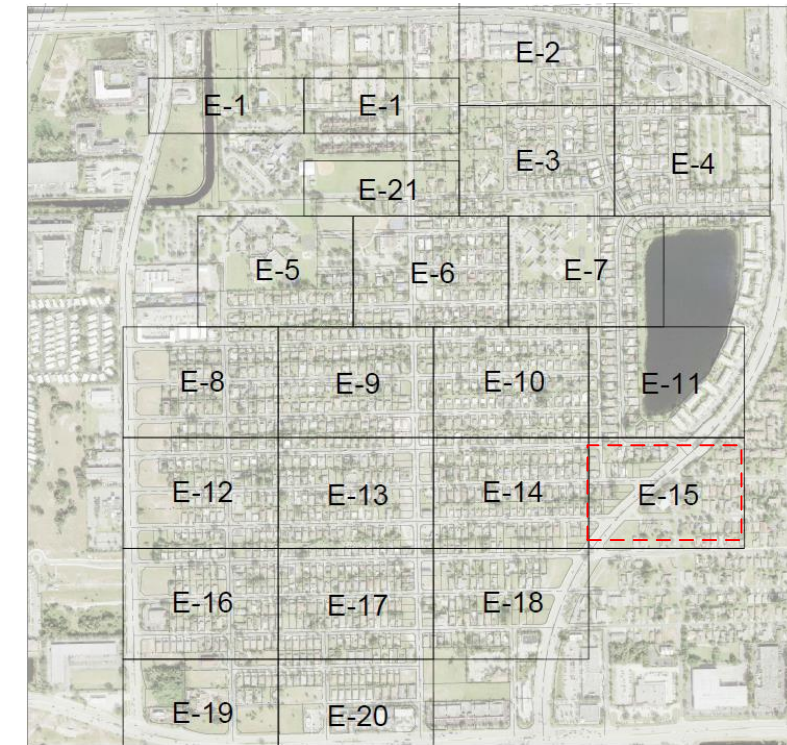
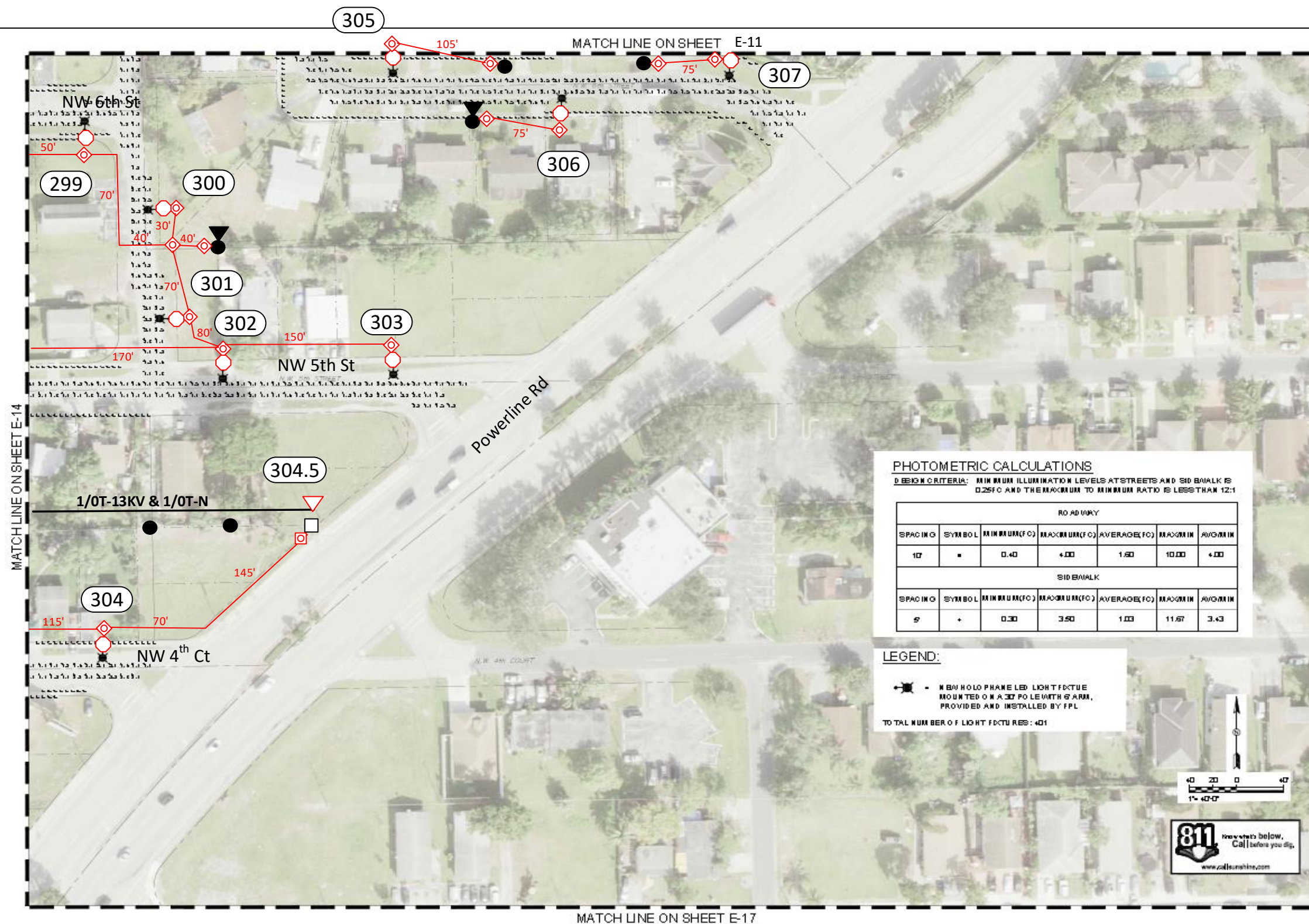
**Construction Notes: ( FPL contractor installing conduit)**

Loc 272 TO 298: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.

- Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide

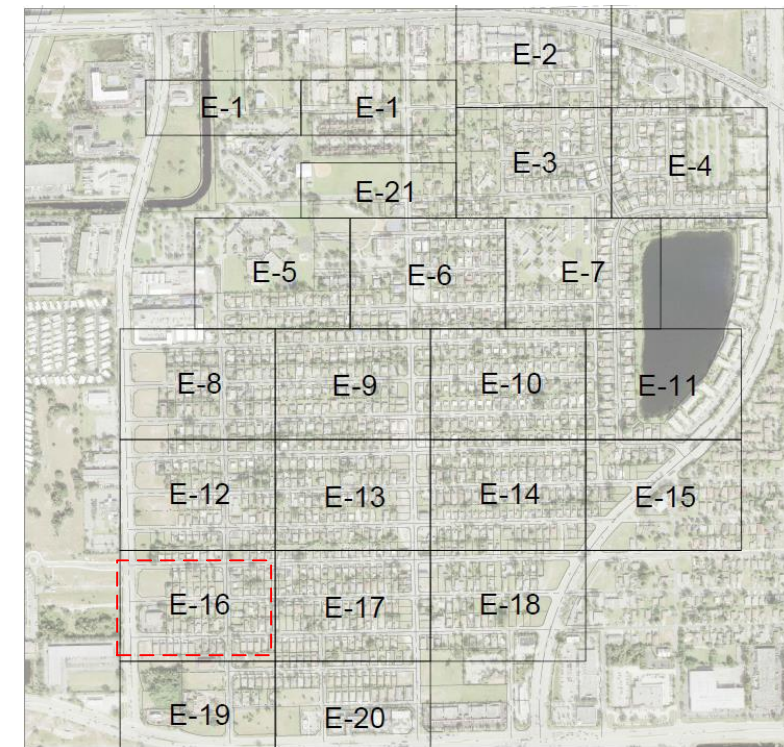
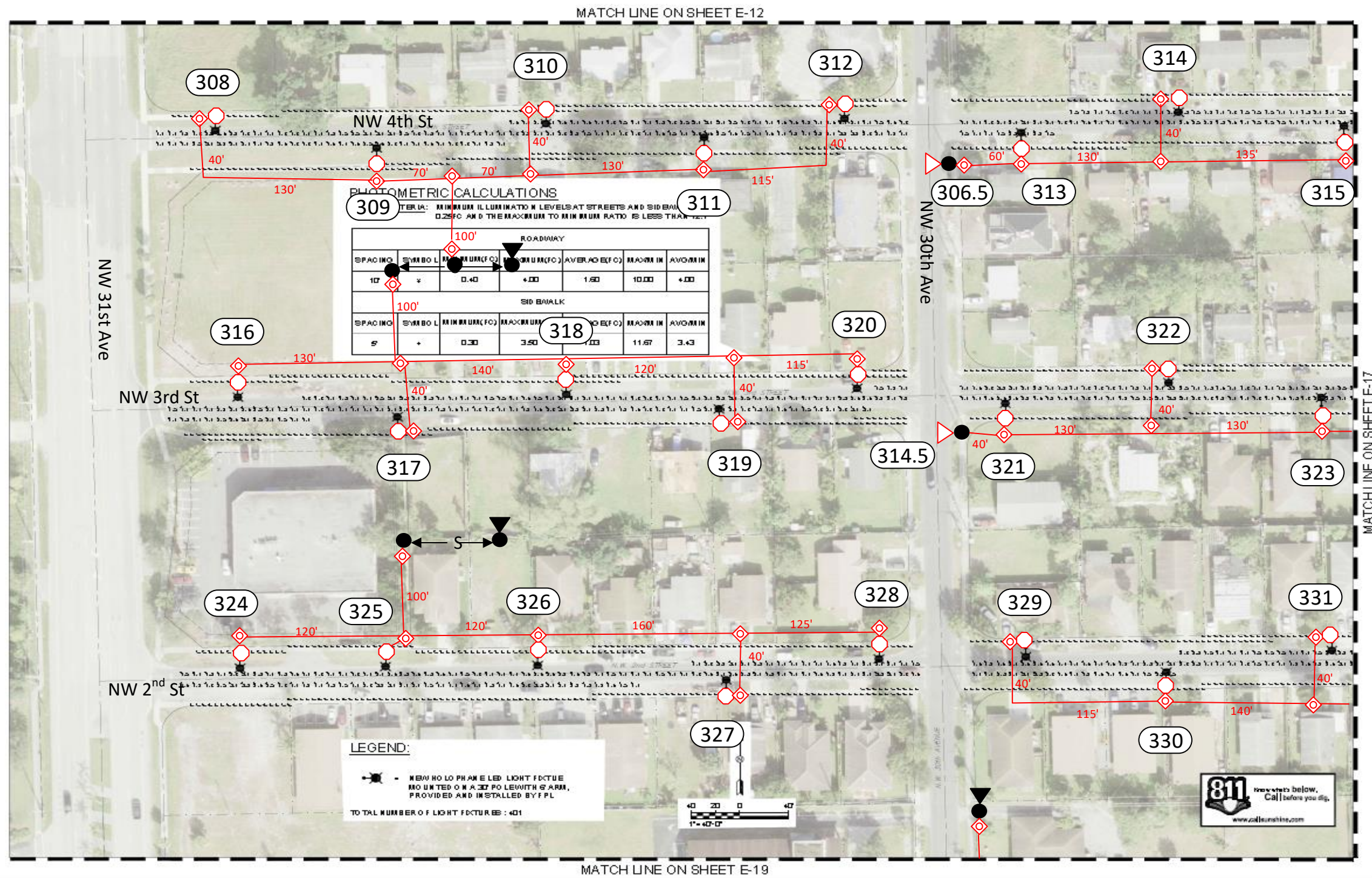


**Construction Notes: ( FPL contractor installing conduit)**

Loc 299 to 307: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.  
 Loc 304.5 : Install 1PH 25KVA OHTX KVA 120/240V

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.  
 - Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide



**Construction Notes: ( FPL contractor installing conduit)**

Loc 308 to 331: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.

