

AGENDA

Lake Park Town Commission
Town of Lake Park, Florida
Street Lighting Workshop
Wednesday, June 19, 2019, 6:00 P.M.
Commission Chamber, Town Hall
535 Park Avenue, Lake Park, Florida 33403

Michael O'Rourke Mayor **Kimberly Glas-Castro** Vice-Mayor Erin T. Flaherty **Commissioner** John Linden Commissioner Roger Michaud **Commissioner** John O. D'Agostino **Town Manager** Thomas J. Baird, Esq. **Town Attorney** Vivian Mendez, MMC Town Clerk

PLEASE TAKE NOTICE AND BE ADVISED, that if any interested person desires to appeal any decision of the Town Commission, with respect to any matter considered at this meeting, such interested person will need a record of the proceedings, and for such purpose, may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. Persons with disabilities requiring accommodations in order to participate in the meeting should contact the Town Clerk's office by calling 881-3311 at least 48 hours in advance to request accommodations.

A. CALL TO ORDER/ROLL CALL

B. SPECIAL PRESENTATIONS/REPORTS

1. Placement of Street Light Poles throughout the Town.

Tab 1

PUBLIC COMMENT:

This time is provided for addressing items that <u>do not</u> appear on the Agenda. Please complete a comment card and provide it to the Town Clerk so speakers may be announced. Please remember comments are limited to a <u>TOTAL</u> of three minutes.

ADJOURNMENT:

Special Presentations / Reports

TAB 1



Town of Lake Park Town Commission

Agenda Request Form

Meeting Date: June 19, 2019 Agenda Item No. Tous

Agenda Title: Placement of Street Lights Throughout Town.									
[X] SPECIAL PRESENTATION/REPORTS [] CONSENT AGENDA [] BOARD APPOINTMENT [] OLD BUSINESS [] PUBLIC HEARING ORDINANCE ON READING [] NEW BUSINESS [] OTHER:									
Approved by Town Manager Suff Willow Sun Date: 5/23/2019 Richard Scheele / Public Works Director									
Richard Scherle / Plublic Works Director									
Originating Department: Public Works	Costs: N/A at this time Funding Source: n/a Acct. # n/a [X] Finance	Attachments: 1. Map of streetlights – PRE-LED retrofitting 2. Map of streetlights –POST-LED retrofitting, with currently proposed additional locations. 3. Proposed new lights (5 out of 9 new locations, received from FPL as of 5/23/19)							
Advertised: Date: Paper: [X] Not Required	All parties that have an interest in this agenda item must be notified of meeting date and time. The following box must be filled out to be on agenda.	Yes I have notified everyone Or Not applicable in this case Please initial one.							

Summary Explanation/Background:

The Town's current streetlight system is illustrated by the attached FPL maps. Within the last year, the Town engaged FPL with a streetlight retrofit program, which updated the older High Pressure Sodium (HPS) lamps with newer LED lamps. The new LED lamps provide improved color for better visibility, and are also far more energy efficient. The new lights also require less maintenance, and the quality and brightness of the lights do not degrade as quickly as HPS lights. The attached PRE-

LED map indicates the lighting configuration *before* retrofit. While the retrofit program was under development, we noticed a wide discrepancy in wattage ratings between various areas of Town. As part of the retrofit program, we sought to bring equity across Town with the new LED lamps. The POST-LED map shows the current locations and wattages of lights across Town. The new wattages are more consistent and equal across the Town.

Also included in the attached POST-LED map are **nine locations which have been identified for installation of new lights** (see the "light green" circles for proposed locations). These locations were chosen because they are street intersections that have been identified as currently not having a streetlight. The primary focus of these additional proposed locations was to make sure all street intersections have streetlights. It did not, however, consider additional lights between intersections, such as mid-block locations.

These proposed additional nine locations are currently being developed by FPL in coordination with the Town. Five of the locations have been released to the Town for the establishment of utility easements. Staff is currently awaiting the four additional locations, which may also require utility easements for use by FPL. The next step in this process is to have surveys completed at each location to establish the legal boundaries of the needed easements, so that FPL can move forward with the installations.

