



August 11, 2023

Anjuli Panse, PE
Village of Wellington
12300 Forest Hill Boulevard
Wellington, FL 33414

Re: CCOR 11 – Wells 19 & 20 Overhead Power Conversion Rev 2
Village of Wellington WTP Wells VFD Retrofit

Dear Mrs. Panse:

We have developed Proposal Summary No. 11 for costs associated with converting overhead to underground power on 50th street between Wells 19 and 20, and sod restoration, as requested by the Village of Wellington. Included in the proposal is the cost of furnishing all necessary materials, labor, equipment, tools, supervision, and subcontractor costs required for the specified scope of work.

Attached to this letter you will find our detailed Proposal Summary for the amount of **\$124,169.33** with all associated back-up documentation.

Clarifications to this proposal are as follows:

- Cost to be billed under Allowance No. 10 – Allowance for Wells No. 19, 20, 23 FPL Underground
- Sod restoration is included
- Equipment for sod irrigation is included. It is assumed that water will be provided by the Village of Wellington
- Density testing is not included. If required, testing will be billed against Allowance No. 1 – Independent Testing
- An additional 56 calendar days is being requested as part of this proposal.

Please do not hesitate to call if you should have any questions or wish to discuss this matter further.

Sincerely,
Wharton-Smith, Inc.

Eliana Corie
Project Manager

C.c.: File 21-097 VOW Wells VFD Retrofit\C-05 OwnerContract-COs



CHANGE ORDER COST PROPOSAL NO. 011

Revision 02

The Village of Wellington
PROPOSAL SUMMARY

8/11/2023

#	DESCRIPTION	NOTES
1	Furnish all necessary labor, materials, tools, equipment, and supervision required to install FPL provided conduit and	
2	one (1) feeder splice box to convert overhead power to underground on 50th street between Wells 19 and 20, and sod	
3	restoration, as required by the Village of Wellington.	
4		
5		
6		
7		
8		
9		
10	The duration for the additional work outlined in this proposal is <u>53</u> calendar days.	
11	The Contract Time Extension due to this Change Order is 56 calendar days.	
12	MATERIALS	TOTAL
13	From Page 2	\$ 6,000.00
14	* 6% State Tax	Tax 6.00% \$ 410.00 \$ 6,410.00 7% on 1st \$5,000.00
15		Markup 9.0% \$ 576.90 \$ 6,986.90
16		\$ 6,986.90
17		
18	LABOR	HRS
19	From Page 3	903
20		AVG \$ / HR \$ 45.00
21		Markup 9.0% \$ 3,657.15 \$ 44,292.15
22		\$ 44,292.15
23	TOOLS & EQUIPMENT	TOTAL
24	From Page 4	\$ 61,751.82
25	* 6% State Tax	Tax 0.00% \$ - \$ 61,751.82 Includes tax
26		Markup 9.0% \$ 5,557.66 \$ 67,309.48
27		\$ 67,309.48
28		
29	SUBCONTRACTS	TOTAL
30	From Page 5	\$ 5,120.00
31		\$ -
32		
33		
34		Subtotal \$ 5,120.00
35		Markup 9.0% \$ 460.80 \$ 5,580.80
36		\$ 5,580.80
37		
38	OTHER	QTY
39	Extended Overhead	Days * Cost Per Day \$ - \$ -
40	Additional Insurance	M + L + T&E + S \$ 124,169.33
41	Additional Bond	M + L + T&E + S \$ 124,169.33
42		Subtotal \$ -
43		Markup 9.0% \$ - \$ -
44		\$ -
45		
46	FINAL QUOTE TOTAL	TOTAL
47		\$ 124,169.33
48		
49		\$ 124,169.33

CHANGE ORDER COST PROPOSAL NO. 011

Revision 02



The Village of Wellington

MATERIAL ESTIMATE

#	MATERIALS	INV	QTY	UNIT	UNIT RATE	TOTAL	NOTES
1	Misc. Material (Tracer wire, warning tape, PVC cement, etc.)		1	LS	\$ 6,000.00	\$ 6,000.00	
2						\$ -	
3						\$ -	
4						\$ -	
5						\$ -	
6						\$ -	
7						\$ -	
8						\$ -	
9						\$ -	
10						\$ -	
11						\$ -	
12						\$ -	
13						\$ -	
14						\$ -	
15						\$ -	
16						\$ -	
17						\$ -	
18						\$ -	
19						\$ -	
20						\$ -	
21						\$ -	
22						\$ -	
23						\$ -	
24						\$ -	
25						\$ -	
26						\$ -	
27						\$ -	
28						\$ -	
29						\$ -	
30						\$ -	
31						\$ -	
32						\$ -	
33						\$ -	
34						\$ -	
35						\$ -	
36						\$ -	
37						\$ -	
38	MATERIAL SUBTOTAL					TOTAL	
39						\$ 6,000.00	
40					\$	6,000.00	