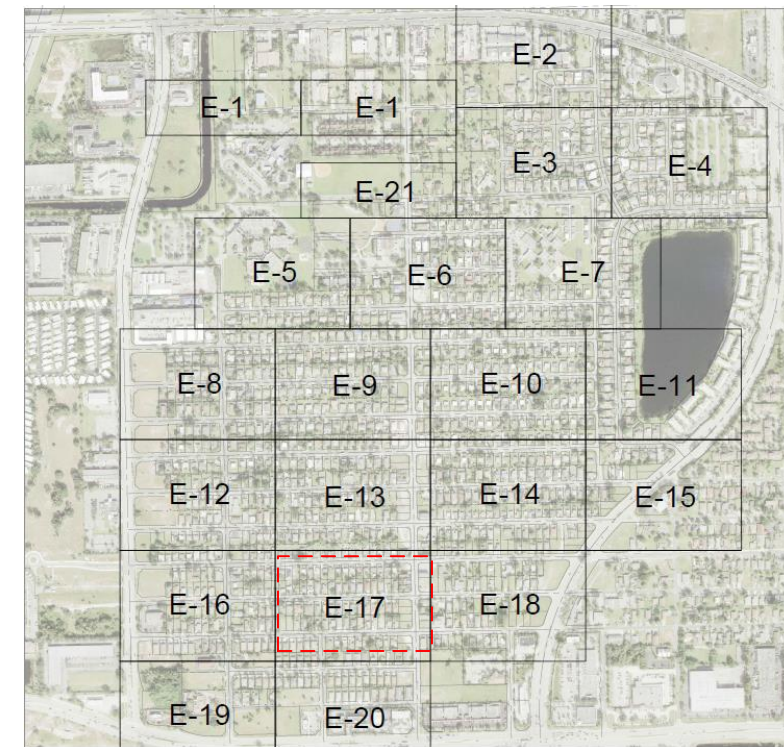
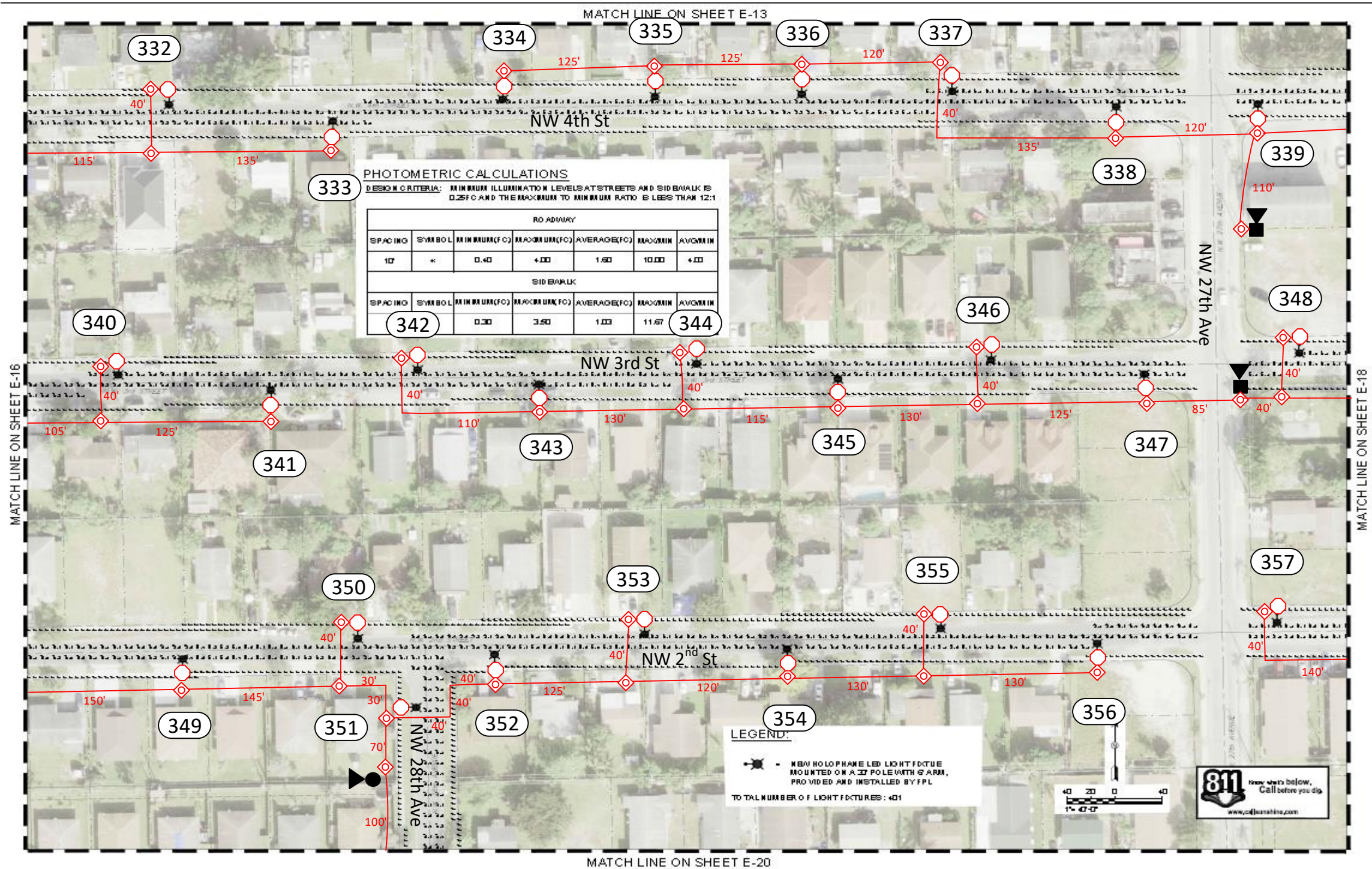
Loc 306.5, 314.5 : Install 1PH 25KVA OHTX KVA 120/240V

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.

- Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide





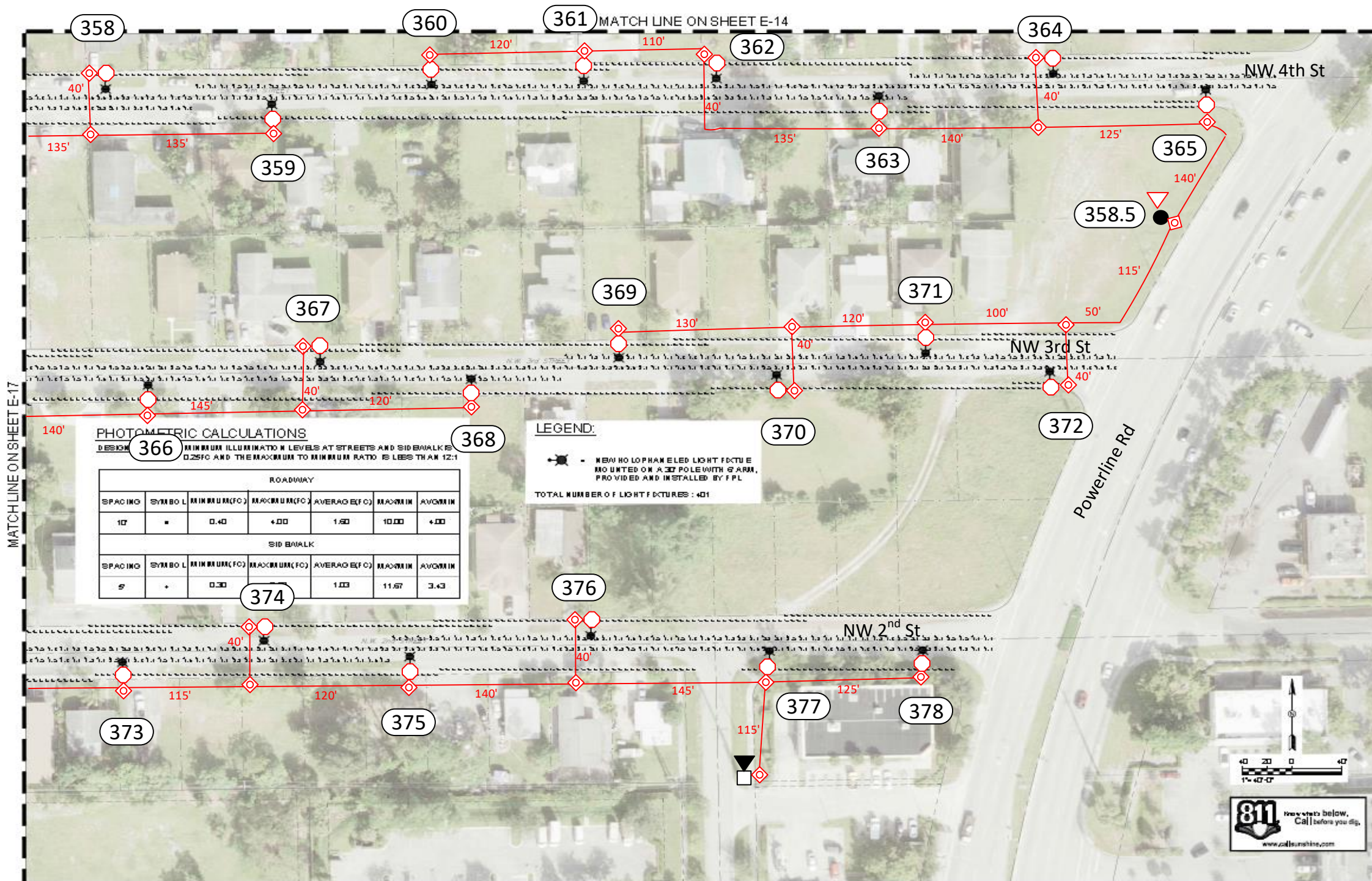
**Construction Notes: ( FPL contractor installing conduit)**

