

PART 2 PACKAGE

RIVERTOWN WATER TREATMENT PLANT



VOLUME V - FPL ELECTRICAL POWER INFRASTRUCTURE

Cover Sheet: WR#10033532

Page 1 of 3

[] INACCESSIBLE

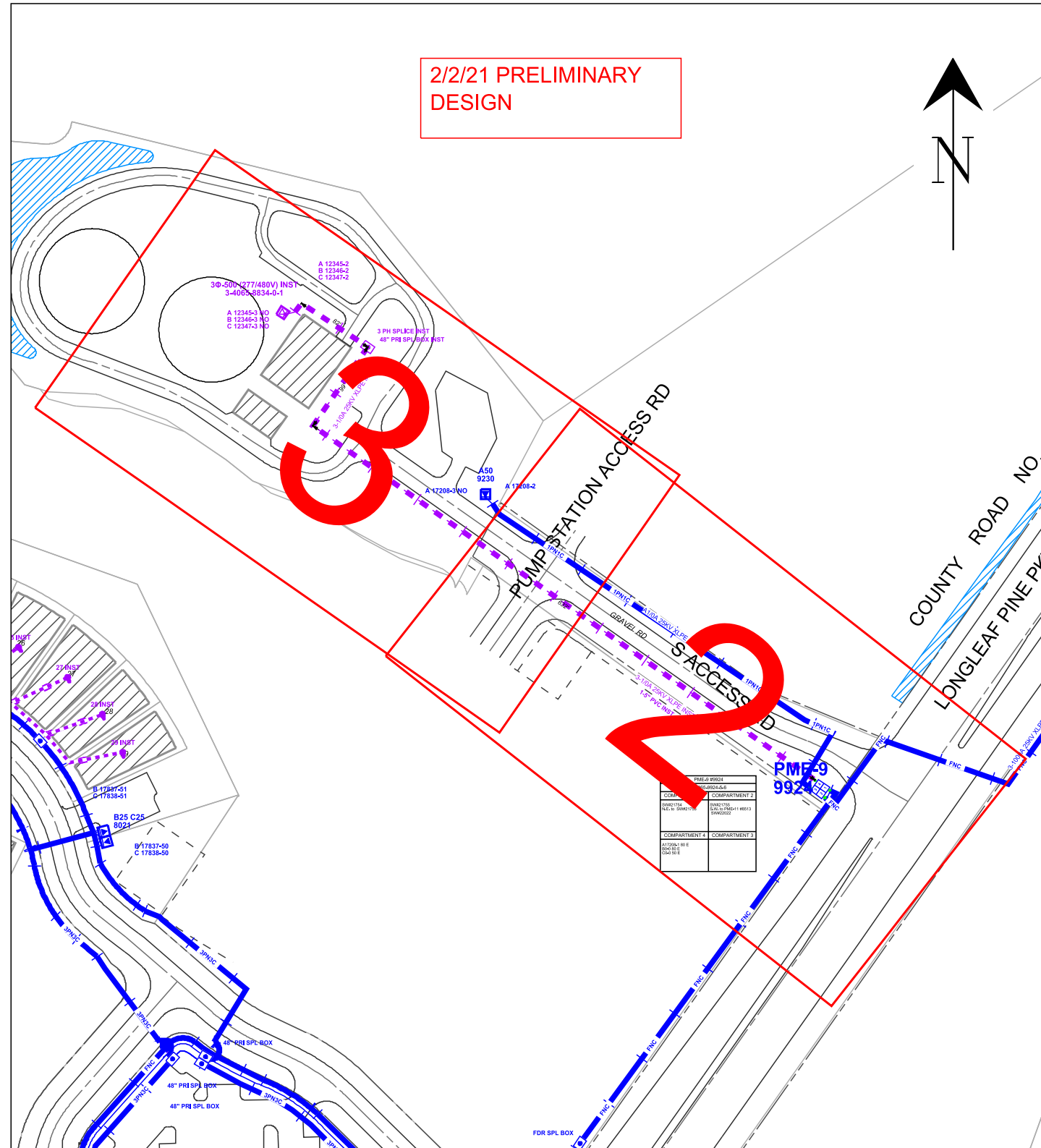
[] 13KV

[] FUTURE 23KV

[X] 23KV

[] SALT SPRAY

[] ROCK



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CAUTION

- THIS DRAWING IS MERELY AN APPROXIMATION. EXACT LOCATION OF FPL COMPANY UNDERGROUND FACILITIES MUST BE DETERMINED PRIOR TO ANY SUBSURFACE OPERATIONS IN THIS AREA.
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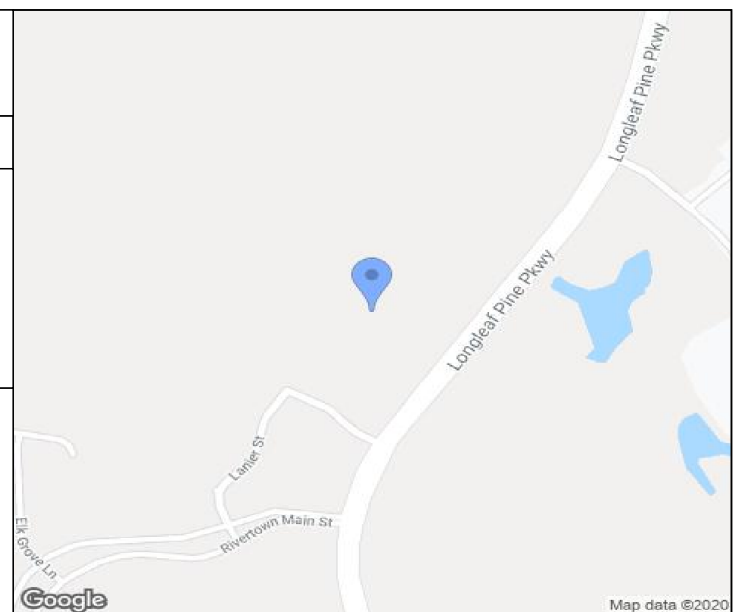
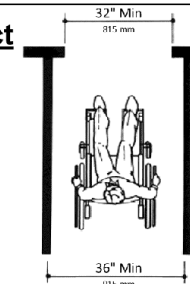
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CALL 811 (Sunshine811) PRIOR TO ANY EXCAVATION ACTIVITIES

**CALL SUNSHINE #811
48 HOURS BEFORE YOU DIG
LOCATE MARKINGS COLOR CODE**

RED	ELECTRIC	BLUE	WATER
YELLOW	GAS-OIL-STEAM	GREEN	SEWER
PINK	TEMP. SURVEY MARKINGS	ORANGE	CABLE TV
WHITE	PROPOSED EXCAVATION		

American Disabilities Act

If pole placement location does not meet the minimum single point distance of 32" from edge of curb or back of sidewalk, contact your Production Lead, for further instructions.