COSTS:

The costs to add streetlights are not consistent because each location has unique characteristics that affect the cost. For example, some locations already may have a currently existing pole, and the installation of a new streetlight fixture is simple and easy (and therefore less costly to install). These locations carry a cost of approximately an additional \$50/month for new lights. Other locations require the installation of new poles, which carries additional cost. The costs to install these new poles are also not consistent, because there are various factors that determine those costs. The proximity of new locations to currently existing power lines, requirements for underground boring (under roadways, for example), easement requirements, and other factors (such as distance from other streetlights) all present costs that are site specific.

THE FPL PROCESS:

When the Town selects a new location for a streetlight, which requires the installation of a new pole, various measurements are taken and then this information is sent to the FPL project development team. The FPL team conduct site surveys, and determines the installation costs and needs for the new poles (such as easement requirements, underground or overhead power delivery, distance from existing power, etc.). Once the plans are developed, proposals are sent to the Town for review. These proposals typically include a one-time installation cost (which as aforementioned, can widely vary depending on individual site characteristics). In addition to the one-time installation cost, we are presented with proposed monthly fees which cover the power needed to energize the lights, along with fees associated with repair and maintenance costs. If easements are required, the Town then must conduct surveys to establish the legal boundaries of the easements. As an example, attachment 3 to this agenda item shows five of the nine new proposed locations. The purpose of this attachment is to illustrate how the Town coordinates with FPL on new installations.