Loc 332 to 357: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.

- Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide



**Construction Notes: ( FPL contractor installing conduit)**

Loc 358 to 378: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.

Loc 358.5 : Install 1PH 25KVA OHTX KVA 120/240V

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.

- Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide


MATCH LINE ON SHEET E-18

**PHOTOMETRIC CALCULATIONS**

DESIGN CRITERIA: MINIMUM ILLUMINATION LEVELS AT STREETS AND SIDEWALK IS 0.25FC AND THE MAXIMUM TO MINIMUM RATIO IS LESS THAN 12:1

ROADWAY						
SPACING	SYMBOL	MINIMUM(FC)	MAXIMUM(FC)	AVERAGE(FC)	MAX:MIN	AVG:MIN
10'	#	0.40	4.00	1.60	10.00	4.00
SIDEWALK						
SPACING	SYMBOL	MINIMUM(FC)	MAXIMUM(FC)	AVERAGE(FC)	MAX:MIN	AVG:MIN
5'	+	0.30	3.50	1.03	11.67	3.43

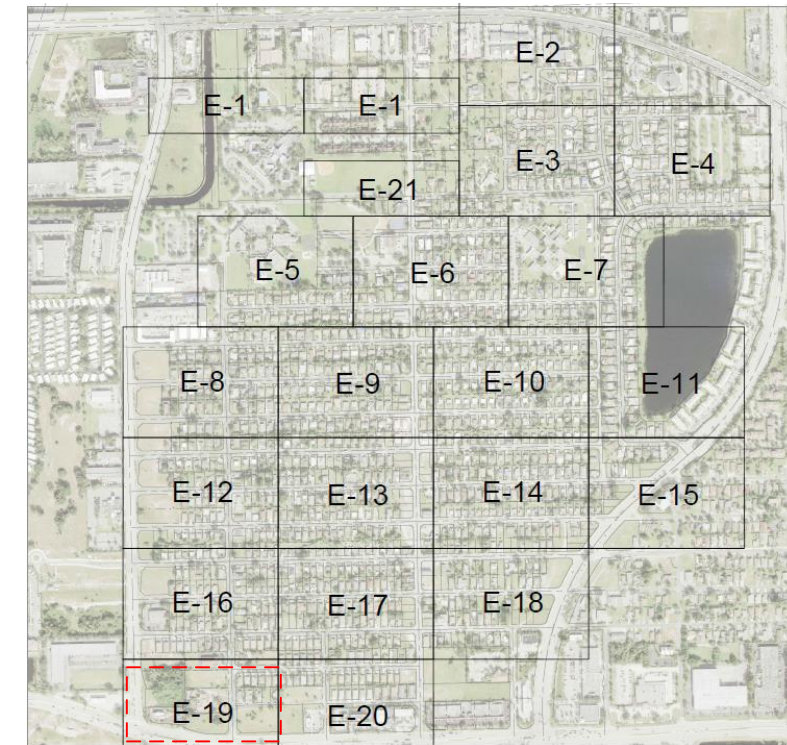