CONSTRUCTION NOTES:

REQUIRED DRAWINGS:
3R105560
3S1055602
6701580_18X24 UG.PDF

TRENCH:
- CENTERLINE OF TRENCH IS 5 FT OUTSIDE R/W EASEMENT:
- 10 FEET FRONT, 5 FEET SIDE, 8 FEET REAR
- MAINTAIN A MINIMUM OF 12" SEPERATON FROM ALL OTHER UTILITIES
- INSTALL #12C WIRE ALONGSIDE EMPTY COUNDUIT RUNS
- EXTEND PVC 10FT FROM TX FOR FUTURE SERVICES
- CUSTOMER INSTALLED CONDUIT: ALL CABLE:
- 1PN1C IS 1CC #1/0A 25KV-XLPE IN 1-2" PVC WITH 36" MIN COVER
- SECONDARY IS #4/0 TPX HM-HD IN 1-2" PVC WITH 24" MIN COVER (UNLESS NOTED)
- ALL CABLE AND/OR CONDUIT ENDS ARE TO BE MARKED WITH AN ELECTRONIC MARKER
- (XXX') DENOTES CABLE PULL DISTANCE
- UNDERGROUND OBSTRUCTIONS ARE TO BE LOCATED PRIOR TO DIGGING
- INSTALL NEUTRAL BOND FOR COMMUNICATION COMPANIES AT ALL SINGLE PHASE TRANSFORMERS PER D.C.S. G-11.0.0
- ALL HANDHOLES ARE 24" (UNLESS NOTED)
- EXTEND SERVICE PVC 10 ft INTO CUSTOMER PROPERTY FUSING:
- FUSE ALL PHASES AT 50K
STREET LIGHTS:
- STREET LIGHTS ARE 9500L HPSV TRADITIONAL ON 20 FT FIBERGLASS POLES - FPL OWNED AND MAINTAINED