POLES - WOOD VERSUS CONCRETE:

When installing new poles, we are able to choose between wood and concrete poles. Due to concerns over longevity, and also security and stability during hurricanes and other high-wind events, we have been specifying concrete poles. However, concrete poles are slightly more

expensive to install. Staff recommends that concrete poles be installed because they last longer and are less likely to be impacted by hurricanes.

LIGHT FIXTURE/WATTAGE SELECTION:

Depending on the proposed locations of new lights, the selection of wattage would be made to be consistent with the surrounding lights. For example, lights along Old Dixie Hwy would be made to be consistent with the XSP2 139 watt fixture, which is a brighter light, whereas lights in a residential area would be made to be consistent with the ATBM 115 watt light, which is slightly less glaring/bright. The fixtures themselves would be cobra-head-type fixtures, and any new locations would appear similar to the existing LED fixtures.

NEW/PROPOSED LOCATIONS:

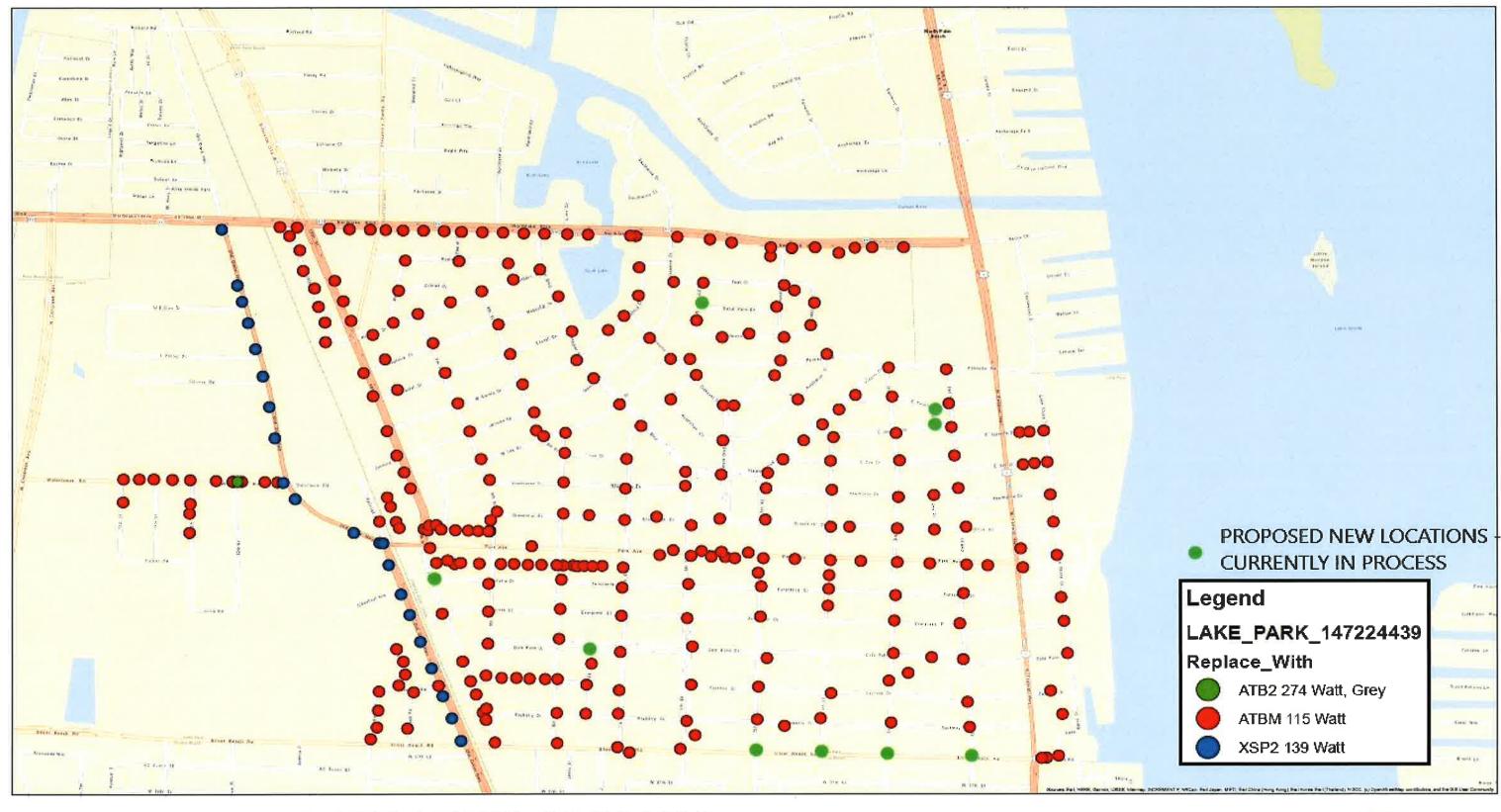
Beyond the nine locations currently proposed and under development (and in process for installation), this workshop is intended to identify additional possible locations for new streetlights. If new locations are chosen, we will provide FPL with all required measurements and then we will receive the proposal for each light and proceed with any required surveys and then installation. These lights are recommended to be maintained by FPL, because the Town has very limited inhouse capacity to repair lights (both from routine outages and storm-related outages). Repairs typically require bucket trucks and certified electricians to complete.

