

ADDENDUM No. 5

Issued: March 2, 2011

TOWN OF PALM BEACH SHORES UTILITY UNDERGROUNDING INITIATIVE

Project Number 2018-50

TOWN OF PALM BEACH SHORES
247 EDWARDS LANE, PALM BEACH SHORES, FLORIDA
Contact Person: Danny Brannon, Project Manager Phone: (561) 307-9454

ATTACHED PLEASE FIND THE FOLLOWING:

1. REVISION TO BID PACKAGE DRAWINGS F0, F1, F2, F3, F4, F5, F6, F7, F8, AND F9 AS DATED SEPT. 1, 2018 WITH NEW DRAWING DATED SEPT. 11, 2018.
2. LIST OF ATTENDEE AT PRE-BID MEETING ON SEPT. 11, 2018.
3. QUESTIONS AND ANSWERS FROM THE PRE-BID MEETING ON SEPT. 11, 2018?

NOTES:

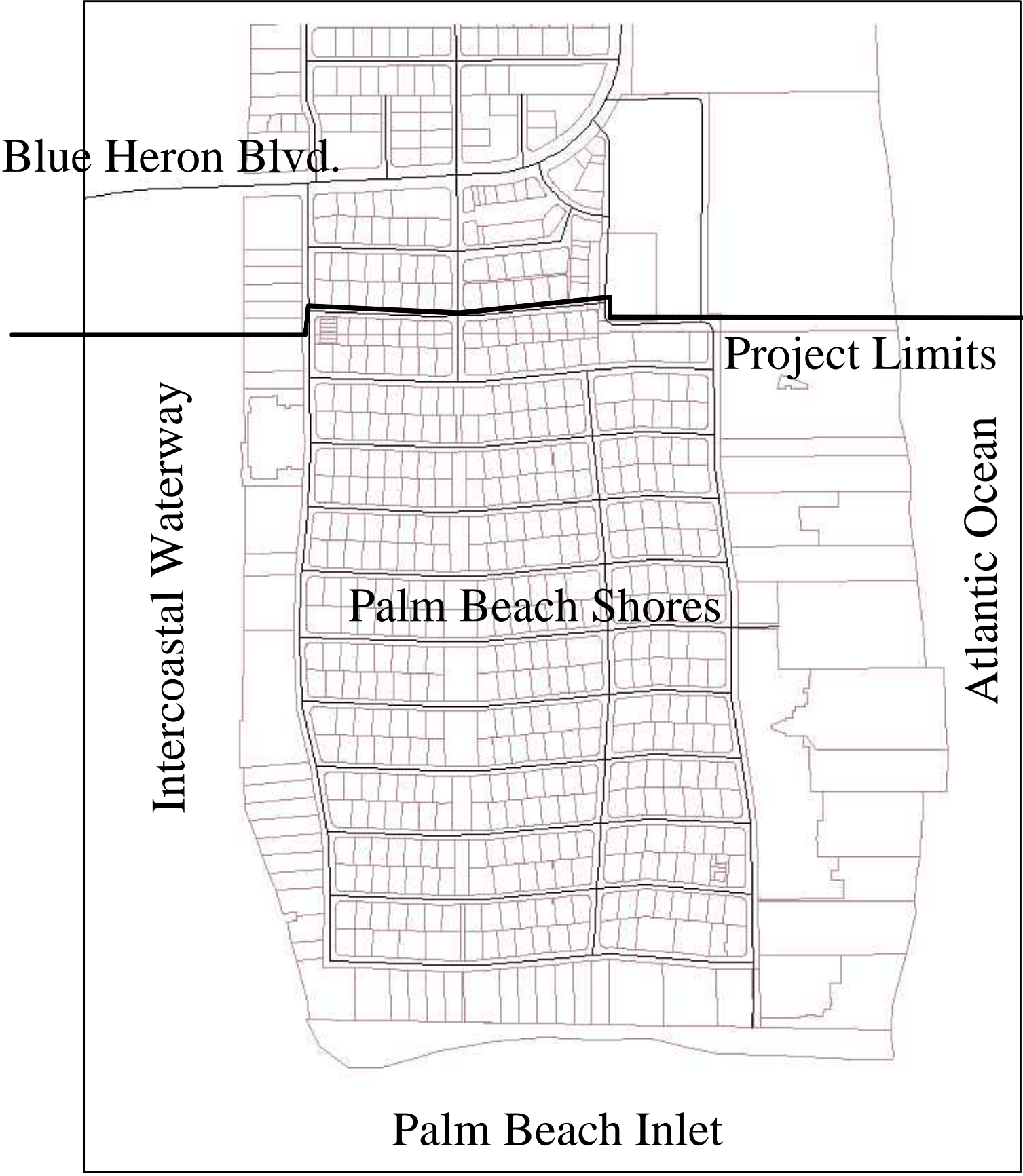
1. FPL TRANSFORMER PADS ARE TYPICALL 4 FEET WIDE AND 4.5 FEET FRONT TO BACK. A SIX FOOT SEPARATION IS REQUIRED FROM ANY OBJECT OVER 4" TALL WITHIN THE RIGHT-OF-WAY TO THE TRAVEL LANE. THE DISTANCE FROM THE TRAVEL LANE TO THE EDGE OF THE RIGHT-OF-WAT IS TYPICALLY 10 FEET ON ALL STREETS EXCLUDING LAKE DR, ATLANTIC AVE AND OCEAN AVE. THEREFORE THE TRANSFORMERS MUST BE FACING PARALLEL TO THE EDGE OF THE RIGHT-OF-WAY AND HAVE THE EDGE OF THE PAD AT THE RIGHT-OF-WAY LINE. THE TOWN'S SURVEYOR WILL STAKE THE CORNERS OF THE TRANSFORMER PAD AT THE EDGE OF THE RIGHT-OF-WAY.

2. WHERE TRANSFORMERS ARE DEPICTED WITH ONE CORNER OF THE PAD AT THE PROPERTY CORNER, OR THE TRANSFORMER IS DEPICTED AS BEING CENTERED ON THE PROPERTY CORNER, NO DIMENSIONS ARE REQUIRED. OTHERWISE, DIMENSIONS ARE DEPICTED IN THE DRAWINGS. IF THE LOCATION IS NOT CLEAR, CONTACT THE ENGINEER PRIOR TO PLACING THE PAD.

3. TRANSFORMERS SHALL BE INSTALLED NO CLOSER THAN 3 FEET FROM A DRIVE WAY OR PARKING SPACE. TRANSFORMERS SHALL FACE THE DRIVEWAYS WHERE POSSIBLE TO ENSURE THE 8 FEET OF CLEAR SPACE REQUIRED FOR FPL OPERATIONS AND MAINTENANCE.

4. CONSTRUCTION STAKING FOR THE CABLE ROUTES WILL CONSIST OF STAKING ALONG THE RIGHT OF WAY LINE AT PROPERTY CORNERS AND POINTS OF DEFLECTION. WHERE THE RIGHT-OF-WAY CURVES, POINTS WILL BE STAKED AT SHORTER INTERVALS AS NEEDED.

Site Map



Town of Palm Beach Shores
Overhead Utility Undergrounding Project



FPL CONDUIT & EQUIPMENT
INSTALLATION
SUPPLEMENTAL
PLANS AND SPECIFICATIONS

SEPTEMBER 11, 2018

Utility Contacts:

Florida Power & Light - John Lehr - Proj. Mgr. - 561-346-2743 - John.Lehr@fpl.com
Comcast - Miya Fisher - Construction Coordinator - 561-436-9034 - Miya_Fisher@comcast.com
AT&T - Eddie Herron - Mgr OSP Plant & Engr Design - 561-540-9262 - PH3103@att.com

Symbol Legend

1-2SEC	1-2" SECONDARY CONDUIT
2-2SEC	2-2" SECONDARY CONDUITS
1PN1C	1-2" PRIMARY CONDUIT
2PN2C	2-2" PRIMARY CONDUITS
3PN3C	3-2" PRIMARY CONDUITS
4PN4C	4-2" PRIMARY CONDUITS
5PN5C	5-2" PRIMARY CONDUITS
6PN6C	6-2" PRIMARY CONDUITS
1FN6C	1-6" FEEDER CONDUIT
-///-	NON-FPL SERVICE CONDUITS

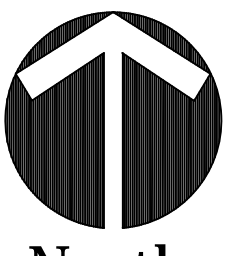
SEE FPL DRAWINGS FOR DETAILED ROUTES FOR SECONDARY/SERVICE CONDUITS.

- ☒ PROP. 1Ø TRANSFORMER
- ☒ EXIST. 1Ø TRANSFORMER
- ☒ EXIST. 2Ø TRANSFORMER
- ☒ PROP. 2Ø TRANSFORMER
- ☒ PROP. 3Ø TRANSFORMER
- ☒ EXIST. 3Ø TRANSFORMER
- ☒ VISTA SWITCH CABINET
- ☒ EXIST. PM9 SWITCH CAB.
- ☒ CAPACITOR BANK CAB.
- ☒ PROP. FEEDER SPLICE BOX
- ☒ PROP. PRIMARY SPLICE BOX
- ☒ EXIST. PRIMARY SPLICE BOX
- ☒ PROP. SEC HANDHOLE
- ☒ EXIST. SEC HANDHOLE

Sheet Legend

FO	Cover Sheet
F1	Construction Plan
F2	Construction Plan
F3	Construction Plan
F4	Construction Plan
F5	Construction Plan
F6	Construction Plan
F7	Construction Plan
F8	Construction Plan
F9	Specifications

REVISIONS	BY
ADDED CONDUITS REV 9-11-2018	DPB
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Brannon & Gillespie, LLC Consulting Engineers 691 U.S. Highway 1, Suite 301 North Palm Beach, Florida 33408 (561) 847-4435 CA# 6784	
DRAWINGS FOR: OVERHEAD UTILITY UNDERGROUNDING PROJECT PALM BEACH SHORES 247 EDWARDS LANE PALM BEACH SHORES, FLORIDA	
CAUTION!! NOT FOR CONSTRUCTION THESE DRAWINGS ARE PRELIMINARY AND ARE PROVIDED FOR MONITORING PROGRESS AND FOR OBTAINING BUDGETARY CONSTRUCTION ESTIMATES. THEY SHALL NOT BE USED FOR CONSTRUCTION.	
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Scale: AS NOTED	
Drawn: DPB	
Checked: DPB	
Job # 15-111	
Sheet F0	
Of 9	Sheets



Scale: 1" = 40'