Easement? []	Tree Work? []	Tree Access? []	Tree Staking Req'd? []
Designer/Stake? []	CT/Special Mtr? []	Work with SMO? []	Survey/Stake? []
POLE LINE FT:	POLE LINE FT. ON TRANSM. POLES:	TRENCH FT:	DUCT BANK FT:
PERMIT REQ'D	CITY []	COUNTY RD []	COUNTY AIR []
	WMD []	RR XING []	DR. DIST. []
		TRANS. []	
Requested Tel. Co. Set Poles? []	Requested Tel. Co. Transfer? []	Request CATV Transfer? []	



Job Owner:	Jessica Lonas	M/A: NF	Township: 05 Range: 27 Section 39
Designer:	Jessica Lonas	INST PRIMARY & PMTX FOR WATER TREATMENT PLANT 7612 LONGLEAF PINE PKWY	
Date:	02/02/2021	7612 LONGLEAF PINE PKWY, JACKSONVILLE, 32259	
Scale: 1" = 143'		Dwg No. 10033532_11x17 UG.xml	Map No. GM1111
0' 143' 286'		WR: 10033532	Page 1 of 3



PUMP STATION ACCESS RD

632

GRAVEL RD

A1/0A 25KV XLPE 11C

S ACCESS RD

1PN1C

PME-9
9924



ENC

FNC

LONG

PAGE 3

Easement? []		Tree Work? []		Tree Access? []		Tree Staking Req'd? []	
Designer/Stake? []		CT/Special Mtr? []		Work with SMO? []		Survey/Stake? []	
POLE LINE FT:		POLE LINE FT. ON TRANSM. POLES:		TRENCH FT:		DUCT BANK FT:	
PERMIT REQ'D	CITY []	COUNTY RD []	COUNTY AIR []	STATE RD []	FAA []		
	WMD []	RR XING []	DR. DIST. []	TRANSM. []			
Requested Tel. Co. Set Poles? []			Requested Tel. Co. Transfer? []			Request CATV Transfer? []	

	Job Owner:	Jessica Lonas	M/A: NF	Township: 05 Range: 27 Section 39	
	Designer:	Jessica Lonas	INST PRIMARY & PMTX FOR WATER TREATMENT PLANT 7612 LONGLEAF PINE PKWY		
	Date:	02/02/2021			
	Scale: 1" = 40'		7612 LONGLEAF PINE PKWY, JACKSONVILLE, 32259		
	0'	40'	80'	Dwg No. 10033532_11x17 UG.xml	Map No. GM1111
				WR: 10033532	Page 2 of 3



FEEDERS:

</

Size: 11 x 17

PRINTED BY: j10e60

PLOT DATE/TIME: 02/02/2021 09:48:48

FEEDERS: RIVERTON 05764

[] INACCESSIBLE

[] 13KV

[] FUTURE 23KV

[X] 23KV

[] SALT SPRAY

[] ROCK



2/2/21 PRELIMINARY
DESIGN



FDR
SPL BOX

PME-9 #0627	
3-4165-0627-1-6	
COMPARTMENT 1	COMPARTMENT 2
SW#123 N.E. to SW#21753	SW#123 S.W. to PME-9 #9924 SW#21754
COMPARTMENT 4	COMPARTMENT 3
A0-0 50 E B0-0 50 E C0-0 50 E	A12345-1 80 E B12346-1 80 E C12347-1 80 E

PME-9 INST
0627

FDR SPL BOX

A 12345-3 NO
B 12346-3 NO
C 12347-3 NO

A 12345-2
B 12346-2
C 12347-2

3Φ-150 (277/480V) INST
3-4165-0724-1-0

Feet of ground rod installed _____
Ground Resistance (Ohms) _____

CALL SUNSHINE #811 48 HOURS BEFORE YOU DIG LOCATE MARKINGS COLOR CODE			
RED	ELECTRIC	BLUE	WATER
YELLOW	GAS-OIL-STEAM	GREEN	SEWER
PINK	TEMP. SURVEY MARKINGS	ORANGE	CABLE TV
WHITE	PROPOSED EXCAVATION		



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ACTIVITIES

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CONSTRUCTION NOTES:

REQ'D DWGS:

3R1055600
3R1055601
3S1055602

LOC 1:
-CUT IN 2 WAY SW CABINET

SPAN 1-2:
-INST 1/0 TPX PRIMARY CABLE
-CUST TO INST 5" PIPE

LOC 2:
-INST 150KVA 277/480 PMTX

AS-BUILT CREW PRINT

AS-BUILT COPY

Foreman's Signature _____ Date _____

Initials _____ Cert. Date _____

Job CERTIFIED COMPLETED as shown on this AS-BUILT print.
Material changes shown on ROS.