TOWN OWNED LIGHTS:

Not included in the attached maps are the locations of town-owned streetlights. These locations are very limited, and include the downtown area of Park Avenue (which include Town-owned decorative globe lights), and a string of lights on the west side of US1 from Palmetto Drive to Silverbeach Road. These lights are owned and maintained by the Town. It is recommended that future lights be owned and maintained by FPL, so that repairs and maintenance can be conducted more efficiently which is afforded by the consistency with the majority of the remainder of the Town's lights.



ATTACHMENT 1 - PRE-LED RETROFIT

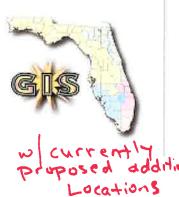


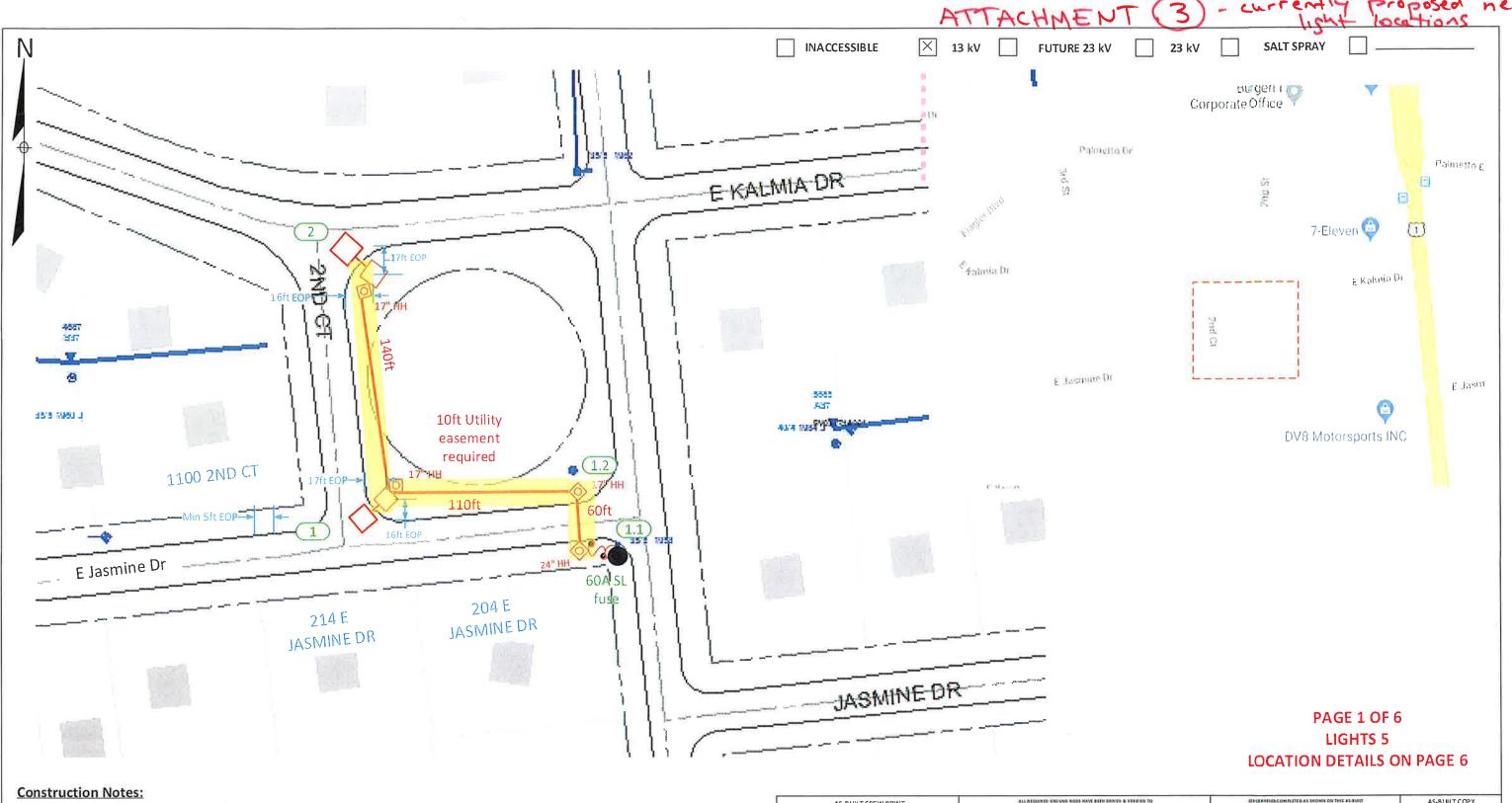


LAKE_PARK_147224439 **Street Lights**

7,200 Feet 1,800 5,400 900

Copyright 2019 FPL All rights reserved.No expressed or implied warranties. The materials contained herein may contain inaccuracies. The user is warned to utilize at his/her own risk and the user assumes risk of any and all loss. All boundaries are approximate.





Loc. 1 & 2: FPL contractor to install 35ft Standard Concrete Pole and AEL, ATBM 115 Watts, 4000K Fixture with 6ft Bracket. Connect to existing secondary service using directional bore from location #1.1 to cross the street and rapid trench for green areas. Install 24" HH at location 1.1 and 17" HH at locations #1, 2 & 1.2. Verify fixture is working correctly after installation. Check 120V to terminal blocks. Poles to be installed behind the sidewalk within an easement. 'CHECK VOLTAGE – CONVERT 480V to 120V or 240V'