Undergrounding Plan

MATCH LINE - SEE SHEET 3 OF 8

FPL CONDUIT AND EQUIPMENT LOCATIONS

MATCH LINE - SEE SHEET 2 OF 8

REVISIONS	BY
ADDED CONDUITS	DPB
REV 9-11-2018	

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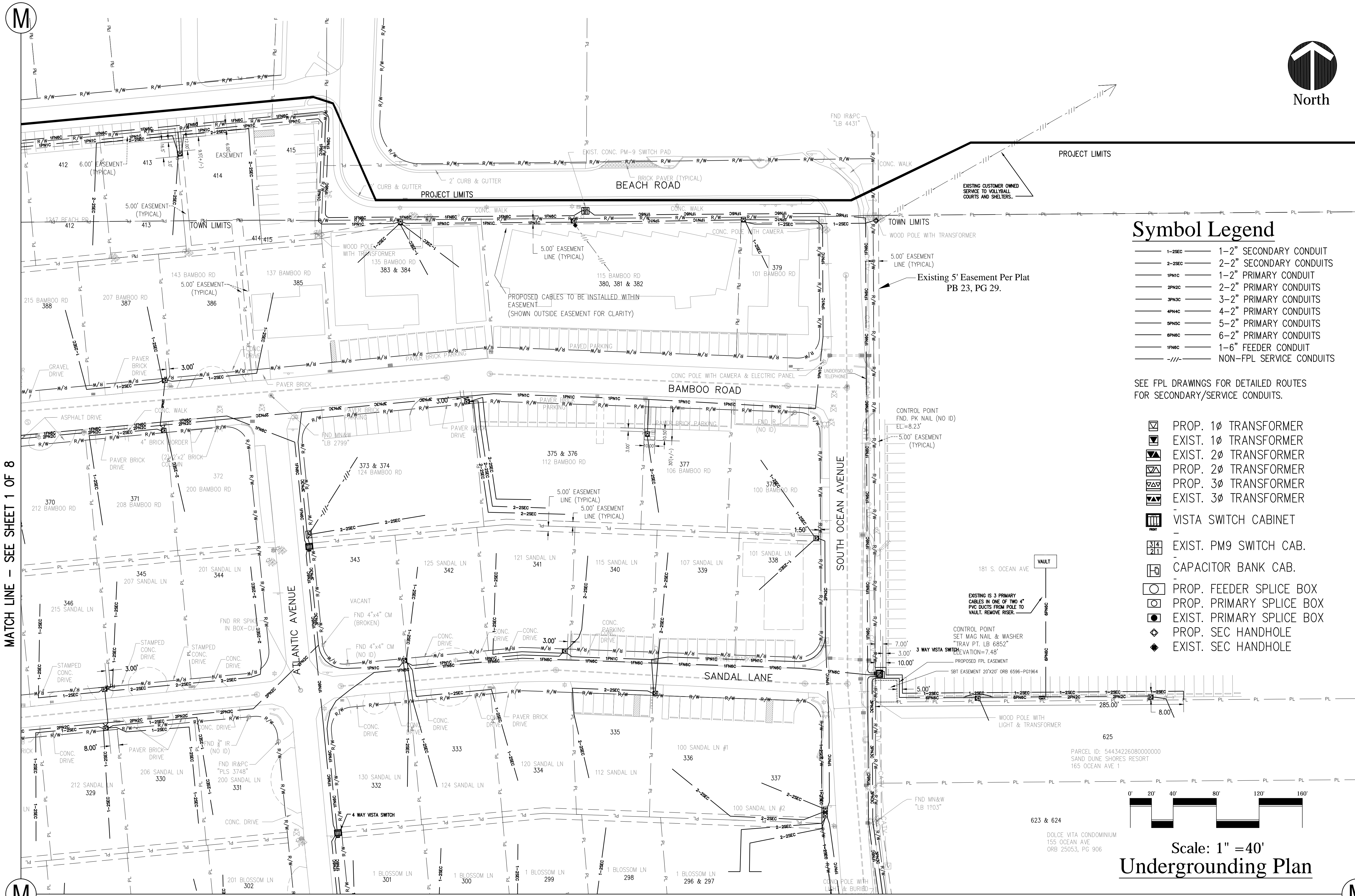
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CA# 6784
(561) 847-4435

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Of 9 Sheets

DRAWINGS FOR:
OVERHEAD UTILITY UNDERGROUNDING PROJECT
PALM BEACH SHORES
247 EDWARDS LANE PALM BEACH SHORES, FLORIDA

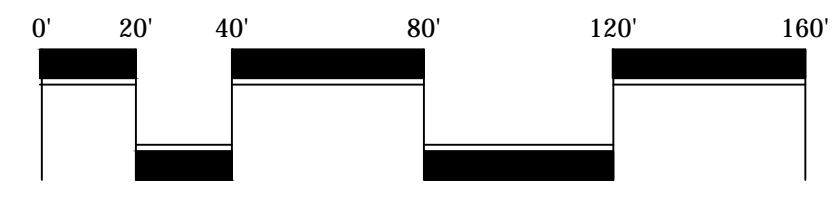


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- NON-FPL SERVICE CONDUITS

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- EXIST. 1Ø TRANSFORMER
- EXIST. 2Ø TRANSFORMER
- PRO. 2Ø TRANSFORMER
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- EXIST. PRIMARY SPLICE BOX
- PRO. SEC HANDHOLE
- EXIST. SEC HANDHOLE



Scale: 1" = 40'
Undergrounding Plan

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CA# 6784

DRAWINGS FOR:

OVERHEAD UTILITY UNDERGROUNDING PROJECT

PALM BEACH SHORES

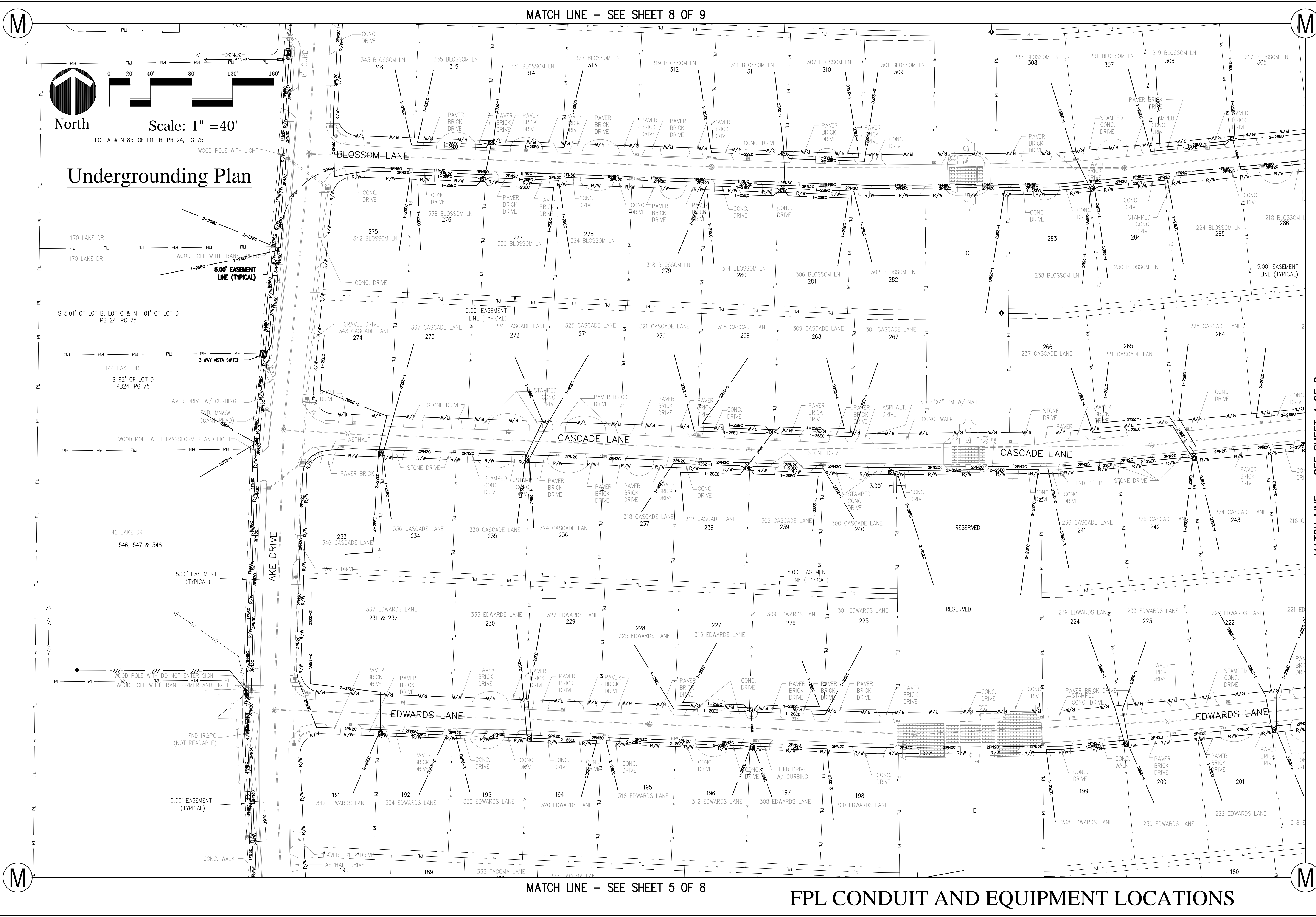
247 EDWARDS LANE PALM BEACH SHORES, FLORIDA

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F2



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DRAWINGS FOR:

