

CS-14-91

RECEIVED

# CONTRACT APPROVAL FORM CONTRACT MANAGEMENT

(Contract Management Use only)

**CONTRACT TRACKING NO.**

CM2207

2014 DEC 10 PM 2:21

### CONTRACTOR INFORMATION

Name: Florida Power & Light Company

Address: 56905 Griffin Road, Callahan Florida 32011

Contractor's Administrator Name: Robert Haddock Title: Senior Technical Specialist

Tel#: (904) 225-3003 Fax: \_\_\_\_\_ Email: \_\_\_\_\_

### CONTRACT INFORMATION

Contract Name: Install FPL Facilities Underground - Contract Value: N/A as per letter.

Brief Description: Cost to provide underground electric service to the New Sheriff Admin. Office Building Site -77079 Robert E. Williams Dr.

Contract Dates : From: \_\_\_\_\_ to \_\_\_\_\_ Status:  New  Renew  Amend#  WA/Task Order

How Procured:  Sole Source  Single Source  ITB  RFP  RFQ  Coop.  Other \_\_\_\_\_

### If Processing an Amendment:

Contract #: \_\_\_\_\_ Increase Amount of Existing Contract: \_\_\_\_\_ No Increase \_\_\_\_\_

New Contract Dates: \_\_\_\_\_ to \_\_\_\_\_ TOTAL OR AMENDMENT AMOUNT: \_\_\_\_\_

### APPROVALS PURSUANT TO NASSAU COUNTY PURCHASING POLICY, SECTION 6

- |    |   |                 |  |
|----|---|-----------------|--|
| 1. | <u><i>Sen Wood</i></u>                                | <u>12/9/14</u>  | No funding required as per letter from FPL dated December 9, 2014. |
|    | Department Head Signature                             | Date            | Funding Source/Acct #  |
| 2. | <u><i>Charlotte Young</i></u>                         | <u>12/17/14</u> |  |
|    | Contract Management                                   | Date            |  |
| 3. | <u><i>Mollie M. Garrett</i></u>                       | <u>12/23/14</u> |  |
|    | <del>County</del> Attorney (approved as to form only) | Date            |  |
|    | Mollie M. Garrett, Esq.                               |                 |  |
| 4. | <u><i>[Signature]</i></u>                             | <u>12-18-14</u> |  |
|    | Office of Management & Budget                         | Date            |  |

Comments: \_\_\_\_\_

### NASSAU COUNTY MANAGER - FINAL SIGNATURE APPROVAL

*Ted Selby* 12/23/14

Ted Selby Date

### RETURN ORIGINAL(S) TO CONTRACT MANAGEMENT FOR DISTRIBUTION AS FOLLOWS:

- Original: Clerk's Services; Contractor (original or certified copy)
- Copy: Department
- Office of Management & Budget
- Contract Management
- Chief Finance

DEC 29 PM 4:03

14 DEC 17 PM 1:25

14 DEC 23 AM 10:50

OFFICE OF CLERK OF COURTS  
NASSAU COUNTY FLORIDA

RECEIVED  
CLERK OF COURTS  
NASSAU COUNTY FLORIDA



December 9, 2014

Nassau County Facilities  
45195 Musselwhite Rd  
Callahan, FL 32011

Re: Cost to Install FPL Facilities Underground – 77079 Robert E Williams Dr.

Dear Mr. Knott.

We at FPL appreciate the opportunity to work with you in your new construction project at Sheriff Administration building, 77079 Robert E Williams Dr. Yulee, Florida. The cost to provide underground electric service to you has been calculated and is determined by FPL's approved electric tariffs and by the plans you have provided.

The cost of this installation is \$ N/A. Customer to install FPL 5" conduit per Exhibit "A".

ROS for materials is attached. Please arrange for pick up 5" from FPL yard located at 56905 Griffin Rd... The Notification of FPL Facilities is also enclosed and will need to be signed. The Specifications for Precast Transformer Location form is attached. Please have signed by proper person and return to me.

The following will be required to help keep your project on schedule:

- Notification of FPL Facilities
- Specifications for Precast Transformer location

Your construction project is very important to FPL. I will be communicating with you throughout the construction process and will work with you to keep it on schedule.

Sincerely,

A handwritten signature in black ink that reads "Robert E Haddock".

Robert E Haddock  
Senior Technical Specialist  
904-225-3003

**PVC REQUEST**

**STOREROOM HOURS 8AM - 3PM - CONTACT ROSE DEGENER AT 904-225-3037 TO ARRANGE FOR PICK-UP**

**REQUESTED BY:** ROBERT HADDOCK  
(DESIGNER)

**DATE:** 12/9/2014

**MATERIAL FOR:** SHERIFF ADMINISTRATION/ 77079 ROBERT E WILLIAMS DR  
(PROJECT NAME AND ADDRESS)

DESCRIPTION	CLASS	ITEM	UNIT	REQ	ACTUAL
5"PVC - SCHEDULE 40	164	33800-1	FT	280	
5" 90 36" R BEND	164	25250-5	EA		4
5" 90 48" R BEND	164	25200-9	EA		1
5" 22.5 DEG,	164	13000-1	EA		1
5" 45 DEG.48" R	164	61400-8	EA		
5" OR 6" RSR U-GUARD	164	66510-9	EA		
5" OR 6" BOOT RISER	164	66810-8	EA		
5" PVC COUPLING	164	44900-7	EA		5
5" PVC-GALV FEM ADPT	164	38600-5	EA		
5" PVC PLUG	164	53500-1	EA		2
PVC CEMENT	522	14100-7	EA		3
48" HANDHOLE W/COVER	162	12100-4	EA		
24" HANDHOLE W/COVER	162	12000-8	EA		
17" HANDHOLE W/COVER	162	30400-1	EA		
#12C THHN WIRE	115	09300-8	FT	500	
EMS MARKER	590	61601-5	EA		

**REF JOB:** D00005901794

NASSAU COUNTY

**RECEIVED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

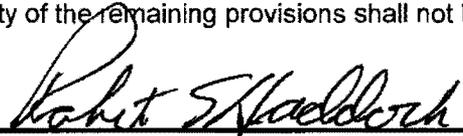
**INDEMNITY AGREEMENT FOR ON-SITE VISITS**

Supplier, or visitor, as applicable, agrees to protect, defend, indemnify and hold Florida Power & Light Company "FPL", its parent, subsidiaries and any affiliated company of FPL Group, Inc. and their respective officers, directors, agents, and employees "FPL Entities" free and unharmed from and against any liabilities whatsoever resulting from or in connection with this on-site visit whether or not such liabilities are due to or caused in whole or in part by negligence of FPL Entities. Except for liabilities resulting from Supplier's or visitors failure to comply with laws, rules and regulations, the limit of supplier's, or visitor's, as applicable, indemnity obligation per occurrence, shall not exceed the sum of Three Hundred Thousand Dollars (\$300,000). If supplier, or visitor, as applicable, is insured for liability with limits in excess of Three Hundred Thousand Dollars (\$300,000) from a single occurrence, supplier's or visitor's, as applicable, indemnity obligation shall extend up to but shall not exceed the higher limits of that insurance. The limits of supplier's, or visitor's, as applicable, indemnity obligations hereunder shall not apply to or limit supplier's, or visitors, as applicable, responsibility for attorneys' fees and costs under this Indemnity Agreement.