**LEGEND:**

 = NEW HOLOPHANE LED LIGHT FIXTURE MOUNTED ON A 30' POLE WITH 6' ARM, PROVIDED AND INSTALLED BY FPL

TOTAL NUMBER OF LIGHT FIXTURES : 401



MATCH LINE ON SHEET E-20



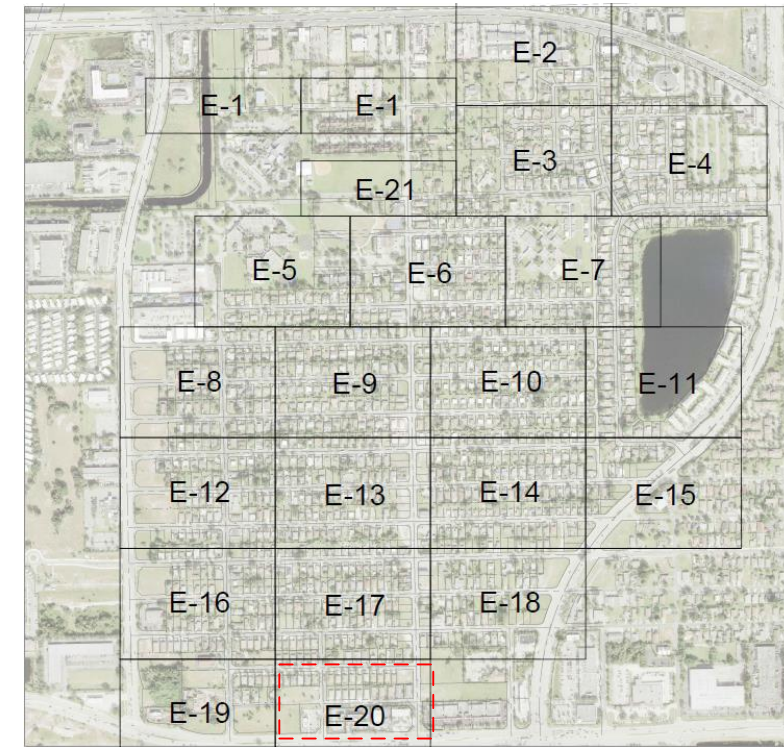
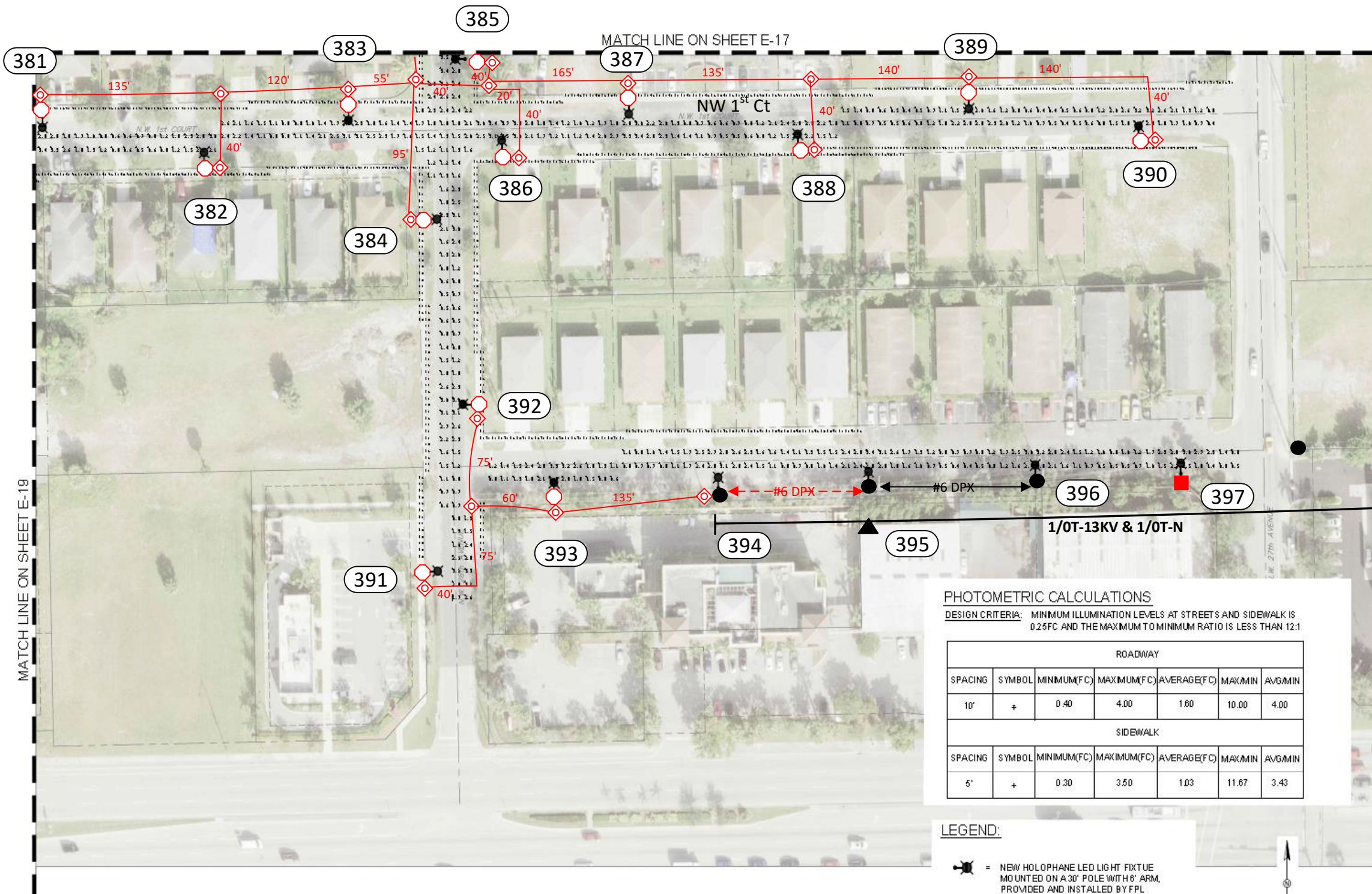
**Construction Notes: ( FPL contractor installing conduit)**

Loc 372,373: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.

- Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide

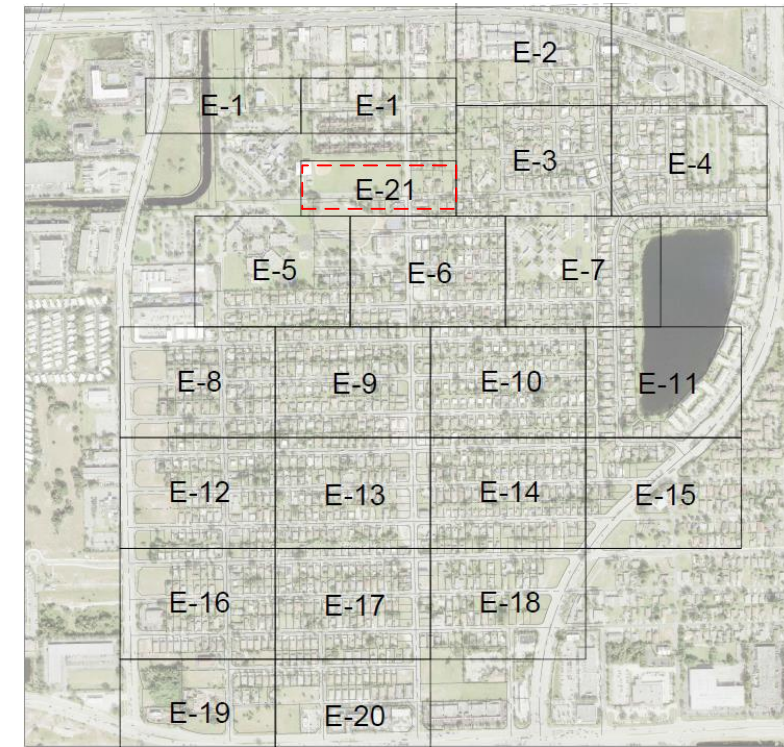


**Construction Notes: ( FPL contractor installing conduit)**

- Loc 381 to 393: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.
- Loc 394 to 396: Install 1 Holophane Teardrop fixture on existing distribution pole.
- Loc 397: install Holophane Teardrop fixture on new in-line distribution pole 45/3H. ( include primary framing)

FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.  
 - Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide



**Construction Notes: ( FPL contractor installing conduit)**

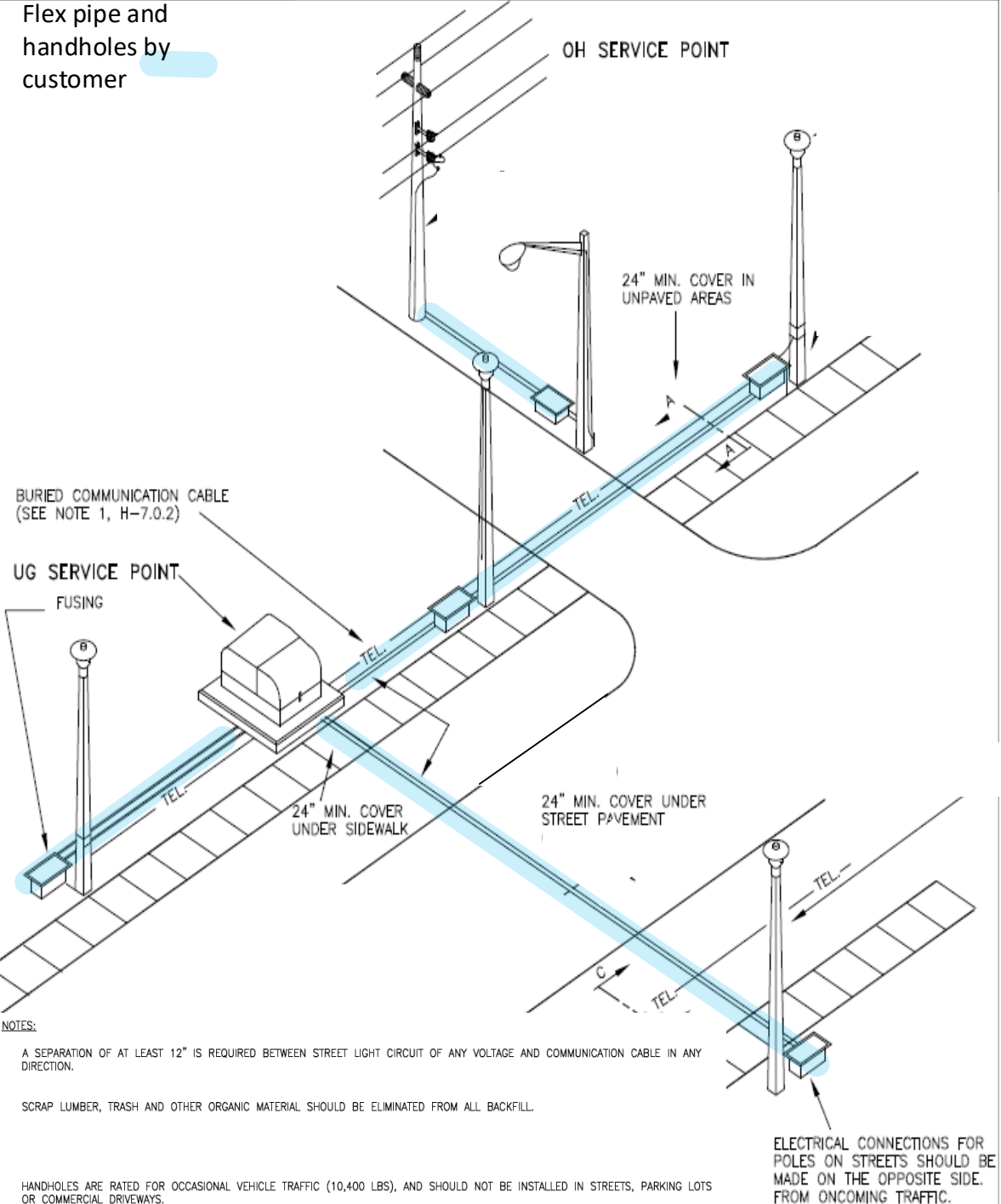
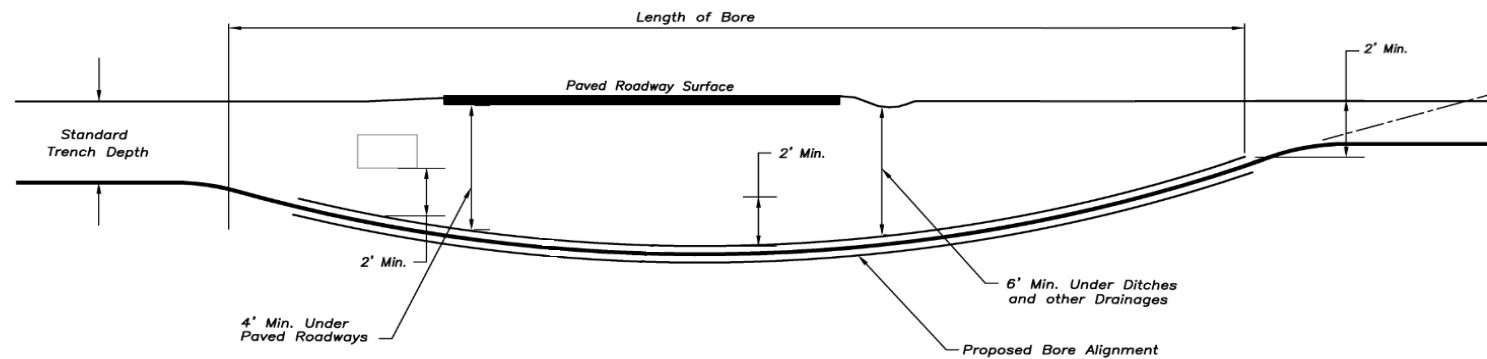
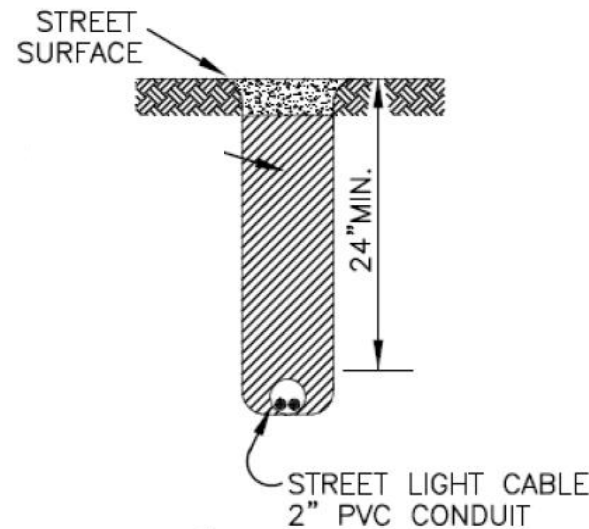
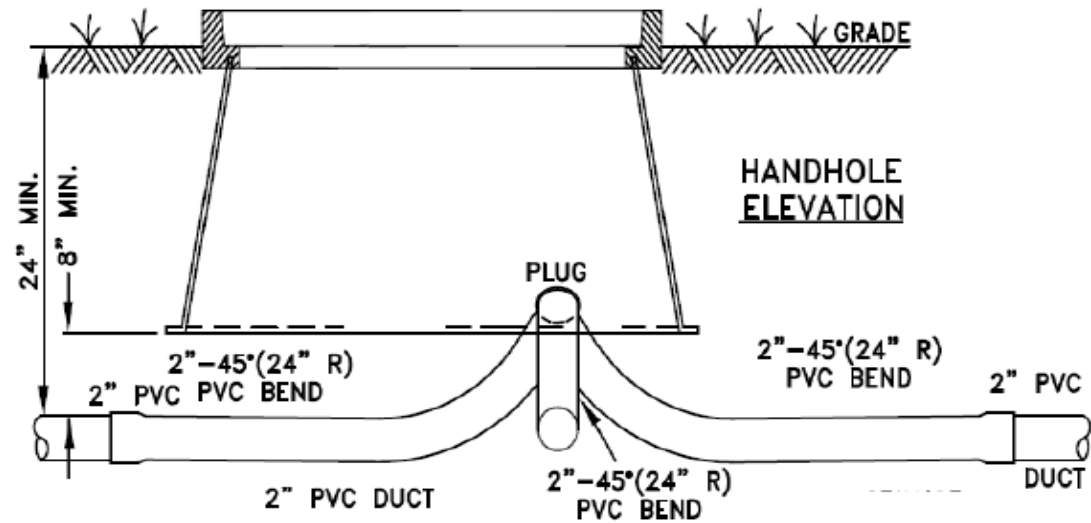
Loc 398 to 400: Install 1 Holophane Teardrop fixture on new SL Octagonal concrete pole.