OVERHEAD UTILITY UNDERGROUNDING PROJECT

PALM BEACH SHORES

247 EDWARDS LANE PALM BEACH SHORES, FLORIDA

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Sheet

F3

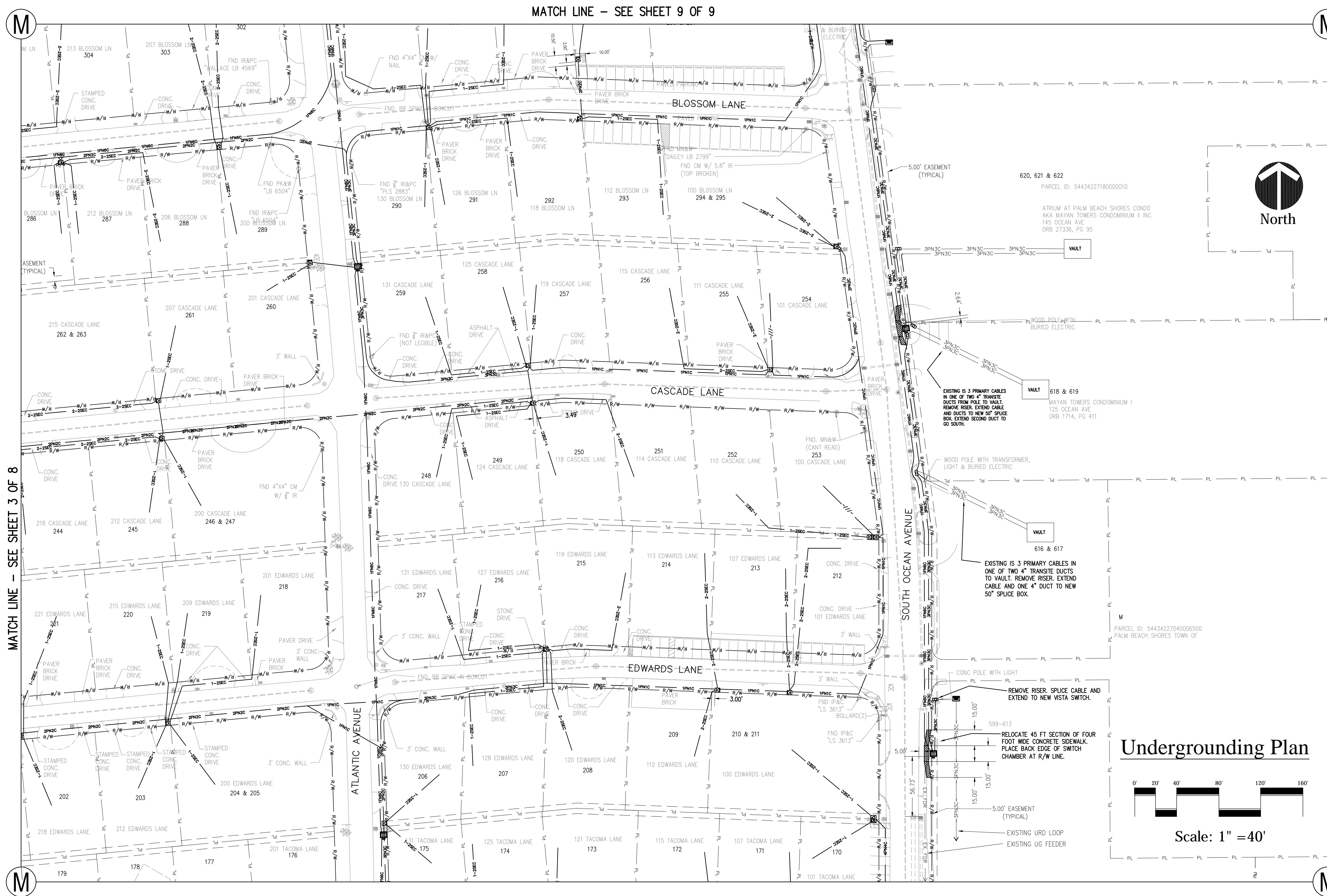
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MATCH LINE - SEE SHEET 4 OF 8


MATCH LINE - SEE SHEET 8 OF 9

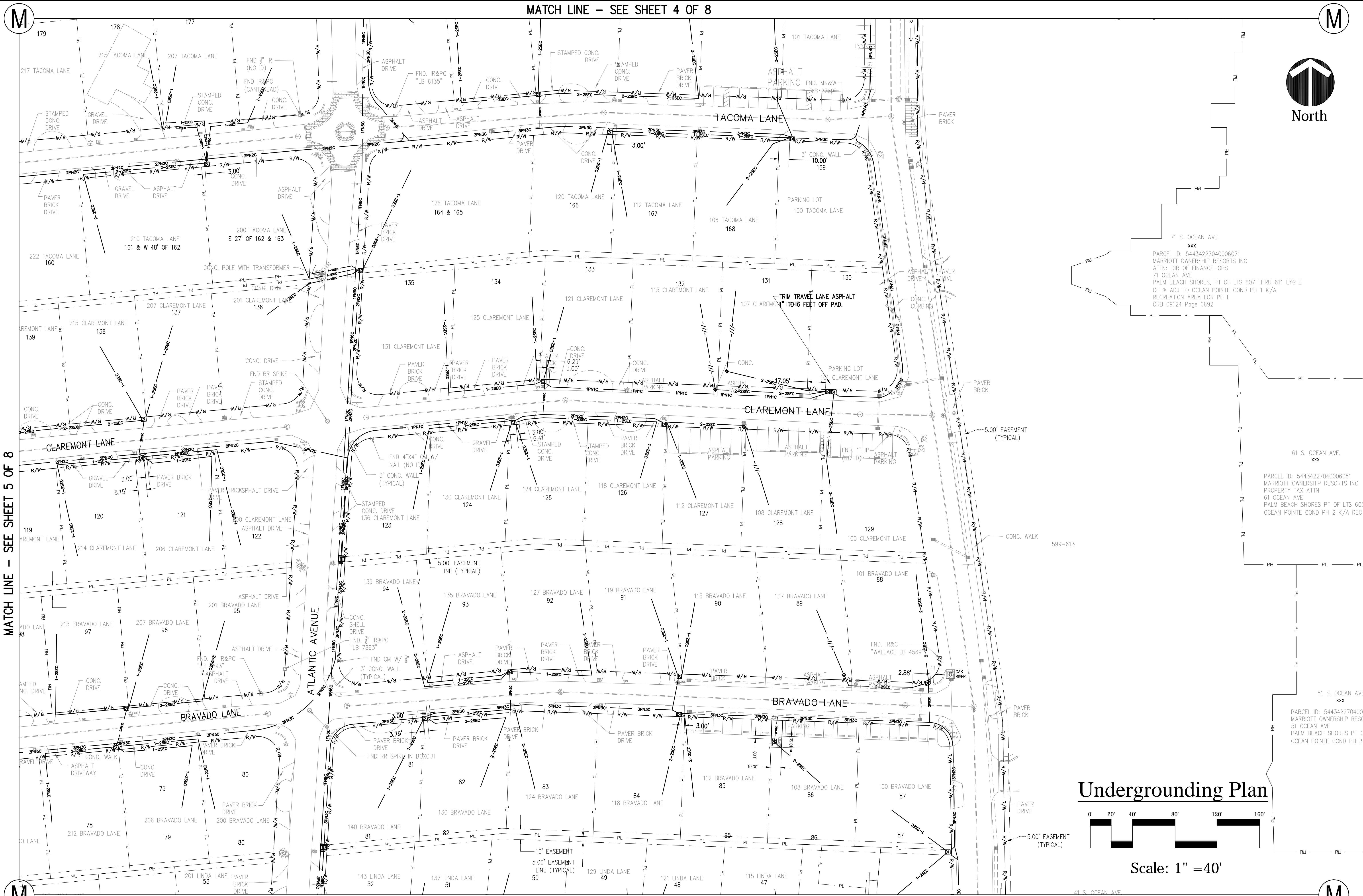
MATCH LINE - SEE SHEET 5 OF 8

FPL CONDUIT AND EQUIPMENT LOCATIONS

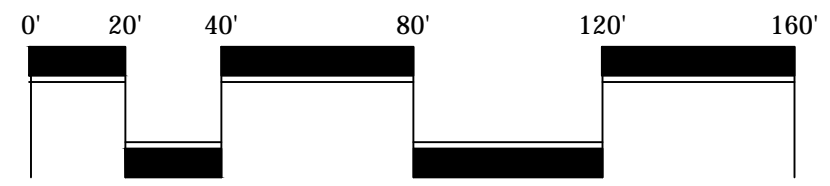
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Undergrounding Plan



Scale: 1" = 40'

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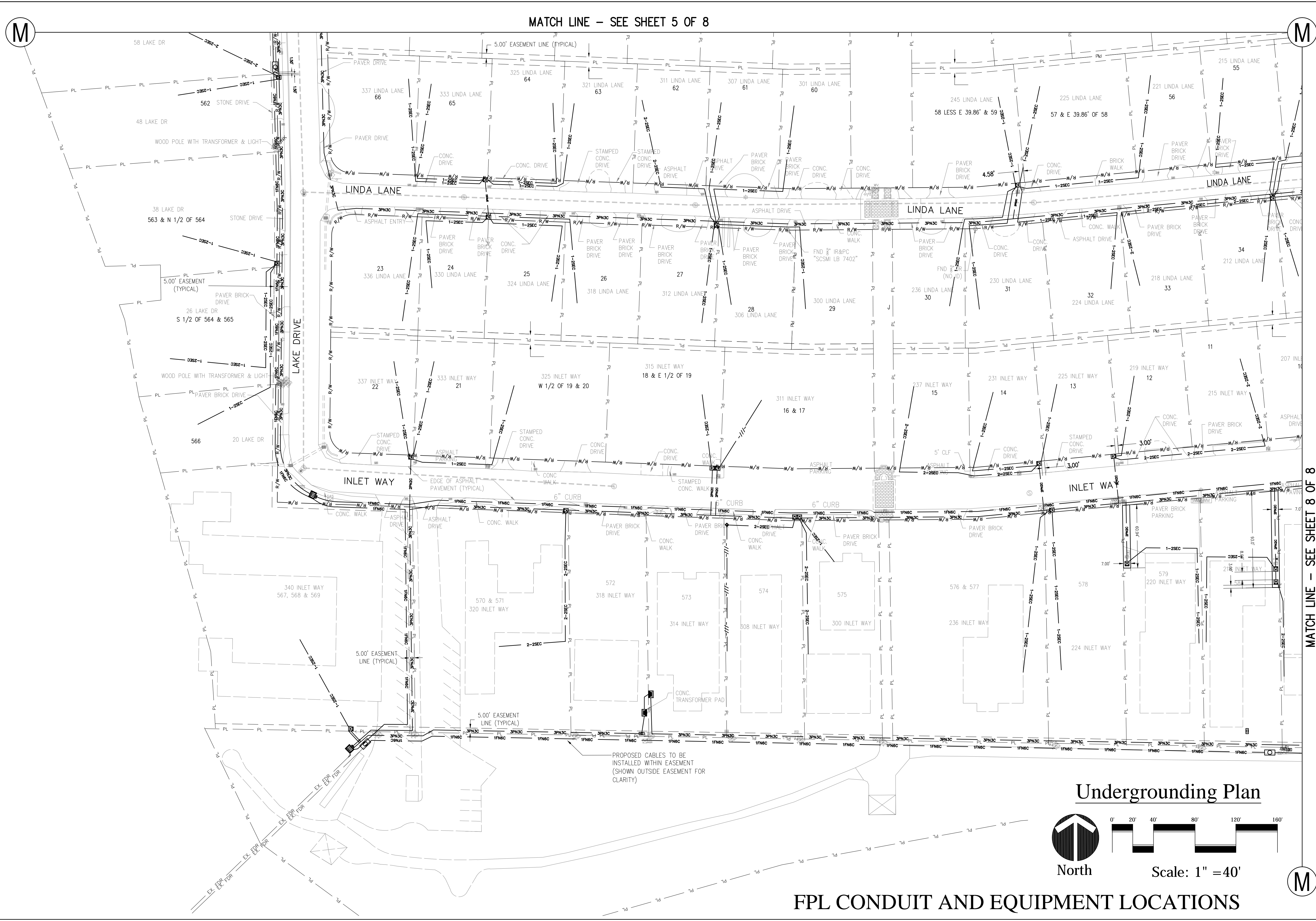
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North Palm Beach, Florida 33408
(561) 847-4495 CA# 6784