The Indemnity Agreement shall be constructed in accordance with, and governed by, the laws of the State of Florida.

Should any provisions of this Indemnity Agreement be determined by a court or competent jurisdiction to be illegal, unenforceable or in conflict with any applicable law, the validity of the remaining provisions shall not be impaired.

  
\_\_\_\_\_  
Signature

  
\_\_\_\_\_  
Company Representative



FPL

# NOTIFICATION OF FPL FACILITIES

Customer/Agency Nassau County  
 Developer/Contractor Name Nassau County  
 Location of Project 77079 Robert E Williams Dr  
 FPL Representative ROBERT HADDOCK  
 Developer/Contractor Representative Bob Knott

Date of Meeting/Contact: 12/0/2014  
 Project Number/Name: Sheriff Administration Building  
 City: Yulee  
 Phone: 904-696-7403  
 FPL Work Request #/Work Order #: 5901794, 5901690

FPL calls your attention to the fact that there may be energized, high voltage electric lines, both overhead and underground, located in the area of this project. It is imperative that you visually survey the area and that you also take the necessary steps to identify all overhead and underground facilities prior to commencing construction to determine whether the construction of any proposed improvements will bring any person, tool, machinery, equipment or object closer to FPL's power lines than the OSHA-prescribed limits. If it will, you must either re-design your project to allow it to be built safely given the pre-existing power line location, or make arrangements with FPL to either deenergize and ground our facilities, or relocate them, possibly at your expense. **You must do this before allowing any construction near the power lines.** It is impossible for FPL to know or predict whether or not the contractors or subcontractors, and their employees, will operate or use cranes, digging apparatus or other mobile equipment, or handle materials or tools, in dangerous proximity to such power lines during the course of construction, and, if so, when and where. Therefore, if it becomes necessary for any contractor or subcontractor, or their employees, to operate or handle cranes, digging apparatus, draglines, mobile equipment, or any other equipment, tools or materials in such a manner that they might come closer to underground or overhead power lines than is permitted by local, state or federal regulations, you and any such contractor or subcontractor must notify FPL in writing of such planned operation prior to the commencement thereof and make all necessary arrangements with FPL in order to carry out the work in a safe manner. **Any work in the vicinity of the electric lines should be suspended until these arrangements are finalized and implemented.**

The National Electrical Safety Code ("NEC") prescribes minimum clearances that must be maintained. If you build your structure so that those clearances cannot be maintained, you may be required to compensate FPL for the relocation of our facilities to comply with those clearances. As such, you should contact FPL prior to commencing construction near pre-existing underground or overhead power lines to make sure that your proposed improvement does not impinge upon the NEC clearances.

It is your responsibility and the responsibility of your contractors and subcontractors on this project to diligently fulfill the following obligations:

1. Make absolutely certain that all persons responsible for operating or handling cranes, digging apparatus, draglines, mobile equipment or any equipment, tool, or material capable of contacting a power line, are in compliance with all applicable state and federal regulations, including but not limited to U.S. Department of Labor OSHA Regulations, while performing their work.
2. Make sure that all cranes, digging apparatus, draglines, mobile equipment, and all other equipment or materials capable of contacting a power line have attached to them any warning signs required by U.S. Department of Labor OSHA Regulations.
3. Post and maintain proper warning signs and advise all employees, new and old alike, of their obligation to keep themselves, their tools, materials and equipment away from power lines per the following OSHA minimum approach distances (refer to OSHA regulations for restrictions):

*Power Line Voltages	Personnel and Equipment (29 CFR 1910.333 and 1926.600)	Cranes and Derricks (29 CFR 1926.1407, 1408)	Travel under or near Power Lines (on construction sites, no load) (29 CFR 1926.600 - Equipment) (1926.1411 - Cranes and Derricks)	
0 - 750 volts	10 Feet**	10 Feet	4 Feet	4 Feet
751 - 50,000 volts	10 Feet	10 Feet	4 Feet	6 Feet
69,000 volts	11 Feet	15 Feet	10 Feet	10 Feet
115,000 volts	13 Feet	15 Feet	10 Feet	10 Feet
138,000 volts	13 Feet	15 Feet	10 Feet	10 Feet
230,000 volts	16 Feet	20 Feet	10 Feet	10 Feet
500,000 volts	25 Feet	25 Feet	16 Feet	16 Feet

**\*When uncertain of the voltage, maintain a distance of 20 feet for voltages up to 350,000 volts and 50 feet for voltages greater than 350,000 volts.**

\*\*For personnel approaching insulated secondary conductors less than 750 volts, avoid contact (Maintain 10 Feet to bare energized conductors less than 750 volts).

4. All excavators are required to contact the Sunshine State One Call of Florida, phone number 1-800-432-4770 or 811 a minimum of two working days (excluding weekends) in advance of commencement of excavation to ensure facilities are located accurately.
5. Conduct all locations and excavations in accordance with the Florida Statute 556 of the Underground Facilities Damage Prevention & Safety Act and all local city and county ordinances that may apply.
6. When an excavation is to take place within a tolerance zone, an excavator shall use increased caution to protect underground facilities. The protection requires hand digging, pot holing, soft digging, vacuum methods, or similar procedures to identify underground facilities.

A copy of this notification must be provided by you to each contractor and subcontractor on this project, to be shared with their supervision and employees prior to commencing work on this project.