Supervisor's Signature _____ Date _____

All required ground rods have been driven & verified to be within FPL
standards. Values are shown at all locations.

Foreman's Signature _____ Date _____

Easement? []	Tree Work? []	Tree Access? []	Tree Staking Req'd? []
Designer/Stake? []	CT/Special Mtr? []	Work with SMO? []	Survey/Stake? []
POLE LINE FT:	POLE LINE FT. ON TRANSM. POLES:	TRENCH FT:	DUCT BANK FT:
PERMIT REQ'D	CITY [] COUNTY RD [] COUNTY AIR [] STATE RD [] FAA []		
	WMD [] RR XING [] DR. DIST. [] TRANSM. []		
Requested Tel. Co. Set Poles? []	Requested Tel. Co. Transfer? []	Request CATV Transfer? []	



Job Owner:	Jessica Lonas	M/A: NF	Township: 05 Range: 27 Section 39
Designer:	Jessica Lonas	INST SW CABINET & PMTX FOR WELL SITE 2 V/O 7612 LONGLEAF PINE PKWY	
Date:	02/02/2021	V/O LONGLEAF PINE PKWY, JACKSONVILLE, 32259	
Scale: 1" = 48'		Dwg No. 10033537_11x17.xml	
0' 48' 96'		Map No. GM1111	
		WR: 10033537	
		Page 1 of 1	