DRAWINGS FOR:
OVERHEAD UTILITY UNDERGROUNDING PROJECT
PALM BEACH SHORES
247 EDWARDS LANE PALM BEACH SHORES, FLORIDA

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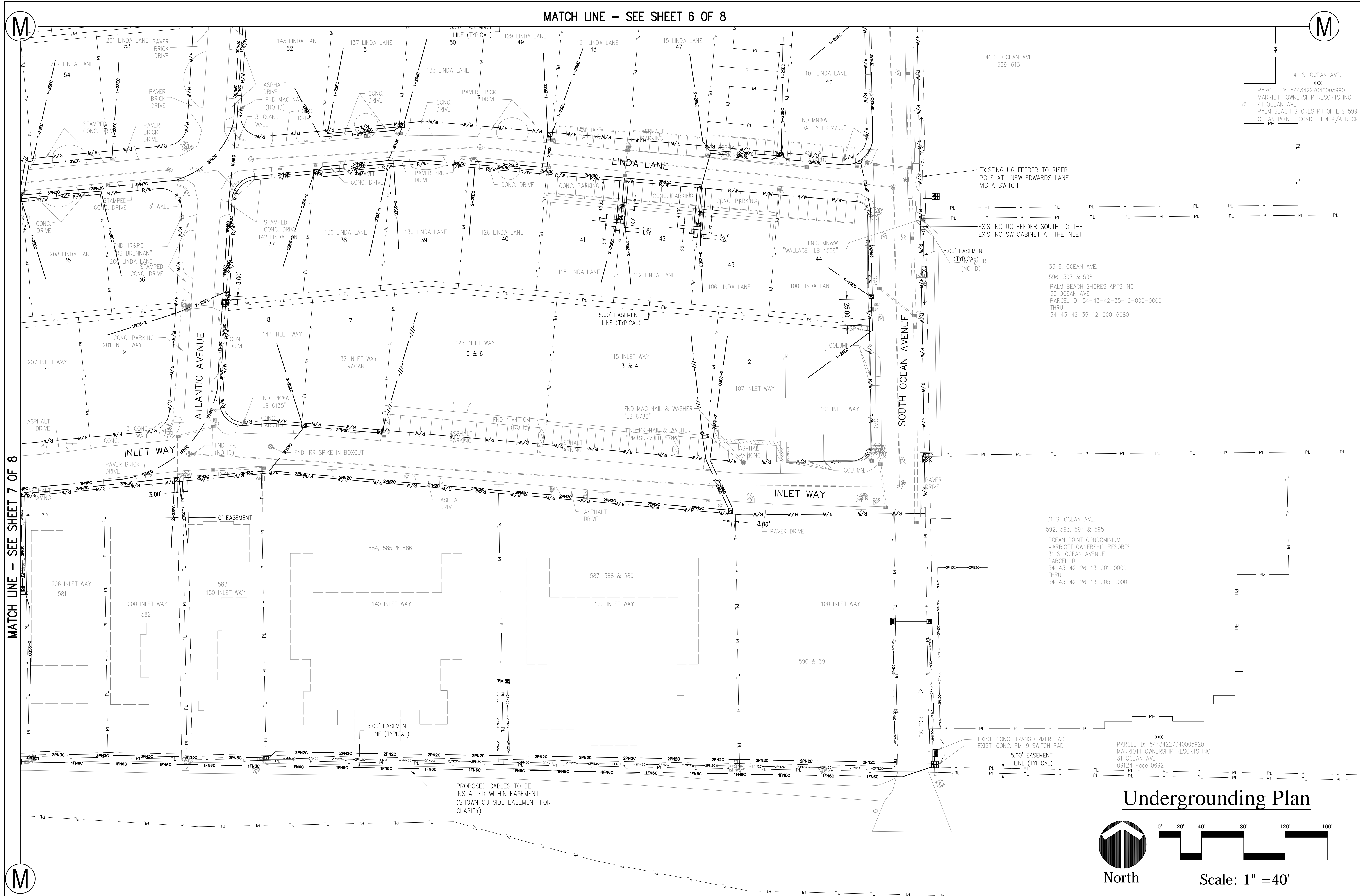
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DRAWINGS FOR:
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247 EDWARDS LANE PALM BEACH SHORES, FLORIDA

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Of 9	Sheets



MATCH LINE - SEE SHEET 7 OF 8

MATCH LINE - SEE SHEET 6 OF 8

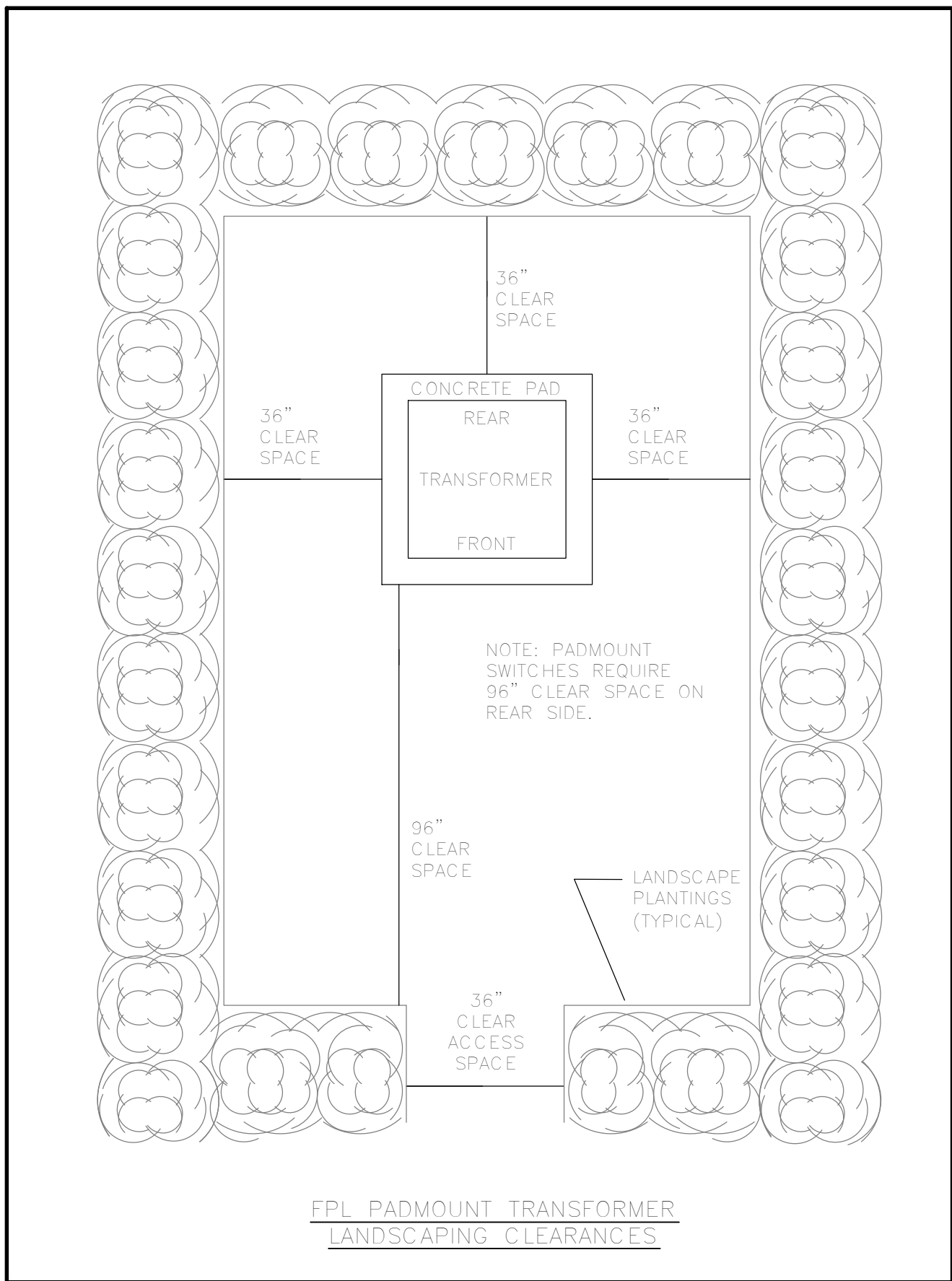
Undergrounding Plan

North

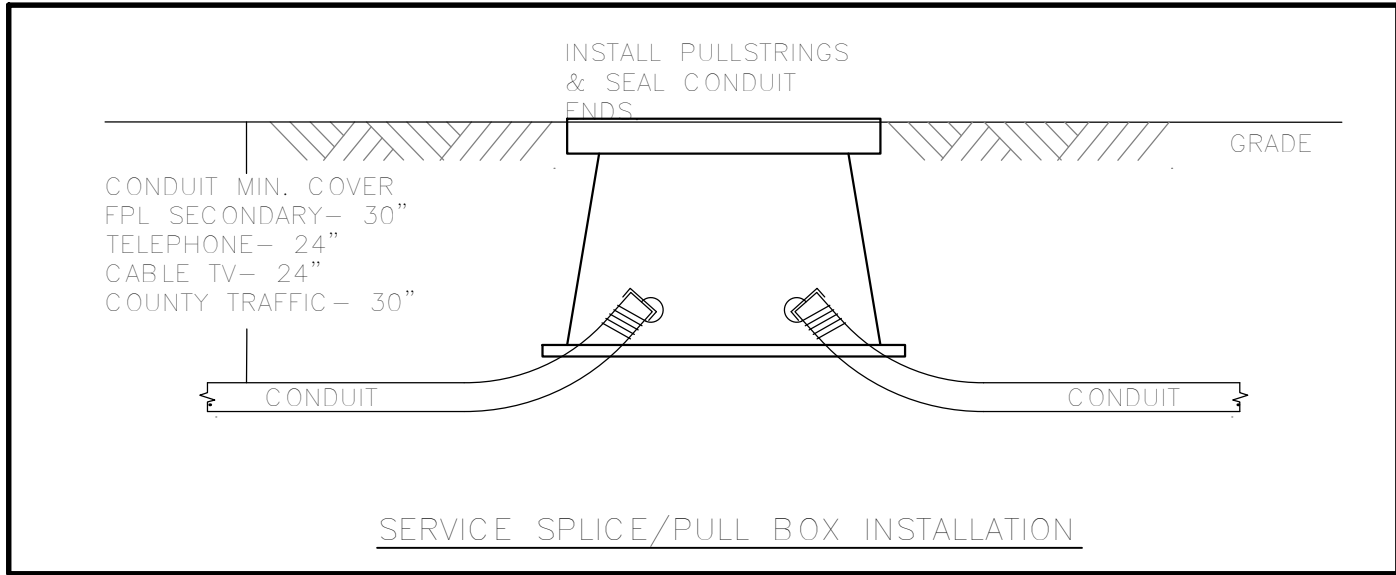
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FPL CONDUIT AND EQUIPMENT LOCATIONS