E-mail

Means by which this notification was provided to customer and/or contractor

bknott@nassaucountyfl.com

Address

FPL Representative Signature

Customer/Developer/Contractor Representative Signature

Date

Date



## SPECIFICATIONS FOR PRECAST TRANSFORMER LOCATION

WORK REQUEST NO. 5901794

DATE: December 9, 2014

NAME OF CUSTOMER: Nassau County

ADDRESS: 77079 Robert E williams Dr., Yulee FL

FPL REPRESENTATIVE: Robert Haddock

TEL. NO 904-225-3003

SECONDARY DELIVERY VOLTAGE 277/480 VOLT Wye, Three PHASE, Four WIRE

### CUSTOMER AGREES TO:

#### 1. GENERAL:

- 1.1 PROVIDE A SUITABLE LOCATION, COMPACTED AND LEVEL TO 3" BELOW FINAL GRADE, FOR FPL TRANSFORMER PAD AND INSTALL SECONDARY/SERVICE FROM PAD TO BUILDING AS SPECIFIED ON THE ATTACHED EXHIBIT "A" AND AS OUTLINED BELOW.
- 1.2 IT IS FURTHER UNDERSTOOD AND AGREED THAT SUBSEQUENT RELOCATION OR REPAIR OF THE FPL SYSTEM, ONCE INSTALLED, WILL BE PAID BY THE CUSTOMER IF SAID RELOCATION OR REPAIR IS A RESULT OF A CHANGE IN THE LAYOUT OR GRADING BY THE CUSTOMER OR ANY OF THE CUSTOMER'S CONTRACTORS OF SUBCONTRACTORS FROM THE TIME THE UNDERGROUND FACILITIES WERE INSTALLED; AND THAT SUBSEQUENT REPAIR TO FPL'S SYSTEM, ONCE INSTALLED, WILL BE PAID BY THE CUSTOMER IF SAID REPAIR IS A RESULT OF DAMAGE CAUSED BY THE CUSTOMER OR ANY OF THE CUSTOMER'S CONTRACTORS OR SUBCONTRACTORS.
- 1.3 NOTIFY GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR AND APPLIANCE SUPPLIERS OF THE SERVICE VOLTAGE TO BE SUPPLIED BY FPL.

#### 2. EASEMENTS:

PROVIDE FPL WITH GOOD AND SUFFICIENT RECORDED EASEMENTS, INCLUDING LEGAL DESCRIPTIONS AND SURVEY WORK TO PRODUCE SUCH EASEMENTS, FOR THE INSTALLATION AND MAINTENANCE OF ITS ELECTRIC DISTRIBUTION FACILITIES MUST BE GRANTED OR OBTAINED, AT NO COST TO FPL, PRIOR TO FPL'S ENERGIZING ITS FACILITIES.

#### 3. SITE REQUIREMENTS:

- 3.1 GRADE: WITHIN THE EASEMENT, FILL OR CUT TO WITHIN 6" OF FINAL GRADE, PROVIDE GRADE STAKES AND CLEAR EASEMENT OF TREES, STUMPS, CONSTRUCTION MATERIALS, AND OTHER OBSTACLES BEFORE AND DURING CONSTRUCTION BY FPL OR FPL CONTRACTORS.
- 3.2 COMPACTION: AFTER FPL OR ITS CONTRACTOR HAS BACKFILLED THE TRENCH USING ROUGH-GRADING TECHNIQUES, THE CUSTOMER IS RESPONSIBLE FOR PROVIDING COMPACTION OR OTHER SPECIAL BACKFILL. FPL WILL NOT BE RESPONSIBLE FOR SETTLING OF THE TRENCH ROUTE.
- 3.3 PLANS: PROVIDE FPL WITH LOCATION AND DEPTH INFORMATION AND/OR DRAWINGS OF ALL EXISTING OR PROPOSED UNDERGROUND FACILITIES ON THE CUSTOMER'S PROPERTY. LOCATE OR EXPOSE UNDERGROUND FACILITIES WHEN REQUESTED BY FPL.
- 3.4 NOTIFICATION: PROVIDE FPL WITH AT LEAST THREE (3) WEEKS NOTICE PRIOR TO THE COMMENCEMENT OF PAVING, LANDSCAPING, SODDING, SPRINKLER SYSTEMS AND OTHER SURFACE WORK. CUSTOMER WILL BEAR THE COST OF RESTORING THESE OBSTRUCTIONS TO THEIR ORIGINAL CONDITION IF ABOVE NOTICE IS NOT PROVIDED.

#### 4. TRANSFORMER PAD LOCATION:

- 4.1 LOCATION: PAD WILL BE INSTALLED AT GRADE LEVEL AND LOCATED see sheet GE-1. SEE EXHIBIT "A" FOR EXACT LOCATION OF PRECAST CONCRETE PADS, HANDHOLES, AND CONDUIT TRENCHES.
- 4.2 CLEARANCES: A MINIMUM CLEARANCE OF THREE (3) FEET MUST BE MAINTAINED AT SIDES AND REAR OF TRANSFORMER PAD AND EIGHT (8) FEET IN FRONT OF PAD AS SHOWN ON THE ATTACHED DRAWING



DCS UN-21. THIS CLEARANCE APPLIES TO ALL TYPES OF OBSTRUCTIONS INCLUDING LANDSCAPING AND FENCES.

- 4.3 PROTECTION: PROVIDE AND INSTALL CURBS AND/OR PROTECTIVE BARRIERS, WHEN REQUIRED, AS DETAILED ON DCS UN-21, AFTER THE INSTALLATION OF CONCRETE PADS AND TRANSFORMERS. CURBS AND/OR BARRIERS MUST BE IN PLACE PRIOR TO FPL ENERGIZING THE SERVICE.

5. CT METERING:

WHEN METERING CURRENT TRANSFORMERS (CT'S) ARE REQUIRED, THEY WILL BE LOCATED AS SPECIFIED ON THE ATTACHED EXHIBIT "A" AND INSTALLED BY FPL. THE CUSTOMER WILL PROVIDE AND INSTALL A 1-1/2 INCH GALVANIZED OR SCHEDULE 80 PVC CONDUIT FROM THE METER CABINET TO THE LOCATION OF THE CT'S. CONDUIT RUN IS NOT TO EXCEED 10 FEET IN LENGTH BETWEEN CT'S AND METER WITH NO MORE THAN TWO 90 DEGREE BENDS UNLESS PRE-APPROVED BY FPL. CONDUIT PULL OUTLET BOXES (LB'S) ARE NOT BE USED.

6. SSDR METERING:

IF SOLID STATE DATE RECEIVING (SSDR) METERING IS REQUIRED, THE CUSTOMER WILL PROVIDE AND INSTALL FACILITIES FOR THE SSDR METERING EQUIPMENT AS DETAILED ON THE ATTACHED "CUSTOMER REQUIREMENTS FOR SSDR METERING EQUIPMENT" SHEET.