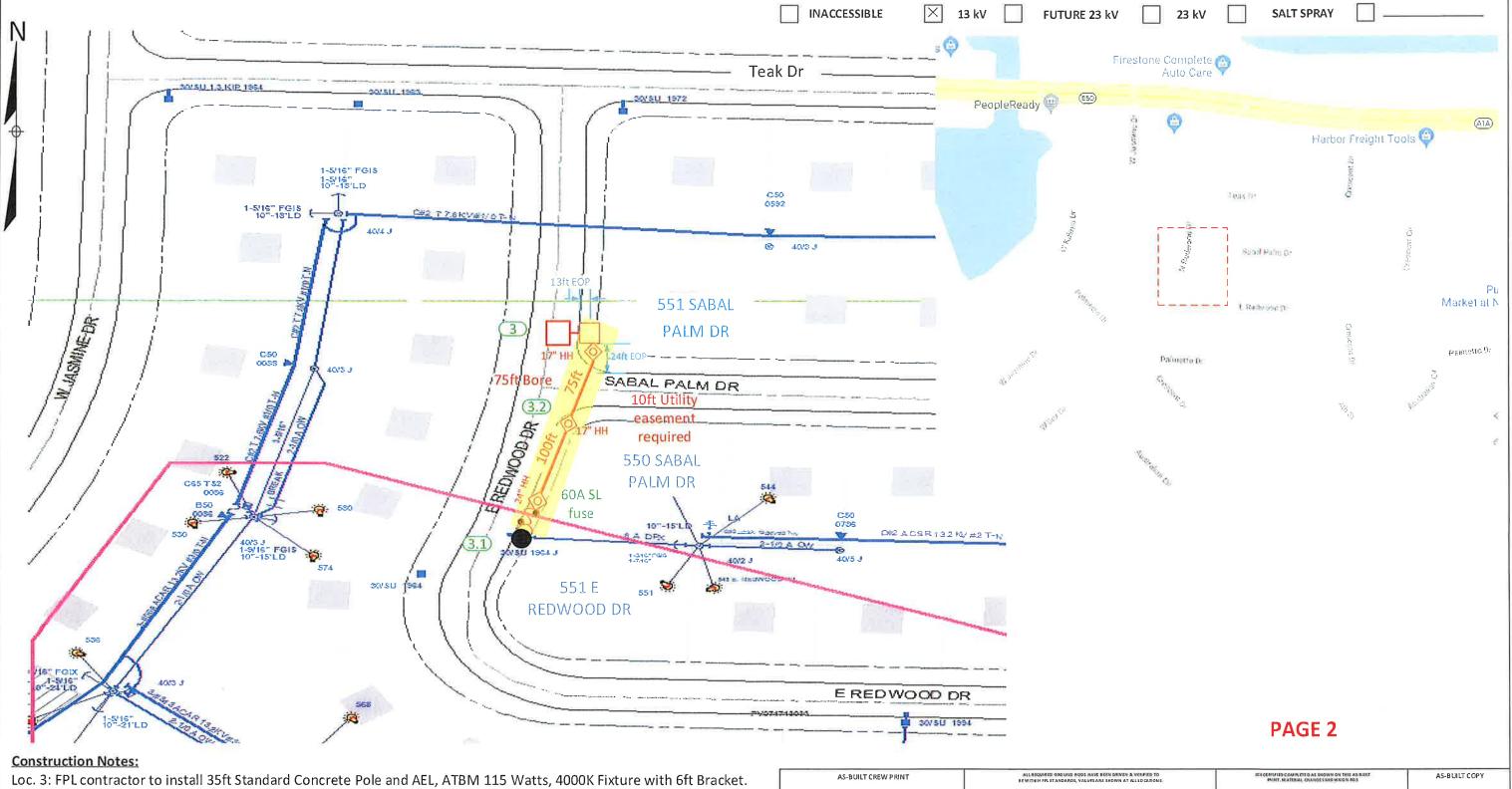
On 480V circuits, change the relay prior to installing the lights. Verify the source and amount of lights on that relay. Contact the FPL PL to assist with this process.

FPL crew to run #6 DPX cable to all locations shown in the drawing.

-All facilities to be installed within utility easement. Customer responsible for any restoration required.

Sales Rep: Franc Arbide

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Loc. 3: FPL contractor to install 35ft Standard Concrete Pole and AEL, ATBM 115 Watts, 4000K Fixture with 6ft Bracket. Connect to existing secondary service from location #3.1 using directional bore to cross the street and install 24" HH for location #3.1 and 17"HH for locations #3 & 3.2. Verify fixture is working correctly after installation. Check 120V to terminal blocks. Poles to be installed behind the sidewalk within an easement.

'CHECK VOLTAGE - CONVERT 480V to 120V or 240V'