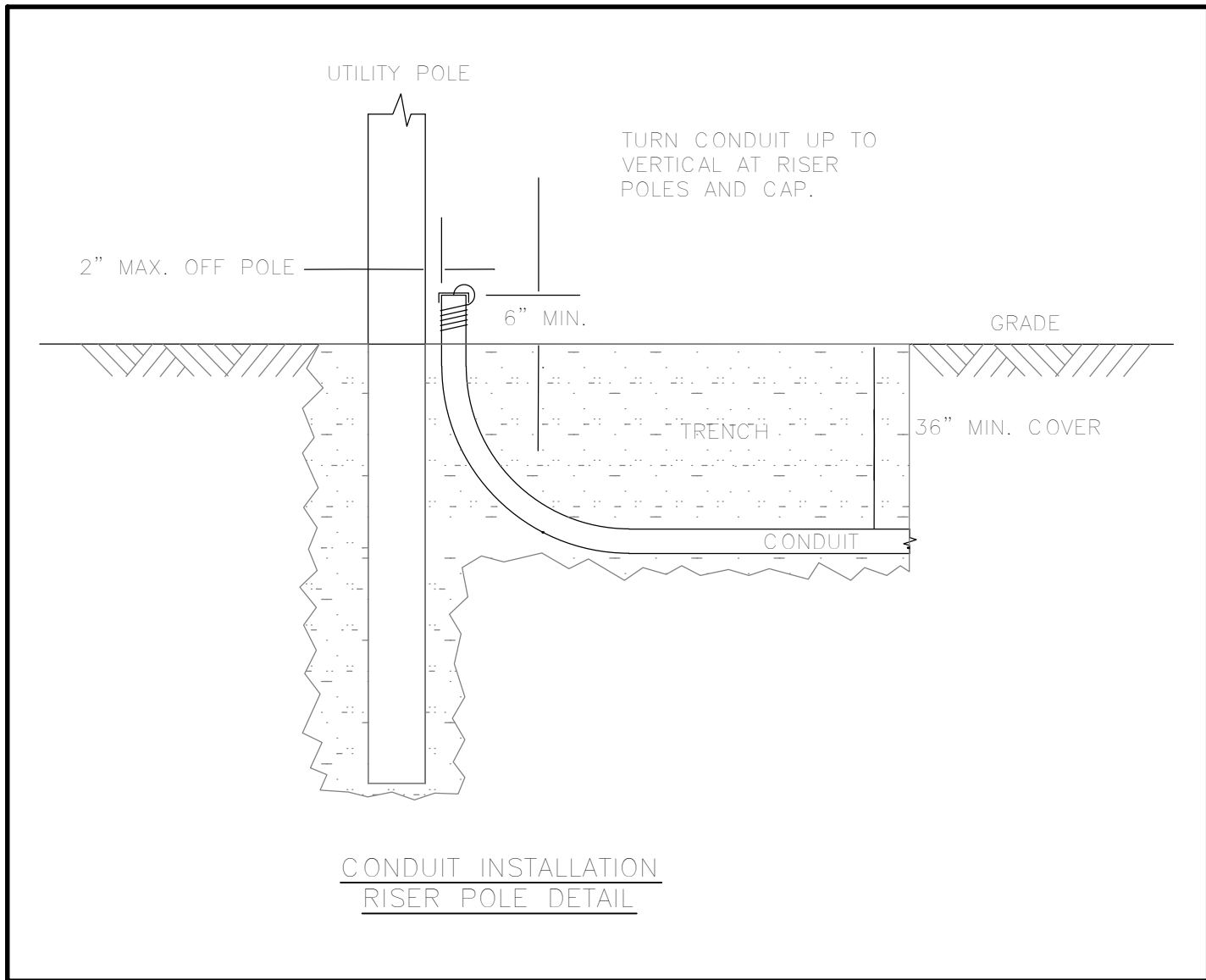
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Of	9	Sheets



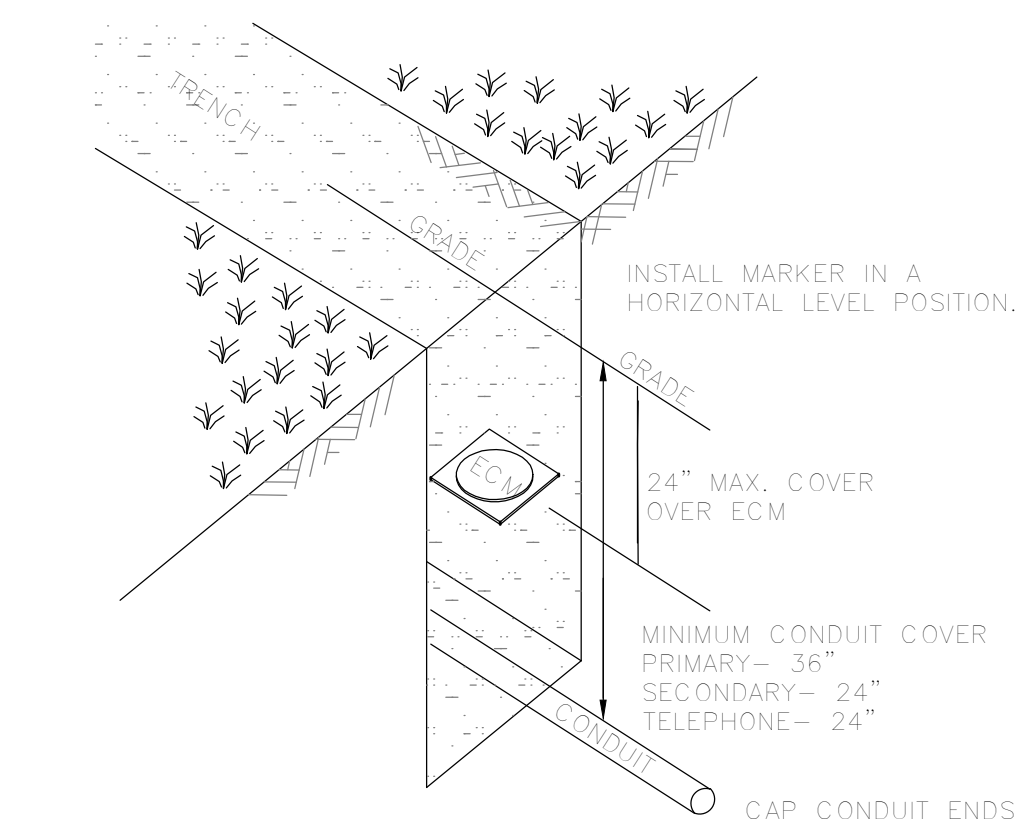
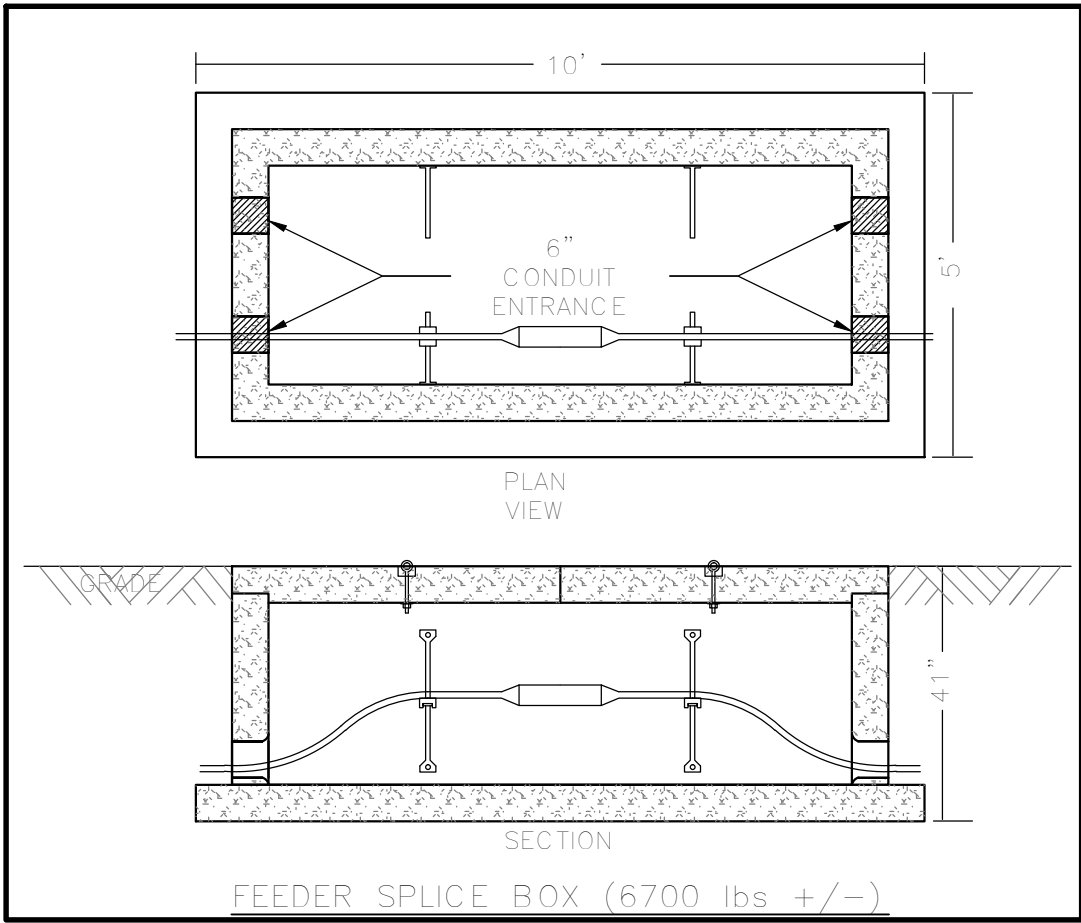
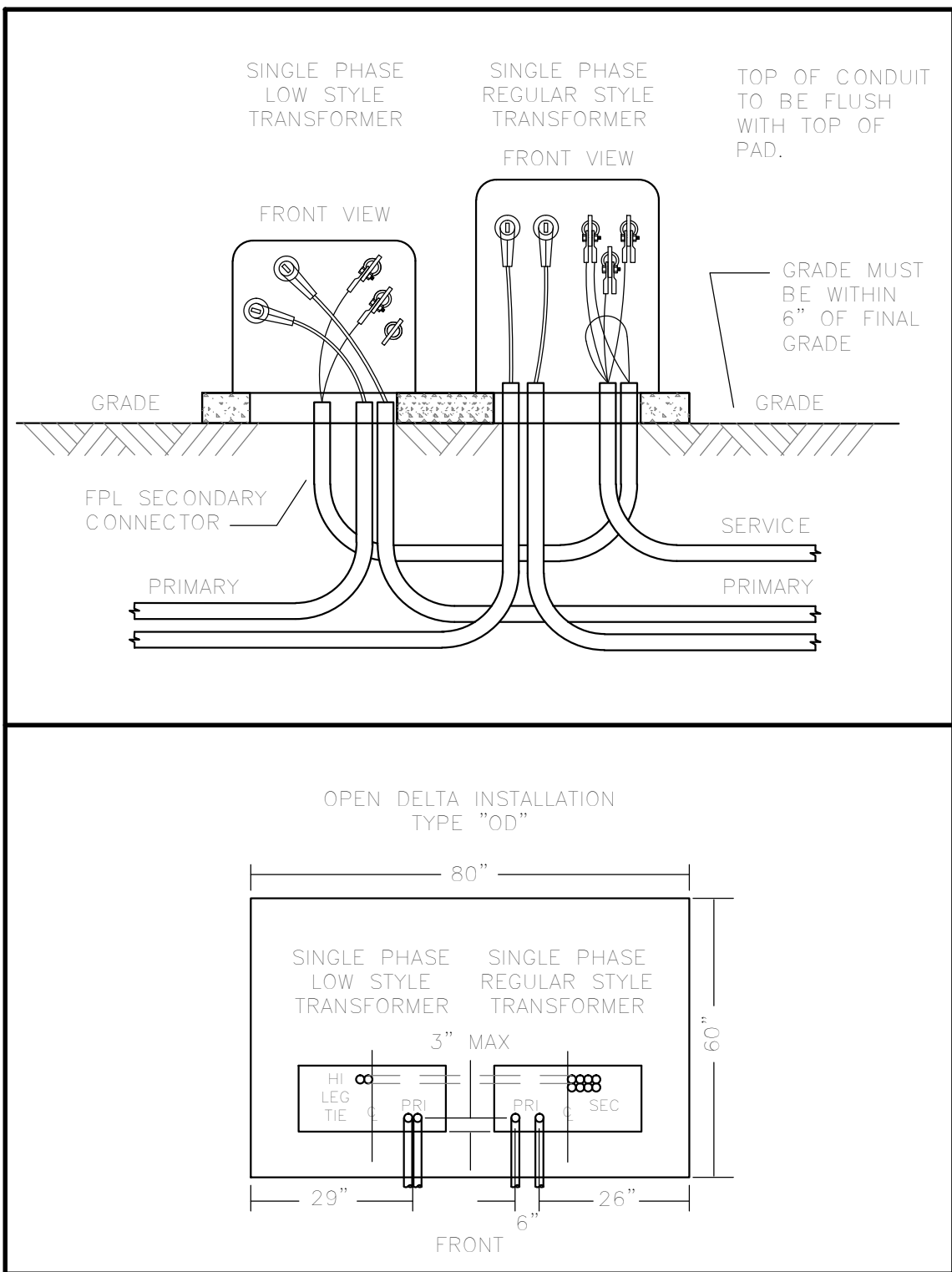
FPL PADMOUNT TRANSFORMER
LANDSCAPING CLEARANCES