7. CUSTOMER SERVICE ENTRANCE:

- 7.1 GENERAL: PROVIDE AND INSTALL SECONDARY/SERVICE TO PADMOUNTED TRANSFORMER FROM ELECTRICAL EQUIPMENT/METER ROOM.
- 7.2 CONDUITS: THE MAXIMUM CROSS SECTIONAL AREA TO BE OCCUPIED BY THE CUSTOMER'S SERVICE CONDUITS, IS LIMITED TO THE AREA GIVEN IN THE ATTACHED EXHIBIT "A". TERMINATE CONDUITS IN PAD AT THREE INCHES ABOVE FINAL GRADE. ALL CONDUITS FOR FUTURE SERVICES MUST BE INSTALLED AT THIS TIME.
- 7.3 CONDUCTOR: THE SERVICE CONDUCTORS ARE TO BE LIMITED TO A MAXIMUM OF EIGHT (8) PER PHASE AT EACH TRANSFORMER. PROVIDE FEET OF CABLE PER LIGHTING LEG AND NEUTRAL (AND FEET OF CABLE PER HI-LEG FOR 120/240V 3 PHASE SERVICE) BEYOND CONDUITS FOR CONNECTION TO FPL FACILITIES IN TRANSFORMER COMPARTMENT. MAXIMUM SIZE OF CONDUCTOR IS

FPL AGREES TO:

1. PROVIDE AND INSTALL CONDUIT (EXCEPT UNDER BUILDINGS), HANDHOLES, CONCRETE PADS, PADMOUNTED TRANSFORMERS, AND PRIMARY AND SECONDARY CABLE.
2. PROVIDE AND INSTALL GROUND RODS AT PADS.
3. PROVIDE ELECTRONIC MARKERS FOR CUSTOMER'S INSTALLATION WHEN REQUIRED.
4. CONNECT CUSTOMER'S SERVICE CABLES TO FPL FACILITIES IN TRANSFORMER COMPARTMENT.
5. PROVIDE AND INSTALL METERING WIRING BETWEEN METER CABINET AND CT'S WHERE APPLICABLE.
6. MAINTAIN ALL EQUIPMENT AND MATERIAL INSTALLED BY FPL.

IMPORTANT:

THIS SPECIFICATION IS BASED ON THE CUSTOMER'S SUBMITTED PLANS AND ANY CHANGES IN THESE PLANS MAY RESULT IN ADDITIONAL COSTS, WHICH THE CUSTOMER AGREES TO PAY. WHEN REQUIRED, THE CUSTOMER AGREES TO PAY A CONTRIBUTION FOR THE DIFFERENTIAL COST BETWEEN OVERHEAD AND UNDERGROUND SERVICE. THE AGREEMENT AND REQUIREMENTS AS OUTLINED IN THIS SPECIFICATION, EXHIBIT "A", AND ALL ATTACHMENTS MUST BE ADHERED TO. ANY NON-CONFORMANCE OR CHANGES MAY RESULT IN DELAYS UNTIL THESE SPECIFICATIONS ARE MET.

**ANY CHANGES OR VARIATIONS FROM THESE SPECIFICATIONS MUST BE SUBMITTED TO AND APPROVED BY FPL IN WRITING.**



**ACCEPTANCE OF SPECIFICATIONS:**

I HEREBY CERTIFY THAT I AM AUTHORIZED TO ACCEPT THESE SPECIFICATIONS ON BEHALF OF THE CUSTOMER AND THAT I WILL DELIVER A COPY OF THESE SPECIFICATIONS TO THE CUSTOMER AND ALL AFFECTED CONTRACTORS:

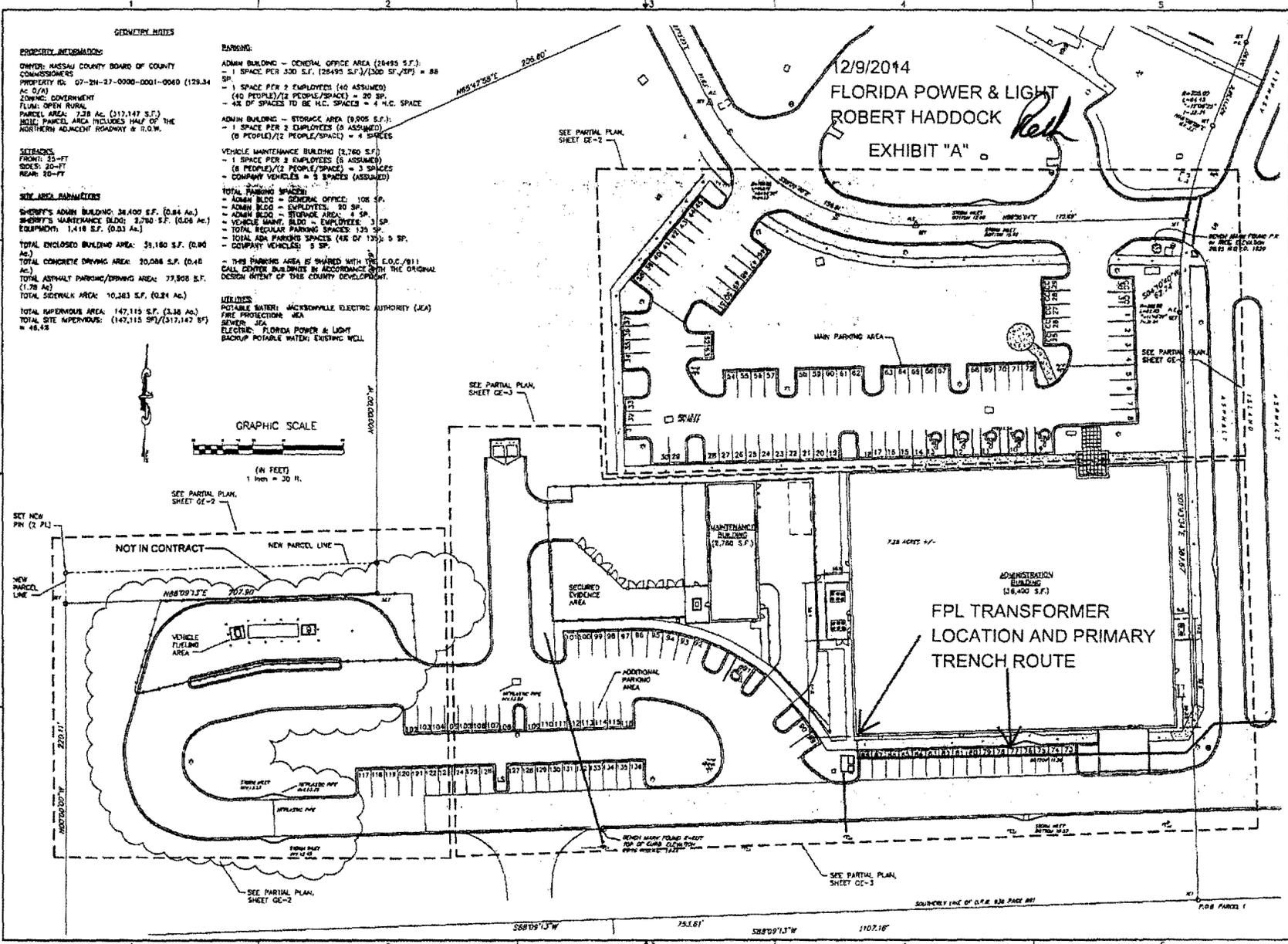
REPRESENTING THE CUSTOMER:

NAME: Ted Selby  
TITLE: County Manager  
TELEPHONE NUMBER: 904, 538-6010  
SIGNATURE: *Ted Selby*

I HEREBY CERTIFY THAT I AM AUTHORIZED TO ACCEPT THESE SPECIFICATIONS ON BEHALF OF FPL:

REPRESENTING THE FPL:

NAME: Robert Haddock TITLE: Senior Technical Specialist  
TELEPHONE NUMBER: 904-225-3003  
SIGNATURE: *Robert Haddock*



**GEOMETRY NOTES**

**PROJECT INFORMATION:**  
OWNER: NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS  
PROPERTY NO: 07-24-27-0000-0001-0060 (129.34 AC 0.7A)  
ZONING: GOVERNMENT  
PLUM: OPEN RURAL  
PARCEL AREA: 728 AC (317,147 S.F.)  
NOTE: PARKING AREA INCLUDES HALF OF THE NORTHERN ADJACENT ROADWAY & R.O.W.

**SETBACKS:**  
FRONT: 35'-FT  
SIDES: 30'-FT  
REAR: 20'-FT

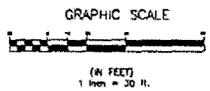
**SITE AREA PARAMETERS:**  
SHERIFF'S ADMIN BUILDING: 34,400 S.F. (0.86 AC.)  
SHERIFF'S MAINTENANCE BLDG: 8,700 S.F. (0.20 AC.)  
EQUIPMENT: 1,418 S.F. (0.21 AC.)  
TOTAL ENCLOSED BUILDING AREA: 35,180 S.F. (0.80 AC.)  
TOTAL CONCRETE DRIVING AREA: 20,088 S.F. (0.46 AC.)  
TOTAL ASPHALT PARKING/DRIVING AREA: 77,908 S.F. (1.78 AC.)  
TOTAL SIDEWALK AREA: 10,383 S.F. (0.24 AC.)  
TOTAL IMPERVIOUS AREA: 147,115 S.F. (3.38 AC.)  
TOTAL SITE IMPERVIOUS: (147,115 S.F./317,147 S.F.) = 46.4%

**UTILITIES:**  
POTABLE WATER: JACKSONVILLE ELECTRIC AUTHORITY (JEA)  
FIRE PROTECTION: JEA  
SEWERS: JEA  
ELECTRIC: FLORIDA POWER & LIGHT  
BACKUP POTABLE WATER: EXISTING WELL

**FINISHING:**  
ADMIN BUILDING - GENERAL OFFICE AREA (28,495 S.F.):  
- 1 SPACE PER 300 S.F. (28,495 S.F./300 S.F./227) = 88  
- 1 SPACE PER 2 EMPLOYEES (40 ASSUMED) (40 PEOPLE/SPACE) = 20 SP.  
- 4% OF SPACES TO BE H.C. SPACES = 4 H.C. SPACE  
ADMIN BUILDING - STORAGE AREA (8,005 S.F.):  
- 1 SPACE PER 2 EMPLOYEES (4 ASSUMED) (8 PEOPLE/SPACE) = 3 SPACES  
- COMPANY VEHICLES = 5 SPACES (ASSUMED)  
VEHICLE MAINTENANCE BUILDING (2,760 S.F.):  
- 1 SPACE PER 2 EMPLOYEES (8 ASSUMED) (8 PEOPLE/SPACE) = 3 SPACES  
- COMPANY VEHICLES = 5 SPACES (ASSUMED)

**TOTAL PARKING SPACES:**  
- ADMIN BLDG - GENERAL OFFICE: 108 SP.  
- ADMIN BLDG - EMPLOYEES: 30 SP.  
- ADMIN BLDG - STORAGE AREA: 4 SP.  
- VEHICLE MAINT. BLDG - EMPLOYEES: 3 SP.  
- TOTAL REGULAR PARKING SPACES: 135 SP.  
- TOTAL ADA PARKING SPACES (4% OF 135): 5 SP.  
- COMPANY VEHICLES: 5 SP.

- THIS PARKING AREA IS SHARED WITH THE E.O.C./B.I. CALL CENTER BUILDING IN ACCORDANCE WITH THE ORIGINAL DESIGN INTENT OF THE COUNTY DEVELOPMENT.



**V.R.I.**  
Architects, Inc.  
444 Palm Avenue  
Jacksonville, Florida  
T (904) 733-2869  
www.vriarchitect.com

PROJECT ENGINEER  
ASA R. GILLETTE, P.E.  
P.L.P.E. NO. 54177

CONSULTING ENGINEERS  
GILLETTE & ASSOCIATES, INC.  
1000 UNIVERSITY BLVD., SUITE 1000  
JACKSONVILLE, FLORIDA 32216  
P. 904-941-1818 F. 904-941-9888  
CERTIFICATE OF AUTHORIZATION NO. 12345