Cover Sheet: WR#10033539

Page 1 of 3

☐ INACCESSIBLE

☐ 13KV

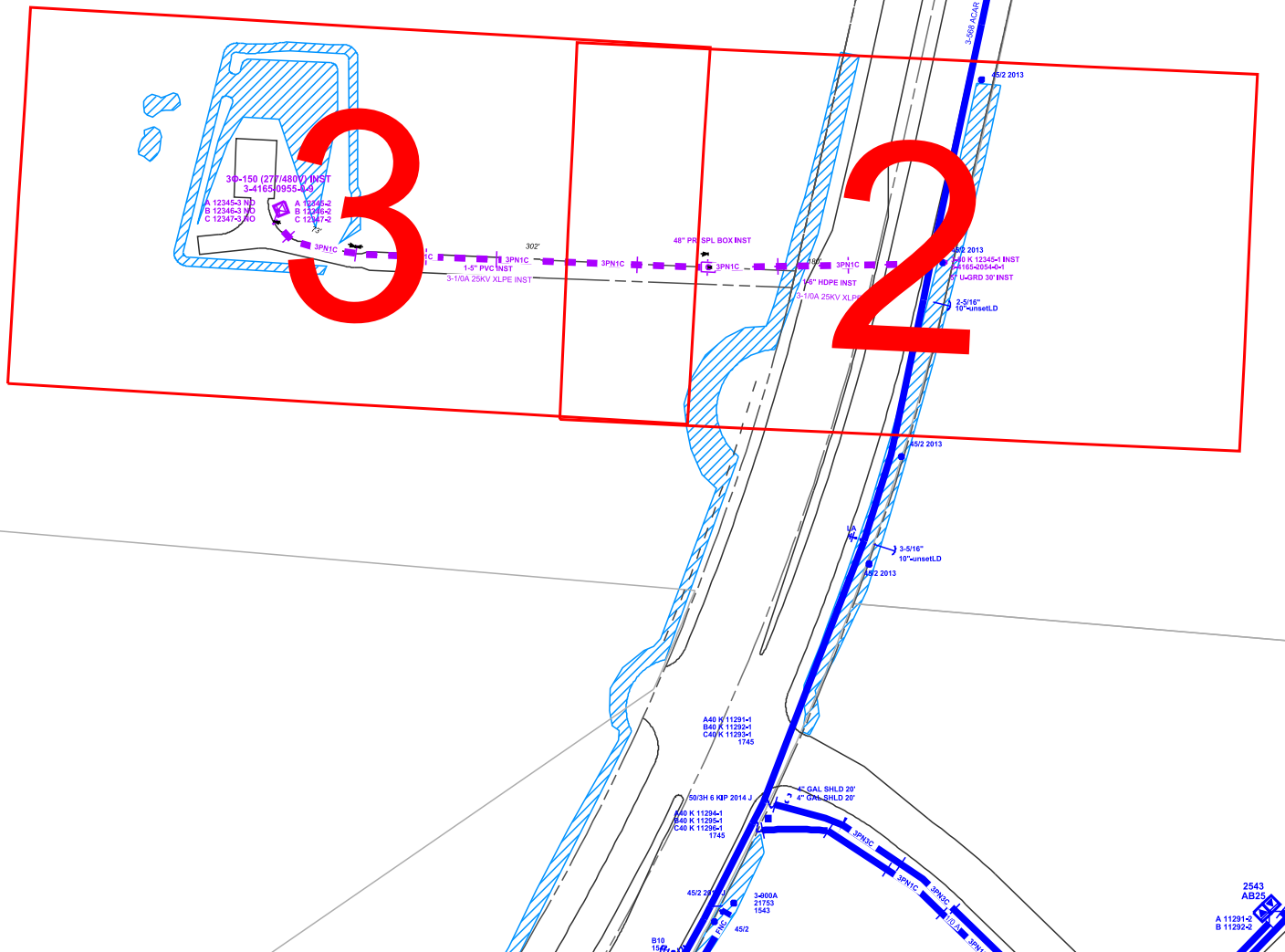
☐ FUTURE 23KV

☒ 23KV

☐ SALT SPRAY

☐ ROCK

2/2/21 PRELIMINARY
DESIGN



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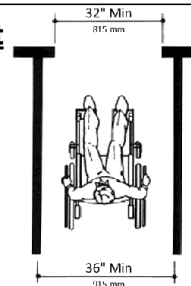
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LOCATE MARKINGS COLOR CODE**

RED	ELECTRIC	BLUE	WATER
YELLOW	GAS-OIL-STEAM	GREEN	SEWER
PINK	TEMP. SURVEY MARKINGS	ORANGE	CABLE TV
WHITE	PROPOSED EXCAVATION		

American Disabilities Act

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CONSTRUCTION NOTES:

REQUIRED DRAWINGS:

3R1055601
3S1055602

TRENCH:

- CENTERLINE OF TRENCH IS 5 FT OUTSIDE R/W EASEMENT:

- 10 FEET FRONT, 5 FEET SIDE, 8 FEET REAR
- MAINTAIN A MINIMUM OF 12" SEPERATON FROM ALL OTHER UTILITIES

- INSTALL #12C WIRE ALONGSIDE EMPTY COUNDUIT RUNS
- EXTEND PVC 10FT FROM TX FOR FUTURE SERVICES
- CUSTOMER INSTALLED CONDUIT: ALL CABLE:

- 1PN1C IS 1CC #1/0A 25KV-XLPE IN 1-2" PVC WITH 36" MIN COVER

- SECONDARY IS #4/0 TPX HM-HD IN 1-2" PVC WITH 24" MIN COVER (UNLESS NOTED)

- ALL CABLE AND/OR CONDUIT ENDS ARE TO BE MARKED WITH AN ELECTRONIC MARKER

- (XXX') DENOTES CABLE PULL DISTANCE

- UNDERGROUND OBSTRUCTIONS ARE TO BE LOCATED PRIOR TO DIGGING

- INSTALL NEUTRAL BOND FOR COMMUNICATION COMPANIES AT ALL SINGLE PHASE TRANSFORMERS PER D.C.S.