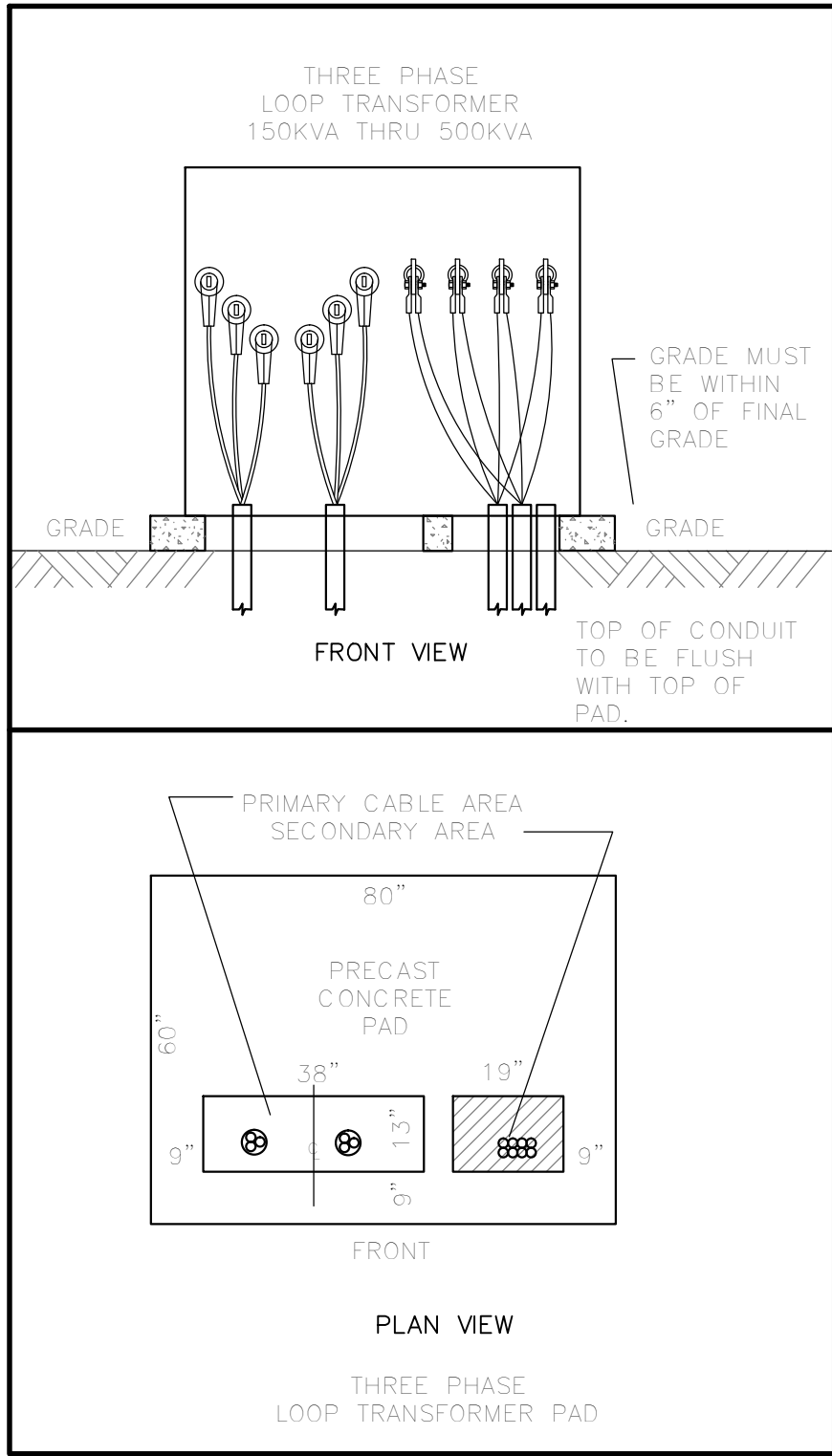
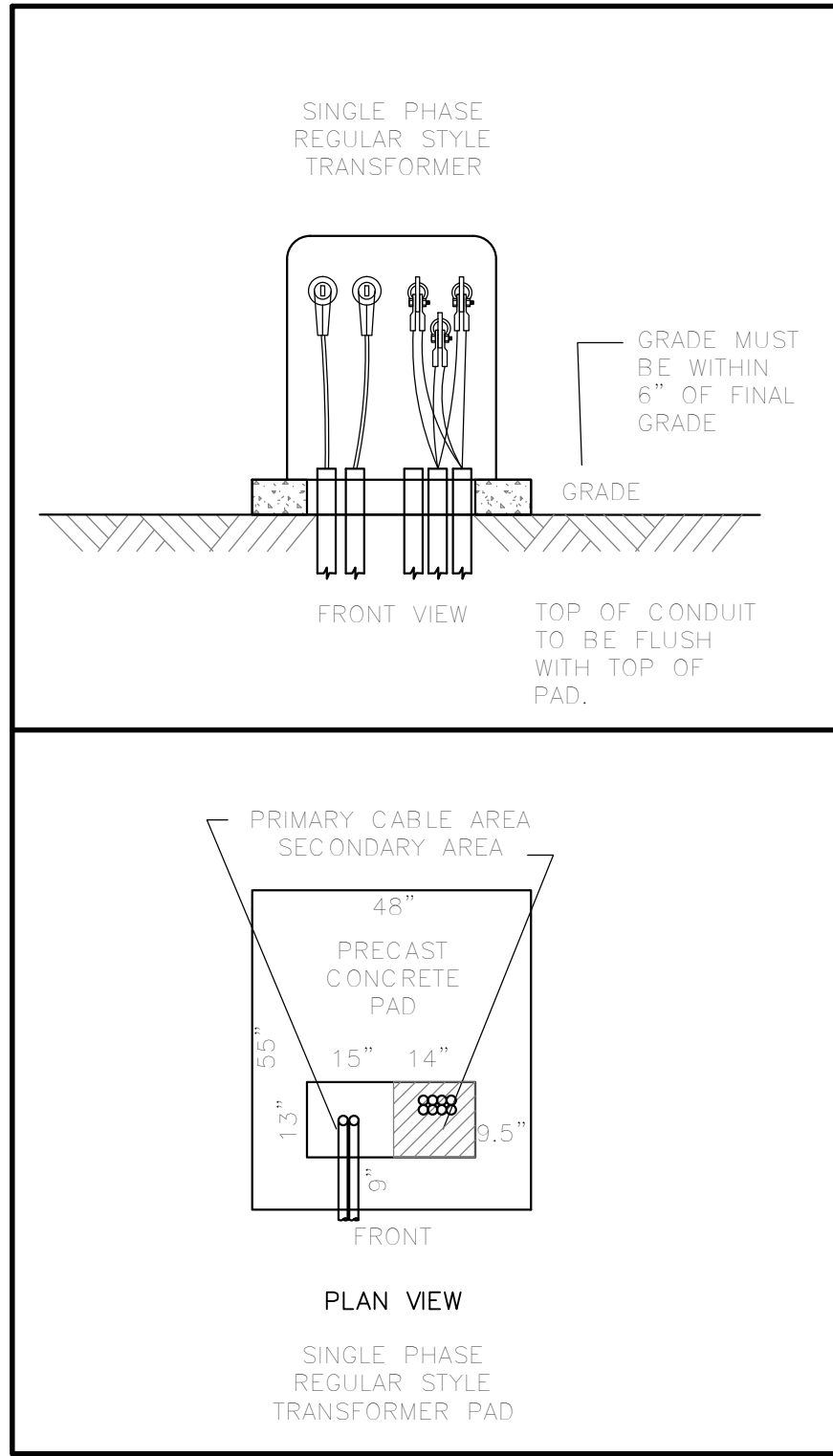
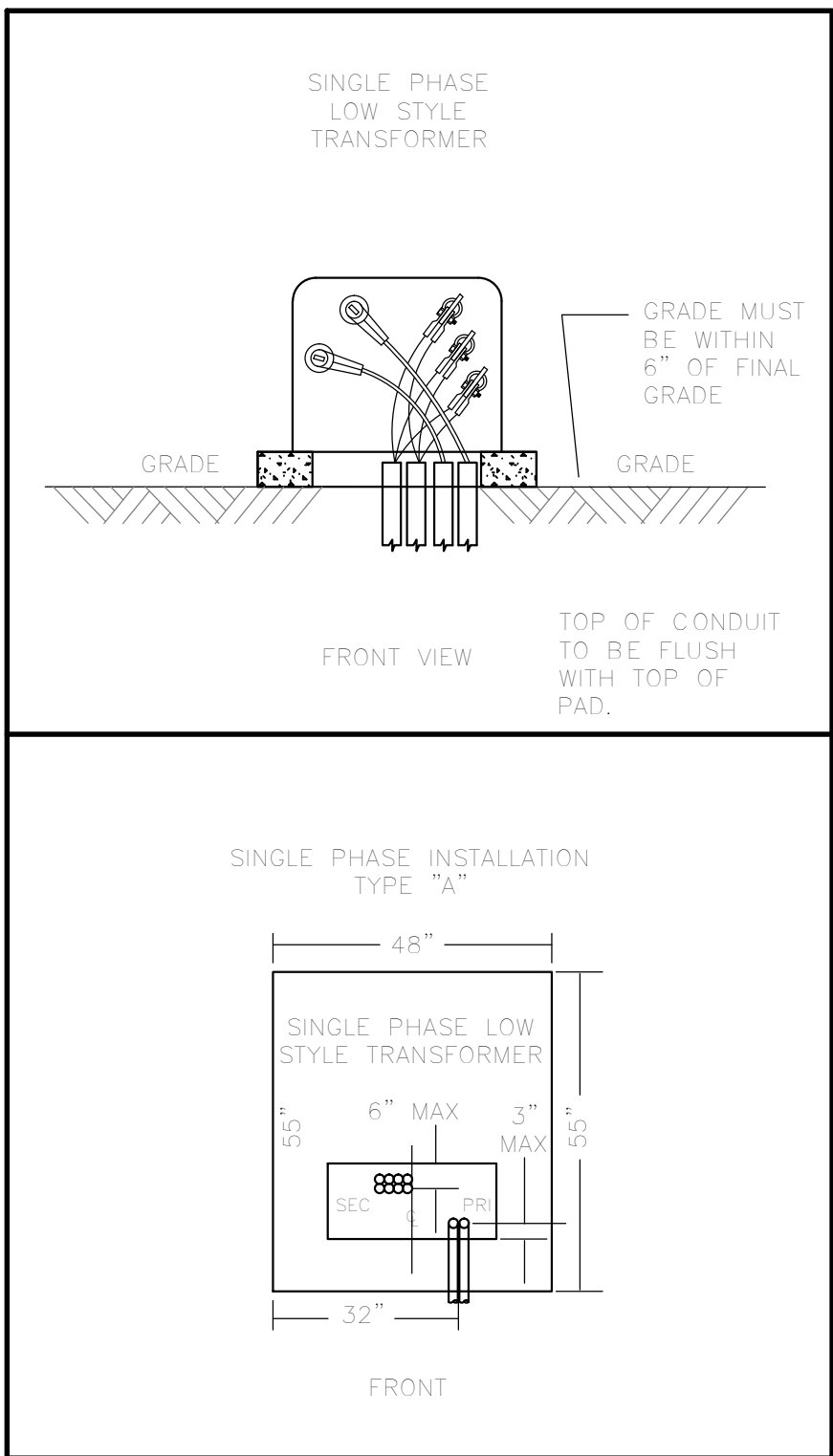
SERVICE SPICE/PULL BOX INSTALLATION