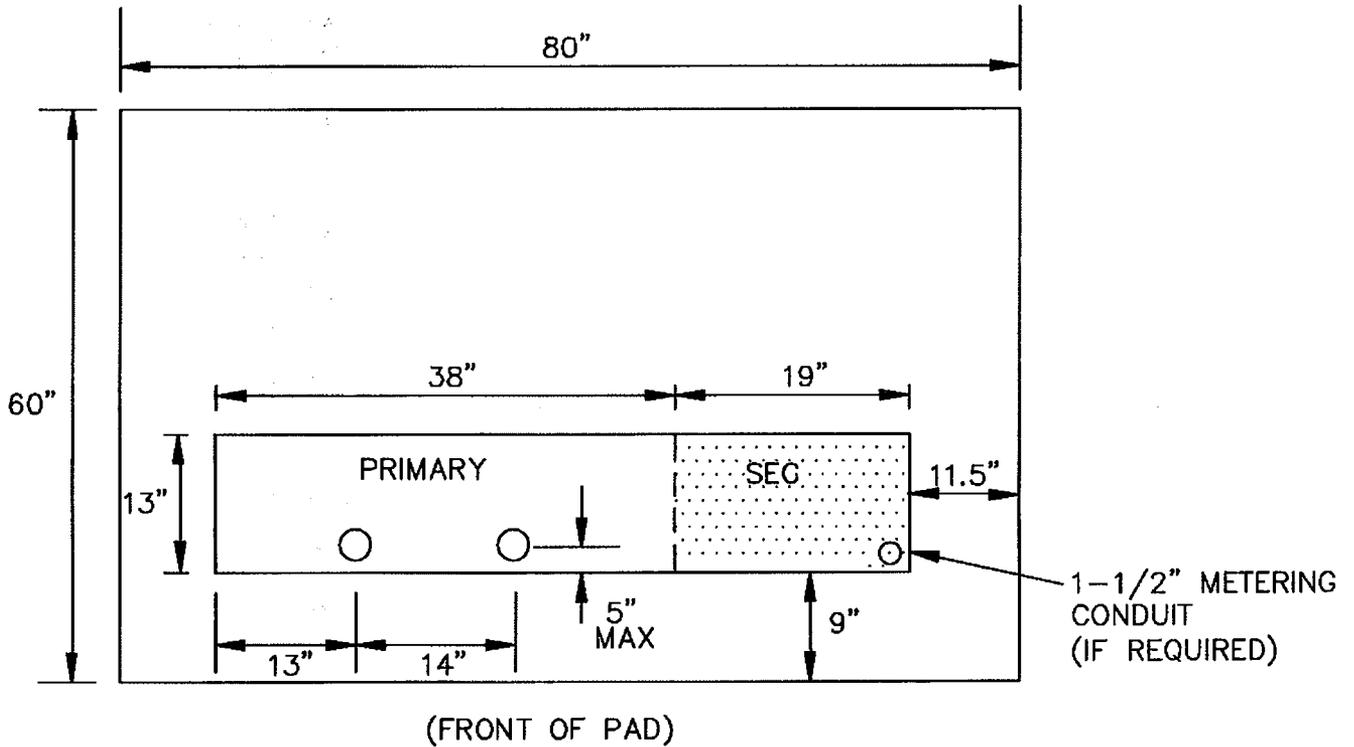
**DESIGN DOCUMENTS**

ISSUE	DATE
D.S.E.	21 Oct 14
FINAL REVIEW	4 Dec 14

NASSAU COUNTY SHERIFFS OFFICE  
ADMINISTRATION BUILDING  
2709 ROBERT E. WILLIAMS DRIVE, YULEE, FLORIDA 32097  
OVERALL GEOMETRY PLAN

V.R.I. PROJECT NO. 1411  
DRAWN BY: ARGUM  
CHECKED BY: AQ  
SHEET NO:  
**GE-1**  
SHEET

VRI Architects hereby expressly reserves the right to this drawing and it is not to be reproduced, copied in any format or manner whatsoever without the permission and consent of VRI Architects.



NOTES:

1. REFERNECE I-70.0.1 OF THE DCS
2. PAD M&S 162-246-800
3. ALL CONDUITS TO EXTEND 3" MAX ABOVE GROUND LEVEL.
4. ALL SECONDARY / CUSTOMER CONDUITS MUST FIT WITHIN THE 19"X13" SHADED AREA INDICATED. WILL HOLD 8-4" CONDUIT MAX.
5. ALL CONDUIT RELATED DIMENSIONS ARE TO BE CENTER OF THE DUCT
6. MAINTAIN 8' CLEARANCE FROM FRONT AND 3' CLEARANCE FROM SIDES AND BACK OF TRANSFORMER PAD.



OH & UG DISTRIBUTION SYSTEM STANDARDS

ORIGINATOR: SMS

DRAWN BY: BILL

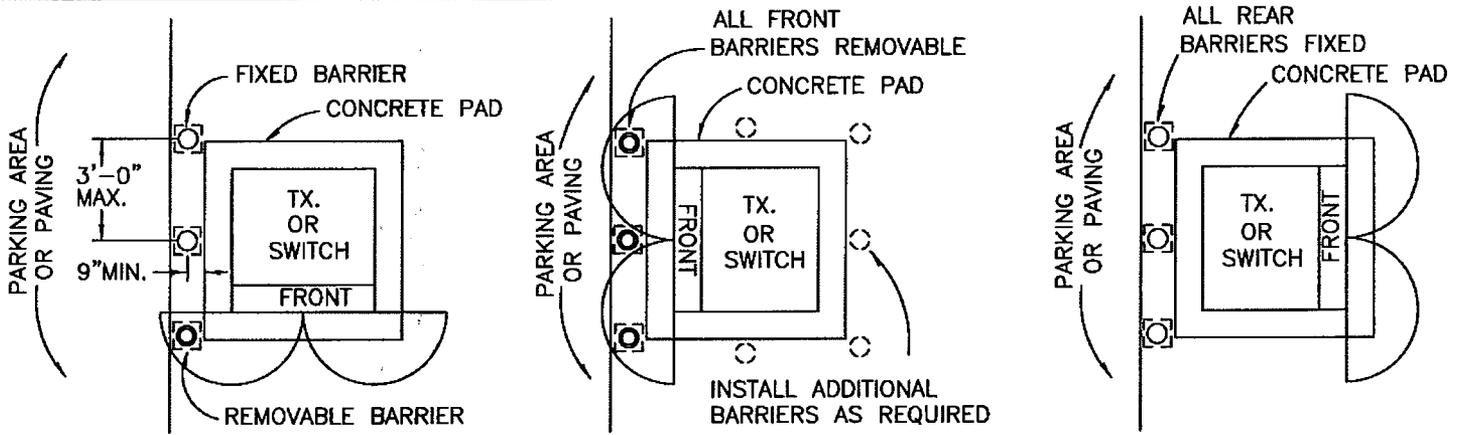
DATE:

APPROVED: J.J. MCEVOY

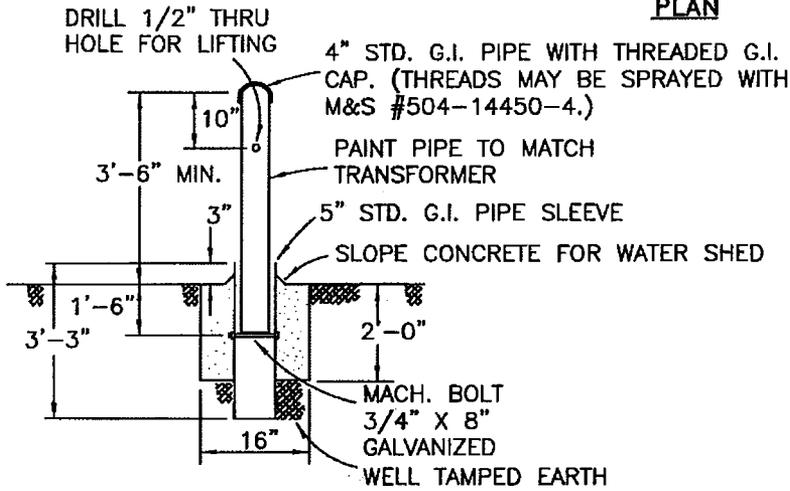
NO SCALE

SUPERVISOR, OH/UG PRODUCT  
 SUPPORT SERVICES

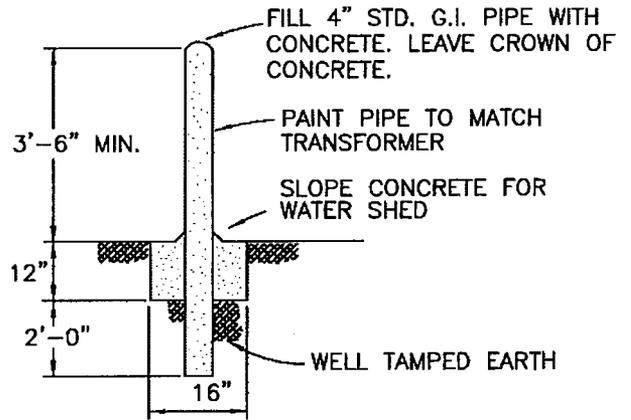
NO.	DATE	REVISION	ORIG.	DRAWN	APPR.
2	9/2/09	UPDATE DRAWING NOTE	GAP	ELS	AEL
1	05/29/02	UPDATE DRAWING (NOTE 4)	RAP	JES	JJM



PLAN

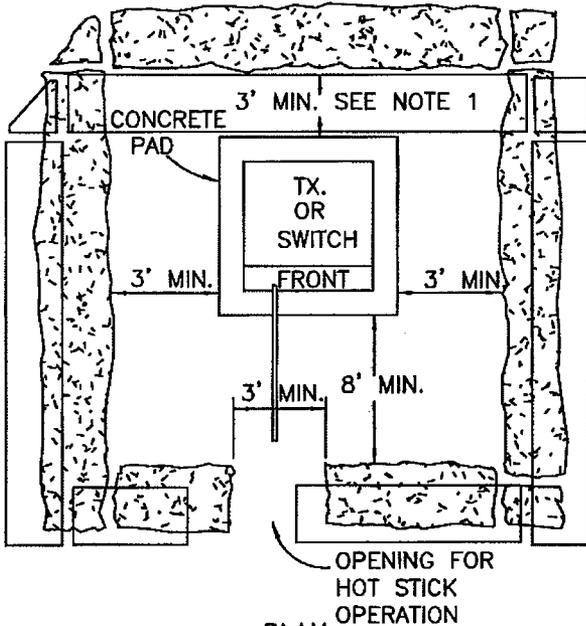


REMOVABLE BARRIER



FIXED BARRIER

SECTION



PLAN

NOTE

- PADMOUNTED SWITCHES AND CAPACITOR BANKS REQUIRE 8' MIN. CLEARANCE FRONT AND REAR.
- "ELECTRIC EQUIPMENT - KEEP OUT" DECAL THAT SHOWS THE MINIMUM SEPERATION DISTANCES FOR BUSHES FROM TRANSFORMERS IS M&S #548-560-101.



OH & UG DISTRIBUTION SYSTEM STANDARDS

3	9/17/13	UPDATE DRAWING (NOTES)	JJR	ELS	WM
2	7/16/01	UPDATE DRAWING (NOTES)	RAP	JES	JJM
1	8/27/99	UPDATE DRAWING (NOTES)	RAP	JES	JJM
0	9/30/94	ORIGINAL DRAWING	CJM	PMG	RJS
NO.	DATE	REVISION	ORIG.	DRAWN	APPR.