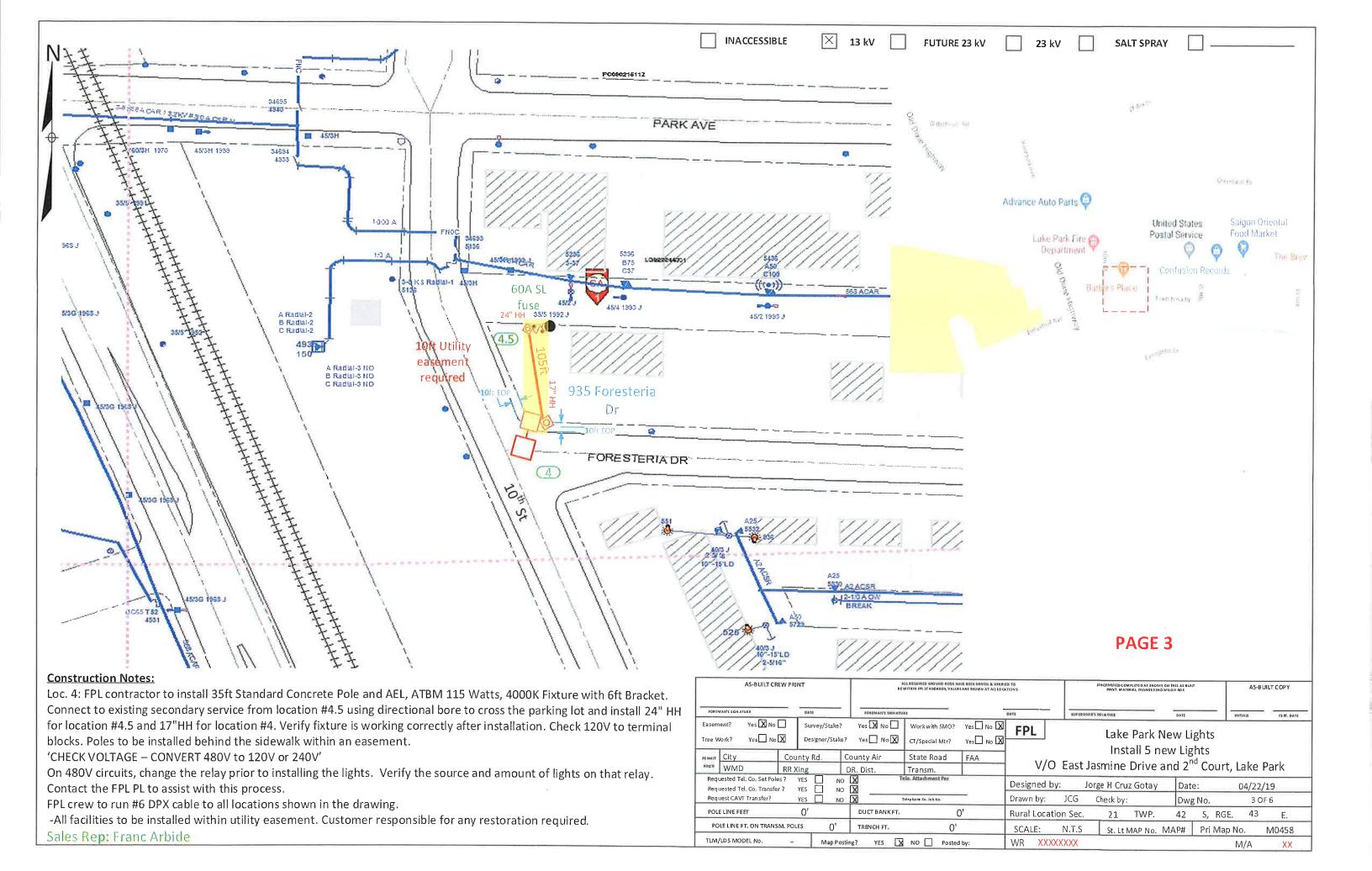
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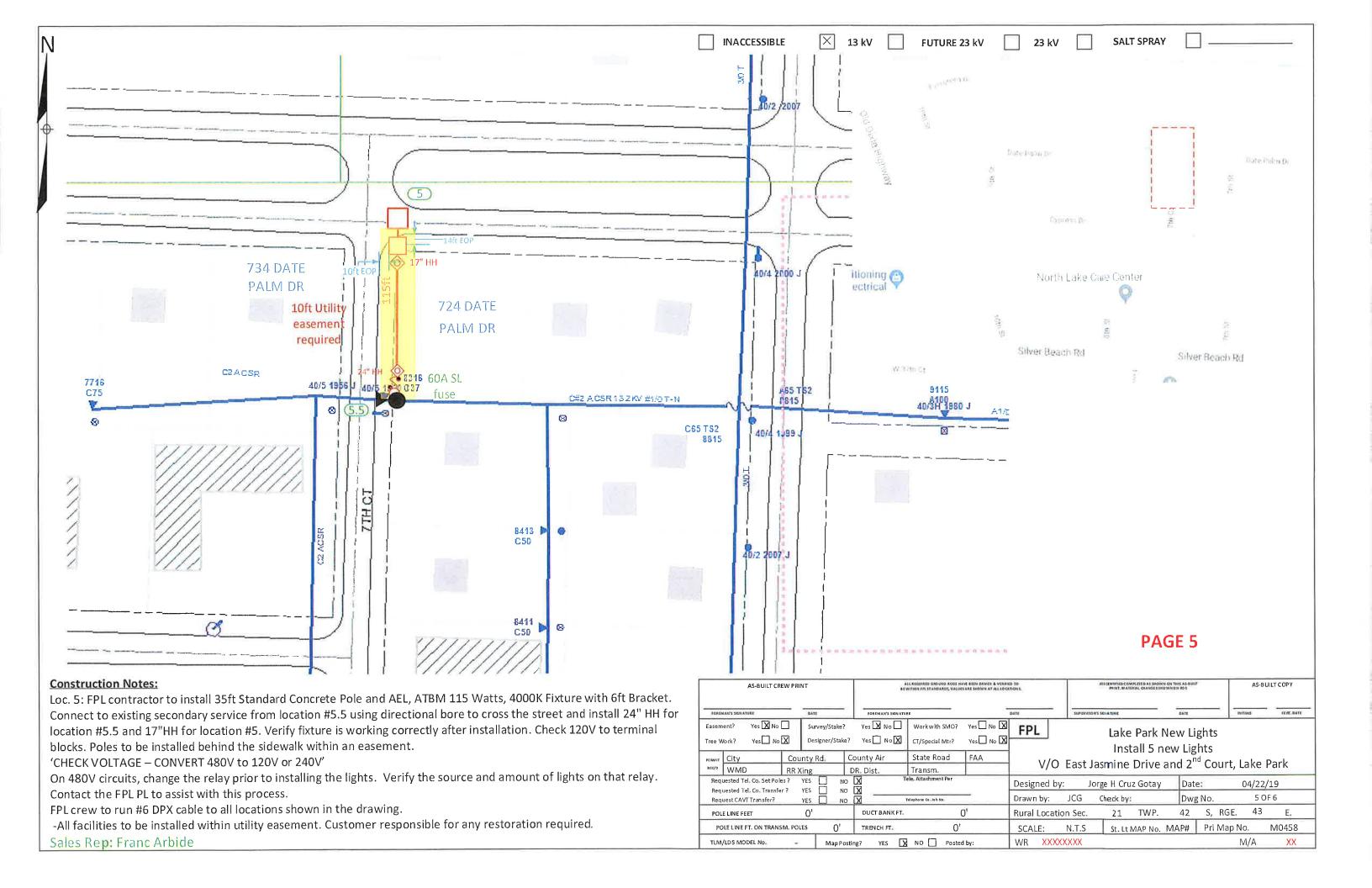
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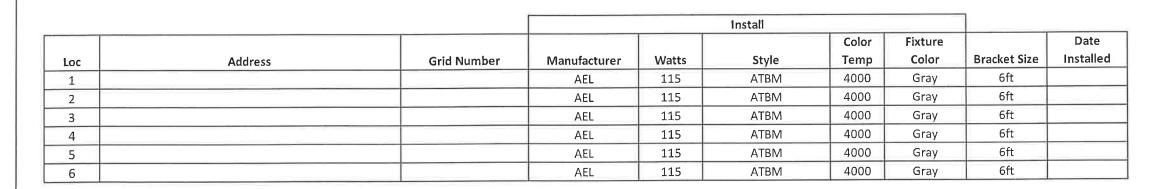
Sales Rep: Franc Arbide