G-11.0.0

- ALL HANDHOLES ARE 24" (UNLESS NOTED)

- ALL TRANSFORMERS ARE LOW STYLE (UNLESS NOTED)

- EXTEND SERVICE PVC 10 ft INTO CUSTOMER PROPERTY FUSING:

- FUSE ALL PHASES AT 50K


STREET LIGHTS:

- STREET LIGHTS ARE 9500L HPSV TRADITIONAL ON 20 FT FIBERGLASS POLES - FPL OWNED AND MAINTAINED



Easement? []		Tree Work? []		Tree Access? []		Tree Staking Req'd? []	
Designer/Stake? []		CT/Special Mtr? []		Work with SMO? []		Survey/Stake? []	
POLE LINE FT:		POLE LINE FT. ON TRANSM. POLES:		TRENCH FT:		DUCT BANK FT:	
PERMIT REQ'D	CITY []	COUNTY RD []	COUNTY AIR []	STATE RD []	FAA []		
	WMD []	RR XING []	DR. DIST. []	TRANSM. []			
Requested Tel. Co. Set Poles? []			Requested Tel. Co. Transfer? []			Request CATV Transfer? []	



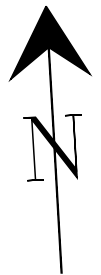
Job Owner:	Jessica Lonas	M/A: NF	Township: 05 Range: 27 Section 39	
Designer:	Jessica Lonas	INST PRIMARY & PMTX FOR WELL SITE 3 V/O 7612 LONGLEAF PINE PKWY		
Date:	02/19/2021			
Scale: 1" = 150'		V/O LONGLEAF PINE PKWY, JACKSONVILLE, 32259		
0'	150'	300'	Dwg No. 10033539_11x17 UG.xml	Map No. GJ1111
			WR: 10033539	Page 1 of 3



2-3/10
10"-unsetLD

CALL SUNSHINE #811			
48 HOURS BEFORE YOU DIG			
LOCATE MARKINGS COLOR CODE			
RED	ELECTRIC	BLUE	WATER
YELLOW	GAS-OIL-STEAM	GREEN	SEWER
PINK	TEMP. SURVEY MARKINGS	ORANGE	CABLE TV
WHITE	PROPOSED EXCAVATION		

[illegible]



3Φ-150 (277/480V) INST
3-4165-0955-0-9

A 12345-3 NO
B 12346-3 NO
C 12347-3 NO

A 12345-2
B 12346-2
C 12347-2

73'

3PN1C

3PN1C

302'

1-5" PVC INST

3-1/0A 25KV XLPE INST

CALL SUNSHINE #811	
48 HOURS BEFORE YOU DIG	
LOCATE MARKINGS COLOR CODE	
RED	ELECTRIC
YELLOW	GAS-OIL-STEAM
PINK	TEMP. SURVEY MARKINGS
WHITE	PROPOSED EXCAVATION
BLUE	WATER
GREEN	SEWER
ORANGE	CABLE TV


Feet of ground rod installed _____
Ground Resistance (Ohms) _____

IPC	DATE
1	
2	
3	
4	

AS-BUILT CREW PRINT		AS-BUILT COPY	
_____ Foreman's Signature	_____ Date	_____ Initials	_____ Cert. Date
<p>Job CERTIFIED COMPLETED as shown on this AS-BUILT print. Material changes shown on ROS.</p>			
_____ Supervisor's Signature		_____ Date	
<p>All required ground rods have been driven & verified to be within FPL standards. Values are shown at all locations.</p>			
_____ Foreman's Signature		_____ Date	

Easement? []		Tree Work? []		Tree Access? []		Tree Staking Req'd? []	
Designer/Stake? []		CT/Special Mtr? []		Work with SMO? []		Survey/Stake? []	
POLE LINE FT:		POLE LINE FT. ON TRANSM. POLES:		TRENCH FT:		DUCT BANK FT:	
PERMIT REQ'D	CITY []	COUNTY RD []	COUNTY AIR []	STATE RD []	FAA []		
	WMD []	RR XING []	DR. DIST. []	TRANSM. []			
Requested Tel. Co. Set Poles? []			Requested Tel. Co. Transfer? []			Request CATV Transfer? []	



Job Owner:	Jessica Lonas	M/A: NF	Township: 05 Range: 27 Section 39	
Designer:	Jessica Lonas	INST PRIMARY & PMTX FOR WELL SITE 3 V/O 7612 LONGLEAF PINE PKWY		
Date:	02/19/2021			
Scale: 1" = 40'		V/O LONGLEAF PINE PKWY, JACKSONVILLE, 32259		
0'	40'	80'	Dwg No. 10033539_11x17 UG.xml	Map No. GM1111
			WR: 10033539	Page 3 of 3