ORIGINATOR: CJM

DRAWN BY: PTH

DATE: 9/30/94

APPROVED: R.J. SALESKY  
DIRECTOR, DISTRIBUTION ENGINEERING AND OPERATIONS SERVICES

NO SCALE



# Electric Service Standards

DATE  
10-09-14

PREPARED BY

SUBJECT

SECTION: PAGE

Delivery Assurance –  
Design Support

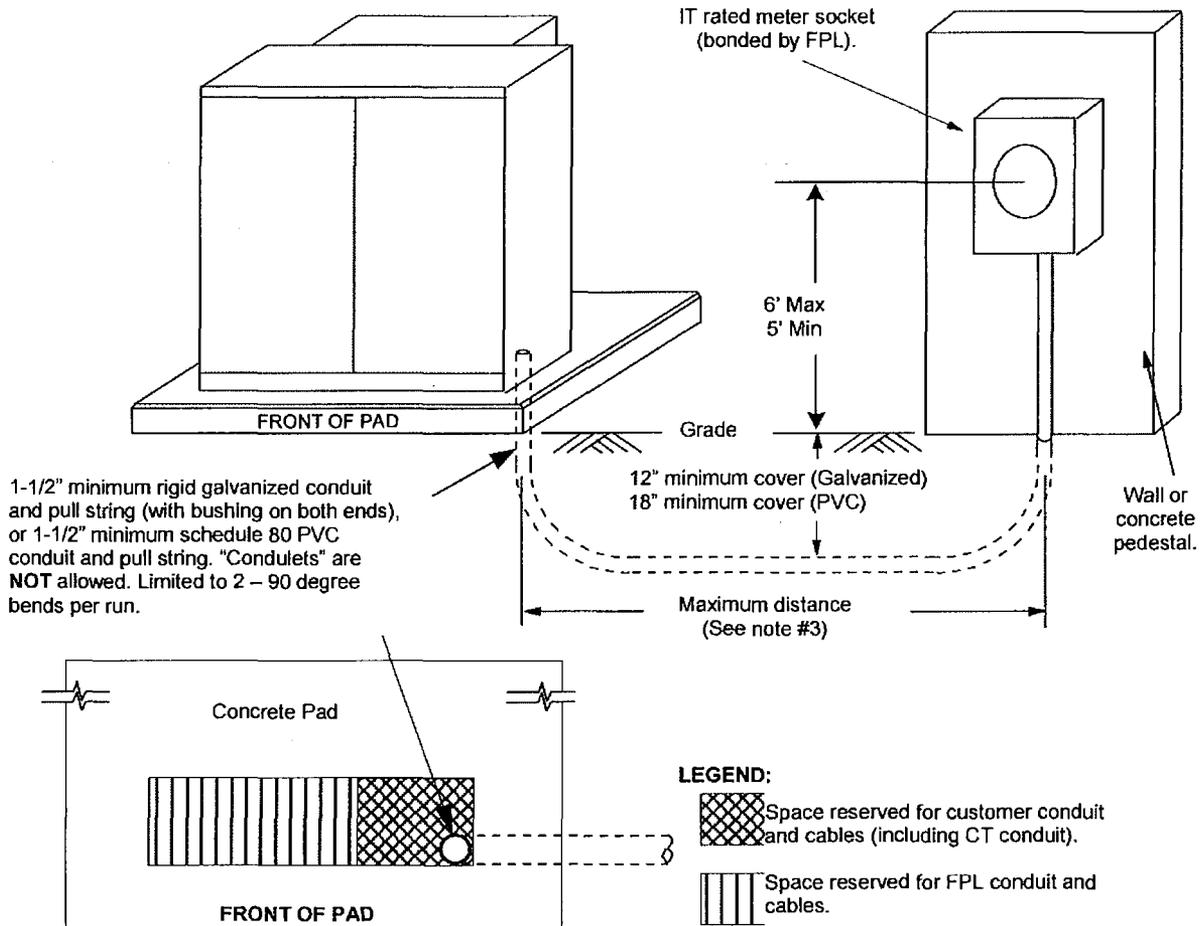
## VI. METERING EQUIPMENT

VI - 7 of 17

### FIGURE VI-2 CT Metering Configuration 6 - CTs in Padmounted Transformer or Vault

1. IT rated meter socket provided and installed by customer: \_\_\_\_\_ 1 ph or \_\_\_\_\_ 3 ph (check one)
2. Current transformers (CTs) provided and installed in padmounted transformer by FPL.
3. 1-1/2" minimum rigid galvanized or Schedule 80 PVC conduit with pull string installed between meter socket and padmounted transformer provided and installed by customer. Condulets are NOT allowed, and limited to 2 – 90 degree bends per run. For **maximum distance between transformer and meter socket, see table below.**
4. Restricted to one customer per padmounted transformer. Exceptions **must** be approved by FPL.
5. CT ratio determined by FPL.

CT Ratio	Max Amps	Max Distance (feet)	Max Cable Length (feet)
✓ Ratio			
300:5	600	10	20
600:5	1200	40	50
1200:5	2400	40	50
2000:5	3000	40	50





# Florida Power & Light



## Approved Transformer Rated Equipment

08/20/2013

Note: Instrument Transformer Rated Meter Sockets and Cabinets on this list are only approved for use in the FPL Service Area. Before purchase, please contact you FPL Representative. Instrument Transformer Metering must be approved by FPL.

### INSTRUMENT RATED METER SOCKETS

Manufacture	Amps	Catalog Number	Phase	Service	Pos	Term	Test	Switch	Config
Meter Devices	20	602U3010C13-387 (TUV Steel)	3	Ov/Un	1	13	Y		6-12
Meter Devices	20	602U3010C6-388 (Q6 Steel)	1	Ov/Un	1	6	Y		6-12
Meter Devices	20	605U8010C13-934 (TUV Steel Snap 2)	3	Ov/Un	1	13	Y		6-12
Meter Devices	20	652U3010C13-387 (TUV Alum)	3	Ov/Un	1	13	Y		6-12
Meter Devices	20	652U3010C6-388 (Q6 Alum)	1	Ov/Un	1	6	Y		6-12
Meter Devices	20	655U8010C13-934 (TUV Alum Snap 2)	3	Ov/Un	1	13	Y		6-12
Landis & Gyr/Talon	20	9837-0422 (PTS-6 Aluminum)	1	Ov/Un	1	6	Y		6-12
Landis & Gyr/Talon	20	9837-0423 (PTS-6 Steel)	1	Ov/Un	1	6	Y		6-12
Landis & Gyr/Talon	20	9837-0424 (PTS-13 Alum)	3	Ov/Un	1	13	Y		6-12
Landis & Gyr/Talon	20	9837-0425 (PTS-13 Steel)	3	Ov/Un	1	13	Y		6-12
Anchor	20	RTSA13-13-FP&L (Alum)	3	Ov/Un	1	13	Y		6-12
Anchor	20	RTSA6-73-FP&L (Alum)	1	Ov/Un	1	6	Y		6-12
Anchor	20	RTSS13-13-FP&L (Steel)	3	Ov/Un	1	13	Y		6-12
Anchor	20	RTSS6-73-FP&L (Steel)	1	Ov/Un	1	6	Y		6-12
Cooper B-Line	20	ST02063NIAL1F (Q6 ALUM)	1	Ov/Un	1	6	Y		6-12
Cooper B-Line	20	ST02063NIGR1F (Q6 STEEL)	1	Ov/Un	1	6	Y		6-12
Cooper B-Line	20	ST02133NIAL1F (TUV ALUM)	3	Ov/Un	1	13	Y		6-12
Cooper B-Line	20	ST02133NIGR1F (TUV STEEL)	3	Ov/Un	1	13	Y		6-12
Milbank	20	UAPC4511 (Q6 Alum)	1	Ov/Un	1	6	Y		6-12
Milbank	20	UAPC4512 (TUV Alum)	3	Ov/Un	1	13	Y		6-12
Milbank	20	UC4511 (Q6 Steel)	1	Ov/Un	1	6	Y		6-12
Milbank	20	UC4512 (TUV Steel)	3	Ov/Un	1	13	Y		6-12