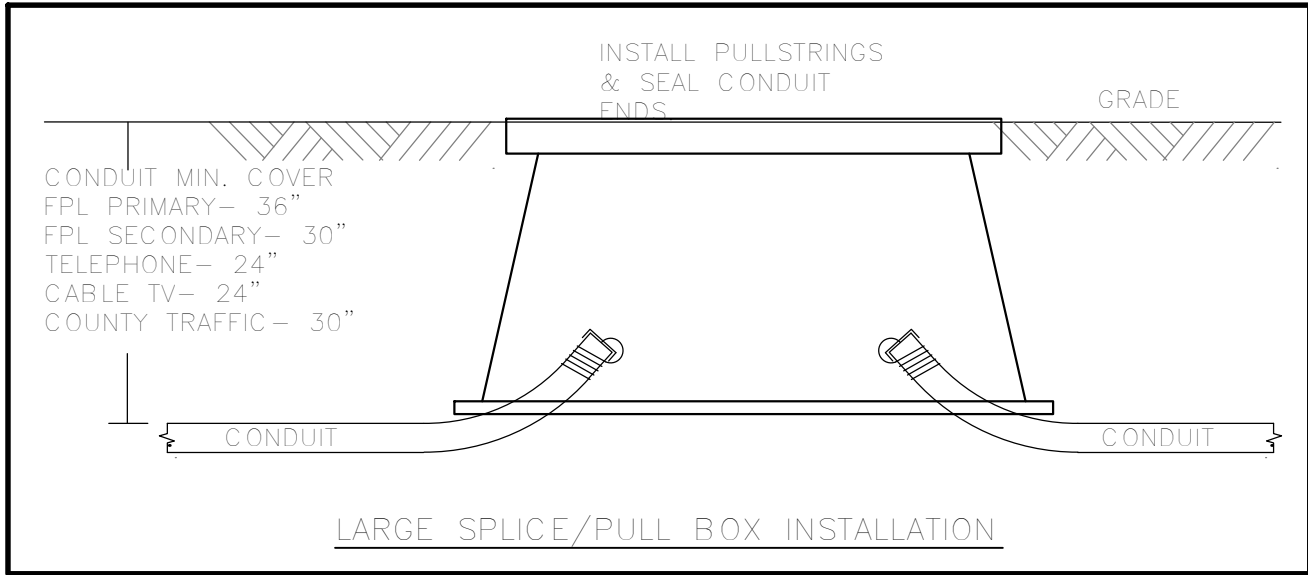
CONDUIT INSTALLATION
RISER POLE DETAIL



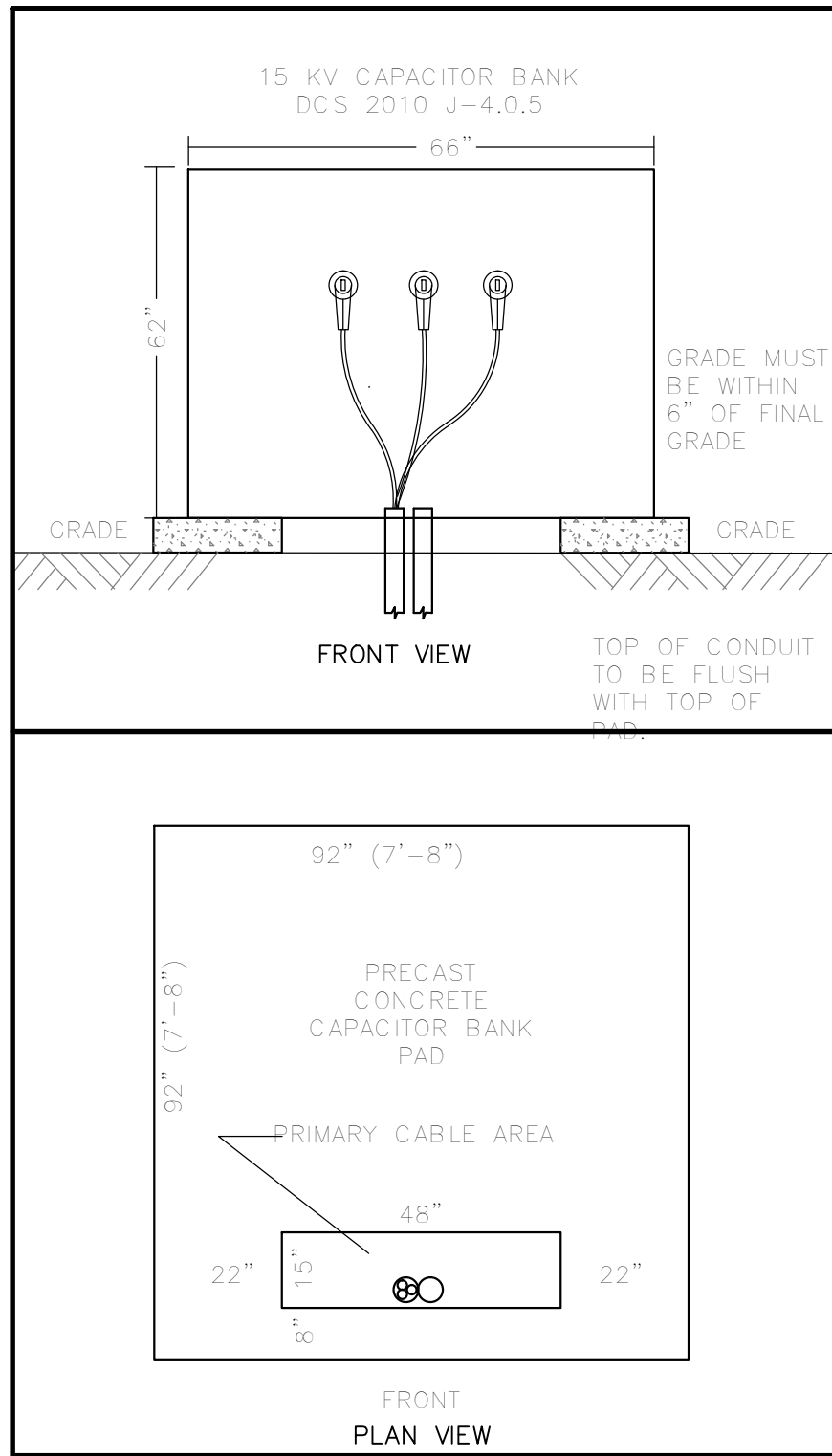
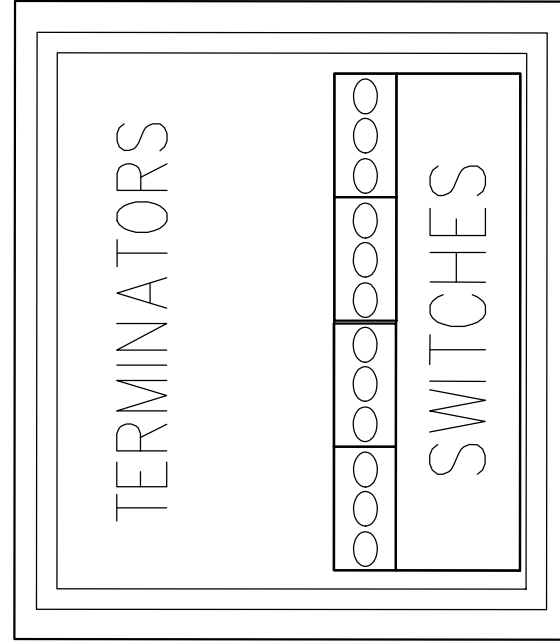
ELECTRONIC CABLE
MARKER
INSTALLATION DETAIL



NOTE: CONTRACTOR TO UTILIZE FPL CONDUIT
TEMPLATES AS NECESSARY. CONTRACTOR TO VERIFY
CONDUIT TERMINATION LOCATIONS WITH FPL
INSPECTOR PRIOR TO INSTALLING.