**Staking details on page 14.**

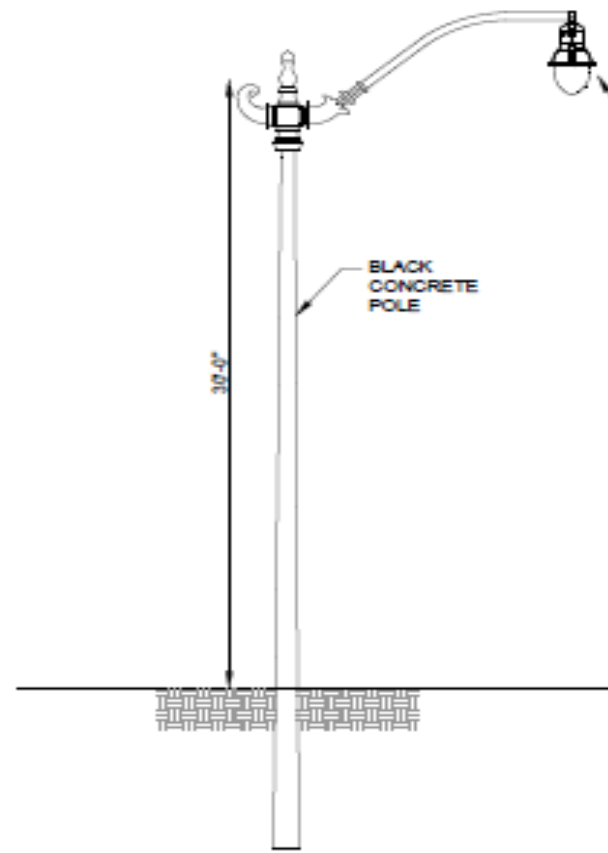
FPL contractor to install 2" flex pipe with 24" minimum cover as shown in the drawing. FPL contractor installing handholes and staking locations of the poles. Poles on this page to be installed in front of the side, in the R/w, at around 10ft from the EOP. Stake locations of the poles by the property lines where applicable or in the most convenient area when the poles are in front of houses. FPL to install OH #6DPX spans as shown in the sketch and to pull 1/0 TPX UG.

- Customer responsible for any restoration required. All handholes to be 17" unless noted.

Sales Rep: Franc Arbide



**NOTES:**  
 A SEPARATION OF AT LEAST 12" IS REQUIRED BETWEEN STREET LIGHT CIRCUIT OF ANY VOLTAGE AND COMMUNICATION CABLE IN ANY DIRECTION.  
 SCRAP LUMBER, TRASH AND OTHER ORGANIC MATERIAL SHOULD BE ELIMINATED FROM ALL BACKFILL.  
 HANDHOLES ARE RATED FOR OCCASIONAL VEHICLE TRAFFIC (10,400 LBS), AND SHOULD NOT BE INSTALLED IN STREETS, PARKING LOTS OR COMMERCIAL DRIVEWAYS.  
 ELECTRICAL CONNECTIONS FOR POLES ON STREETS SHOULD BE MADE ON THE OPPOSITE SIDE FROM ONCOMING TRAFFIC.



HOLOPHANE TEARDROP FIXTURE, MODEL NO. ESLW-MPL2-P359-40K-XX-TG3-SS OR APPROVED EQUAL.

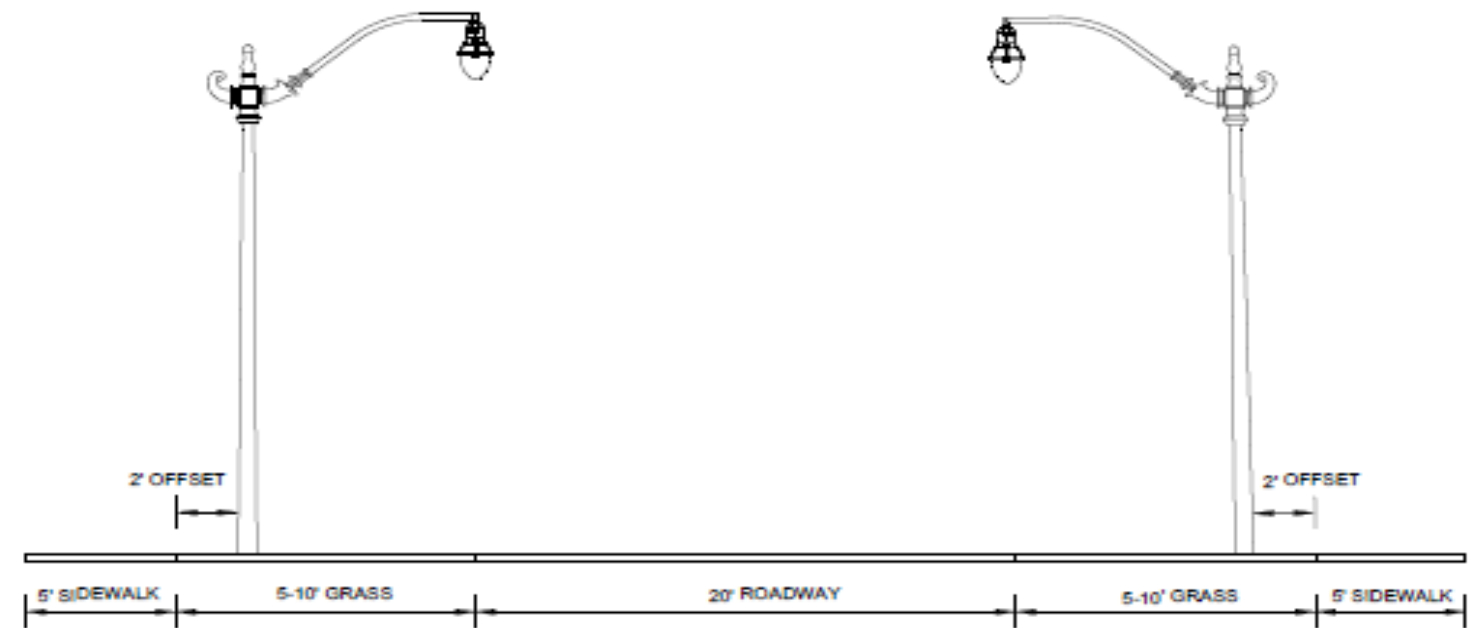
BLACK CONCRETE POLE

30'-0"