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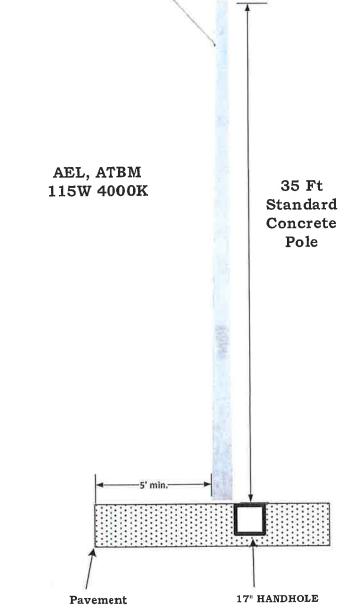






1. Locations of needed additional street lights:

- Location 1 East Jasmine Drive and 2nd Court
- Location 2 East Kalmia Drive and 2nd Court
- Location 3 Sabal Palm Drive and North Redwood Drive
- Location 4 Foresteria Drive and 10th Street
- Location 5 4th Street and Date Palm Drive (Light can't be installed on proposed location
- Location 6 Date Palm Drive and 7th Court



SALT SPRAY

Bracket Size 6ft

PAGE 6

X 13 kV FUTURE 23 kV

INACCESSIBLE

23 kV

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Additional locations awaiting FPL proposal (part of Attachment 3) SWALE 5' SIDEWALK POLE AT THIS POLE TOUCHING SIDEWALK (NO LEGHT) DEND END 3RD ST SWALE SWALE 15 SIDEWALK NO POLE OR LIGHT 19., 1 AT THIS LOCATION SWALE SWALE DEAD END TZ DULS

Work Request No EASEMEN	
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Parcel I.D Name:	
(Maintained by County Appraiser) Co. Name: Address:	
Form 3722 (Stocked) Rev. 6/11	
pg	of
The undersigned, in consideration of the payment of \$1.00 and valuable consideration, the adequacy and receipt of acknowledged, grant and give to Florida Power & Lighlicensees, agents, successors, and assigns ("FPL"), a easement forever for the construction, operation and overhead and underground electric utility facilities (including guys, cables, conduits and appurtenant equipment) to be insto time; with the right to reconstruct, improve, add to, enlay voltage, as well as, the size of and remove such facilities or a an easement described as follows:	which is hereby t Company, its a non-exclusive maintenance of ng wires, poles, stalled from time rge, change the
See Exhibit "A" ("Easement Area")	
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Together with the right to permit FPL to attach wires to any tand to operate the same for FPL's communications purposes the right to clear the land and keep it cleared of all trees, und and cut and keep trimmed and cut all dead, weak, leaning might interfere with or fall upon the lines or systems of cogrants, to the fullest extent the undersigned has the power tandard heretofore described, over, along, under and across the Area.	acilities hereunder and lay cable and conduit within the easement; the right of ingress and egress to the Easement Area at all times; ergrowth and other obstructions within the Easement Area; to trim or dangerous trees or limbs outside of the easement area which immunications or power transmission or distribution; and further original grant, if at all, the rights hereinabove granted on the Easement e roads, streets or highways adjoining or through said Easement
IN WITNESS WHEREOF, the undersigned has signed and s	ealed this instrument on, 20
Signed, sealed and delivered in the presence of:	Entity name
(Witness' Signature)	Ву:
Print Name:(Witness)	5).
(Witness)	Print Name:
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Print Name: (Witness)	99
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STATE OF AND COUNTY OF	The foregoing instrument was acknowledged, 20, by, the
before me this day of	_, 20, by, the
Of	a, who is as identification, and who did (did not) take an oath.
personally known to me or has produced(Type of Identifical	
(1)po of identified	,
My Commission Expires:	Notary Public, Signature

Print Name

PAYMENT COUPON

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Your payment may be eligible to be paid online. Visit www.fpl.com/construction to learn more. You can also mail a check payable to FPL in USD to the FPL address listed below right. Please mail the top portion of the coupon with your check.

TOWN OF LAKE PARK-FPL DIST 535 PARK AVE. LAKE PARK FL 33403

Cust. No.:6800011419	Bill No.:1800187495						
Payment Due Upon	Amount Due						
Receipt	This Bill						
	\$ 2,619.94						
Reference# D00008815992							

FPL General Mail Facility Miami FL 33188-0001

Please retain this portion for your records.

Florida Power & Light Company Federal Tax Id.#: 59-0247775

Customer Number:

6800011419

Customer Name and Address

Reference Number:

D00008815992

TOWN OF LAKE PARK-FPL DIST

Bill Number:

1800187495

535 PARK AVE. LAKE PARK FL 33403

Bill Date:

05/09/2019

CURRENT CHARGES AND CREDITS Customer No: 6800011419 Bill No: 1800187495

Description	Amount
FPLES LGHT/0 E JASMINE DR Reference# D00008815992	2,619.94
For Inquiries Contact: Cruz Gotay, Jorge (305) 552-3325	Total Amount Due \$2,619.94 Payment Due Upon Receipt