LARGE SPICE/PULL BOX INSTALLATION



TYPICAL FPL EQUIPMENT INSTALLATION CONFIGURATION SPECIFICATIONS (REFER TO FPL DISTRIBUTION CONSTRUCTION STANDARDS FOR ADDITIONAL INFORMATION)

REVISIONS	BY
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Brammon & Gillespie, LLC Consulting Engineers 691 U.S. Highway 1, Suite 301 North Palm Beach, Florida 33408 (561) 847-4495 CA# 6784	
DRAWINGS FOR: OVERHEAD UTILITY UNDERGROUNDING PROJECT PALM BEACH SHORES 247 EDWARDS LANE PALM BEACH SHORES, FLORIDA	
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Checked: DPB	
Job # 15-111	
Sheet F9	
Of 9 Sheets	

Pre-Bid Mandatory Meeting - Palm Beach Utility Undergrounding Project

Attendance Log

September 11, 2018

Company	Attendee	Email Address
Viking Utility	HAROLD PARIS	HAROLDPARIS@comcast.net
Viking Utility	Russ Durden	DURDENRUSSEL@gmail.com
Viking Utility	Pierre de Amezola	Pdeamezola@vikingutility.com
Electricom inc	Roscoe Prescott	RPrescott@Electricominc.com L Punte@Electricominc.com
ROHL Global Network	JASON ROHL	jrohl@rohlent.com
HyPower, Inc.	JOHN ZOERHOFF	jzoerhoff@hyppowerinc.com
Danella Utility Construction	Tamara Genius	tgenius@danella.com
Danella	Felipe Santillan	fsantillan@danella.com
Danella	Freddie Brady	Pbrady@danella.com
InfraTech	Alan Graham	agraham@InfraTechcorp.com

Pre-Bid Mandatory Meeting - Palm Beach Utility Undergrounding Project

Attendance Log

September 11, 2018

Company	Attendee	Email Address
Infratech Corp.	Matthew Petrillo	mpetrillo@infratechcorp.com
Wilco Electrical	Tom Newk	tom@wilcoelec.com
Pike Electric	Joe Weiss	Jweiss@Pike.com
Pike Electric	Shel Simmons	MSsimmons@Pike.com
Pike	Neal Sanders	nsanders@pike.com
Pike Electric	Chris Mauldin	cmauldin@pike.com

Town of Palm Beach Shores
Utility Undergrounding Initiative - Project No: 2018-50
September 11, 2018

Pre-Bid Meeting Questions and Answers

Question: How much advance notice does FPL need for switching orders?

Answer: FPL has indicated that these projects take longer times for the delivery of switching orders. Contractor should be aware of this situation and shall work with FPL to ensure timely delivery of switching orders.

Question: Who is responsible for the conversion of the home FPL services?

Answer: The contractor shall be responsible for the conversion of all residential and commercial electrical FPL service connections to the new underground system including the provision of service wire for multifamily residential services (6 or more dwelling units per service lateral) and commercial services. The conversions will include the removal of all weatherheads and the placing of a cap on the overhead mast pipe.

Question: Will the contractor be required to pull a permit for each residential conversion?

Answer: Where the contractor is not making any change to the owner's load wiring other than removing the wire from the meter to the weatherhead, or any other changes to any other owner facilities downstream from the meter, and is only working on replacing the FPL downpipes, meter can, or service wiring, no permit will be required.

Question: Does the Town have a count of 100 Amp meter enclosures?

Answer: No.

Question: Can the contractor leave boring equipment on site when a bore is in process at the end of the work day?

Answer: The Town has agreed that it will be permissible to leave equipment in place off the travel lanes for situations where a bore is in process at the end of the work or planned to be used the next day, but left onsite over a weekend or other day when the contractor is not working. Appropriate barricades and/or cones will be required to protect the public.

Question: What is the situation with removing the overhead service mast thru the roof?

Answer: Contractor will not remove any service masts thru the roof, but will remove the weatherhead and cap the mast pipe above the roof.

Town of Palm Beach Shores
Utility Undergrounding Initiative - Project No: 2018-50

September 11, 2018

Question: Who will remove and replace concrete around meter can down pipes if needed for access?

Answer: Contractor shall be responsible for removal and replacement of concrete around meter can down pipes to equal or better than original condition if needed for access.

Question: Do we coordinate conversions at the homes with FPL?

Answer: The contractor will be responsible for the conversions. If the contractor has the authority from FPL to disconnect the overhead service or the reseal the meter can after the conversion work is completed, they will be allowed to do that work. If the contractor does not have the ability to do this work, they will need to coordinate with FPL to complete the work.

Question: For any excavation work in the roadway travel lanes, can we patch or do we have to comply with FDOT guidelines to resurface 50 feet either side of the excavation site for any travel lane excavated?

Answer: Yes, resurfacing 50 feet either side of the excavation site per FDOT maintenance guidelines is required. Where driveways or side street parking areas are excavated, a minimum size repair/resurfacing area will be 10 feet by 10 feet.

Question: Is the project duration 8 months or 18 months?

Answer: 18 months from the issuance date of the notice to proceed.

Question: What is the requirement for contractor supplied as-built data?

Answer: Contractor will provide information relative to horizontal position and vertical depth data for all installed underground facilities. Data may be provided with peep pipes, or with bore logs and ground markers for horizontal data, or by any other means agreeable with the Town's surveyor.

Question: Does the contract call for the contractor to remove all FPL risers and customer owned service risers from the poles?

Answer: Yes, the contract calls for the contractor to remove all FPL risers and customer owned electric service risers from the poles.

Town of Palm Beach Shores
Utility Undergrounding Initiative - Project No: 2018-50

September 11, 2018

Question: Are all home services overhead or are some existing underground and will need to go to the front?

Answer: There are very few existing underground services that can be reused. These are marked on our plans. There may cases where existing underground services can be intercepted and conduit sections reused as long as it does not increase the length of the service run. Engineer must review such cases.

Question: Are all homes currently served overhead from the rear?

Answer: Some along the perimeter of the Town are served from the front, but the majority are served from the rear. See the drawings.

Question: What are customer owned services?

Answer: FPL has incorrectly marked with notes ("SVC: CUST OWNED ") and line type designations ("---///---") many services on their prints as Customer Owned wire and conduit. Our attached revised drawings " FPL Conduit & Equipment Installation Supplemental Plans and Specifications" ,(Sheets F0,F1,F2,F3,F4,F5,F6,F7,F8), have corrected the designations and only the services actually classified as customer owned are shown with line type " ---///---". The contractor shall be responsible for the provision of service wire for all new multifamily residential services (6 or more dwelling units per service lateral) and all new commercial services. (Note: Dwelling units will not include house meters.)

Question: What is the estimated start date?

Answer: Based on the availability of FPL materials and our pre-work, we estimate the start date for construction to be somewhere between December 1, 2018 and January 7, 2019. This is subject to change as things develop.

Question: Will the contractor provide all the conduit for the AT&T and Comcast work?

Answer: Yes, all conduit, pull strings, and caps. Additionally, where new electric service conduits are installed, contractor will install 1" conduits (orange for Comcast and Gray for AT&T) from the electric meter location out to the street in the same route used for the FPL service conduits. The 1" typically terminate at the streets if the connecting pipe size changes. See plans for specific details.

Question: Will Comcast and AT&T install their own cable, splice boxes, pull boxes, pedestals, etc?

Answer: Yes.

Town of Palm Beach Shores
Utility Undergrounding Initiative - Project No: 2018-50

September 11, 2018

Question: Will the Town stake the AT&T and Comcast cable routes?

Answer: The Town will stake lot corners and FPL concrete pad for transformers and switches. Conduits are to be installed within the swale area of the public right-of-way for the majority of the work. See the plans. Where FPL equipment is shown at the right-of-way line, it is critical that the pads be placed against the ROW line. When the pad is centered on the lot corner, or one corner of the concrete pad is at the lot corner, no offset is required. Where offsets are required, they are noted on the attached Supplemental drawings.

Question: Will vegetation be removed?

Answer: The Town will remove any vegetation in conflict with the FPL equipment pads prior to the notice to proceed date. Contractors will not remove any vegetation or hardscape without the approval of the ENGINEER.

Question: Is this a lump sum bid or a unit bid?

Answer: This is a lump sum bid with a schedule of values to be used to price change orders if needed.

Question: Do we have to take the communications pipes back to the edge of the Right-of-way?

Answer: The plans show areas to terminate each of the communications conduits. Conduits can be installed in close proximity to each other, but must be at least 2 feet apart when turned up above grade. The turn up areas are typically close to the edge of the Right-of-way. See drawings.

Question: What will be the milestones or criteria for partial payments?

Answer: Bid prices will be allocated to groups of work such as Conduit installation, cable installation, transformer installation, etc. A list of work segments will be developed for each group such as sections of conduit, a list of transformers, a list of service conversion locations, etc. As the segment pieces are completed and verified by the Town, monthly draws will be issued based on the completed quantity in a group as a percentage of the total segments in that specific group. This provides a reasonable method for monthly draws based on completed work.

Question: Do you have a count of the number of secondary cable feet being installed? Do you have a count of the number of Service Conversions?

Answer: No. No.

Town of Palm Beach Shores
Utility Undergrounding Initiative - Project No: 2018-50

September 11, 2018

Question: What size will the customer owned wire be?

Answer: Where the meter center has a main breaker, it will be sized based on the breaker ampacity. Where the meter center has no main breaker, it will be sized no smaller than the largest branch breaker and will likely not be larger than 2 sets of 3#250 THNN copper in 2 inch conduit. The ENGINEER will approve the sizing prior to installation.

Question: What info does the FPL plan provide that we should be looking at specifically?

Answer: Some things that the FPL plans have that you will need are the service wire sizes and the service run lengths. Transformer sizing will also be shown on the FPL plans and CKT drawings. Additionally, the FPL circuit schematic (CKT) will be your guide to phasing and primary voltage circuit routing.

Question: What about using the property at Blue Heron and Lake Drive as a staging area?

Answer: The Town has contacted the owner and it may be possible. However, the property is for sale and that could impact its usability. If the Town can clarify the willingness of the owner, we will notify all bidders.

The answers and accompanying written documents provided herein are to be considered as valid components of the Project bid Documents. Verbal discussions held during the meeting or otherwise are not to be relied upon as valid components of the bid documents.