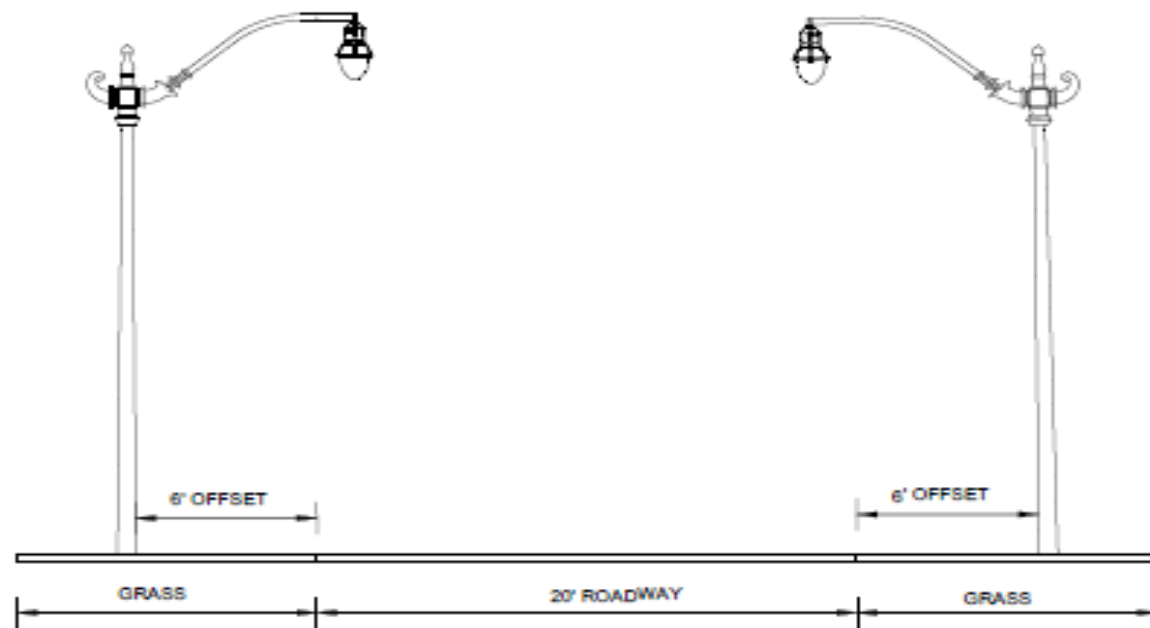
**NOTE:**

LIGHT POLE INSTALLATION SHALL MEET FLORIDA BUILDING CODE WIND LOADING REQUIREMENT WITH APPROPRIATE WIND GUST FACTOR FOR THE LOCATION OF INSTALLATION. THE CONTRACTOR SHALL INCLUDE THE SHOP DRAWING SUBMITTAL, A WIND LOADING CALCULATION SIGNED AND SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF FLORIDA SHOWING THAT THE LIGHT POLE INSTALLATION WILL MEET THE GIVEN WIND LOADING REQUIREMENT.

**ROADWAY LIGHTING FIXTURE AND POLE DETAIL**  
NOT TO SCALE

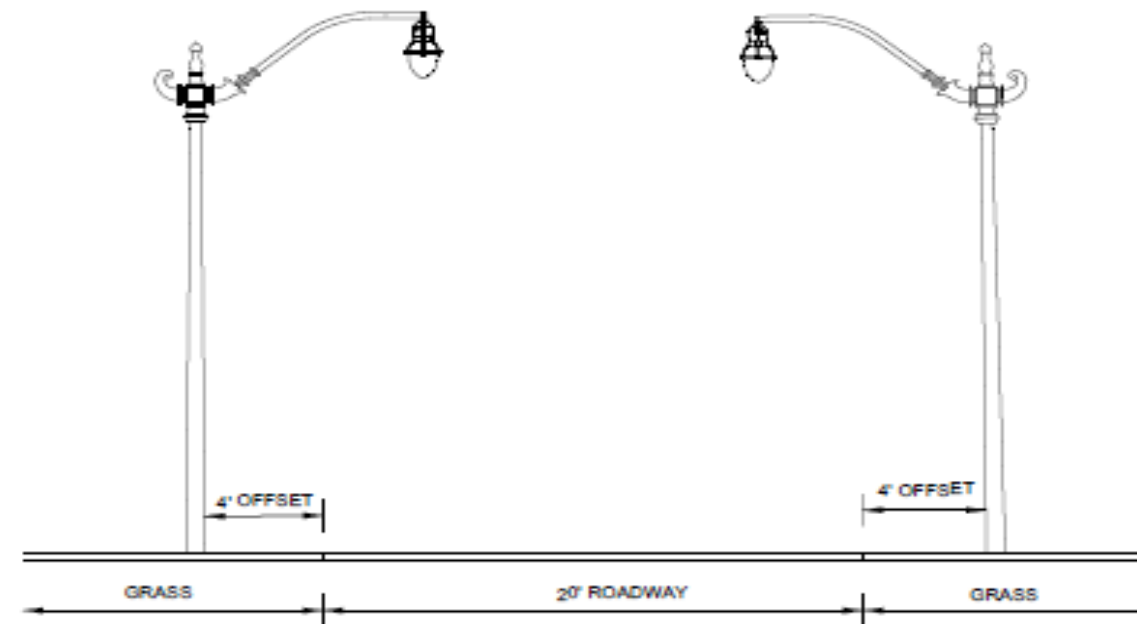


**TYPICAL ROADWAY SECTION (GRASS AND SIDEWALK ON BOTH SIDES)**  
NOT TO SCALE



**TYPICAL ROADWAY SECTION (NO SIDEWALK ON BOTH SIDES)**

NOT TO SCALE  
(THIS DETAIL IS APPLICABLE TO ALL OTHER STREETS WITHOUT SIDEWALK EXCEPT NW 24th AVENUE)



**TYPICAL ROADWAY SECTION (NO SIDEWALK ON BOTH SIDES)**

NOT TO SCALE  
(THIS DETAIL IS APPLICABLE TO NW 24th AVENUE)