Revision 02

#		LABOR	HRS		RATE		COST			NOTES
			ST	OT	ST	OT	ST	OT	TOTAL	
1		Superintendent	0		\$ 93.00	\$ 139.50	\$ -	\$ -	\$ -	
2		Asst. Superintendent	0		\$ 85.00	\$ 127.50	\$ -	\$ -	\$ -	
3		Surveyor	0		\$ 55.00	\$ 82.50	\$ -	\$ -	\$ -	
4		Craft Foreman	301		\$ 55.00	\$ 82.50	\$ 16,555.00	\$ -	\$ 16,555.00	
5		Operator	0		\$ 40.00	\$ 60.00	\$ -	\$ -	\$ -	
6		Rodbuster	0		\$ 40.00	\$ 60.00	\$ -	\$ -	\$ -	
7		Carpenter	0		\$ 40.00	\$ 60.00	\$ -	\$ -	\$ -	
8		Pipefitter	0		\$ 40.00	\$ 60.00	\$ -	\$ -	\$ -	
9		Plumber	0		\$ 40.00	\$ 60.00	\$ -	\$ -	\$ -	
10		Finisher	0		\$ 40.00	\$ 60.00	\$ -	\$ -	\$ -	
11		Laborer	602		\$ 40.00	\$ 60.00	\$ 24,080.00	\$ -	\$ 24,080.00	
12						\$ -	\$ -	\$ -	\$ -	
13						\$ -	\$ -	\$ -	\$ -	
14						\$ -	\$ -	\$ -	\$ -	
15						\$ -	\$ -	\$ -	\$ -	
16						\$ -	\$ -	\$ -	\$ -	
17						\$ -	\$ -	\$ -	\$ -	
18						\$ -	\$ -	\$ -	\$ -	
19						\$ -	\$ -	\$ -	\$ -	
20						\$ -	\$ -	\$ -	\$ -	
21			903.0	0.0			\$ 40,635.00	\$ -		
22			903.0				\$ 40,635.00			
23										
24		ADJUSTMENTS	%	HRS			RATE / HR	TOTAL		
25		Material Handling	7.0%	63.21			\$ 35.00	\$ 2,212.35		
26		Testing & Cleaning	2.5%	22.575			\$ 35.00	\$ 790.13		
27		Warranty & Punchlist	1.5%	13.545			\$ 35.00	\$ 474.08		
28					0			\$ -		
29										
30		PROJECT MANAGEMENT			HRS		RATE / HR	TOTAL		
31		Project Manager			0		\$ 115.00	\$ -		
32		Asst. Project Manager			0		\$ 95.00	\$ -		
33		Project Engineer			0		\$ 65.00	\$ -		
34					0.0			\$ -		
35										
36		LABOR SUBTOTAL				HRS	AVG \$ / HR	TOTAL		
37		Manhours	903.0	0.0	0.0	903.0	\$ 45.00	\$ 40,635.00		
38						903.0	\$ 40,635.00			
39							\$ 40,635.00			
40										

**CHANGE ORDER COST PROPOSAL NO. 011**

Revision 02

The Village of Wellington
EQUIPMENT ESTIMATE

#	TOOLS	DESCRIPTION	REF		RATE	TOTAL	
1	Small Tools	4% Labor Cost	\$ 40,635		4%	\$ -	
2	Consumables	\$1.00 / Labor Hr	903.0		\$ 1.00	\$ -	
3						\$ -	
4						\$ -	
5							
#	EQUIPMENT	DESCRIPTION	QTY	UNIT	RATE	TOTAL	
7	Pickup Truck			Day	\$ 43.50	\$ -	
8	Air Compressor			Day	\$ 350.00	\$ -	
9	Backhoe/Loader			Day	\$ 465.00	\$ -	
10	Manlift			Day	\$ 450.00	\$ -	
11	Generator			Day	\$ 68.50	\$ -	
12						\$ -	
13							
#	RENTALS	DESCRIPTION	QTY	UNIT	RATE	TOTAL	
15	Water Truck		1.00	LS	\$ 3,948.82	\$ 3,948.82	
16	Excavator		1.00	LS	\$ 10,075.00	\$ 10,075.00	
17	Loader		1.00	LS	\$ 7,821.00	\$ 7,821.00	
18	Compactor		1.00	LS	\$ 2,560.00	\$ 2,560.00	
19	Dewatering Pump and Materials		1.00	LS	\$ 36,000.00	\$ 36,000.00	
20	Misc. Service Charges		1.00	LS	\$ 1,347.00	\$ 1,347.00	
21						\$ -	
22						\$ -	
						\$ -	
23						\$ -	
24						\$ 61,751.82	
25							
#	FUEL	DESCRIPTION		Rate	REF	TOTAL	
27	Equipment Fuel	12% Fueled Equipment Cost		0%	\$ 61,751.82	\$ -	
28						\$ -	
29							
30							
31	EQUIPMENT SUBTOTAL					TOTAL	
32						\$ 61,751.82	
33							
34					\$	61,751.82	



CHANGE ORDER COST PROPOSAL NO. 011
The Village of Wellington
SUBCONTRACT ESTIMATE

Revision 02

#	SUBCONTRACTOR	SCOPE	INV	TOTAL	NOTES
1	Agland	Sod Restoration		\$ 5,120.00	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
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23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38	SUBCONTRACT SUBTOTAL			TOTAL	
39				\$ 5,120.00	
40			\$	5,120.00	

[illegible]



BRANCH 699
4301 NW 27TH AVE
MIAMI FL 33142-4517
305-888-1919

223173573

Job site

WELLINGTON TRACE WTP
1100 WELLINGTON TRACE
WELLINGTON FL 33414-5760

Office: 407-321-8410 Cell: 561-222-1303

WHARTON-SMITH, INC
750 MONROE RD
SANFORD FL 32771-8877

Customer # : 973058
Quote Date : 08/09/23
Estimated Out : 08/14/23 09:00 AM
Estimated In : 10/10/23 09:00 AM
UR Job Loc : 1100 WELLINGTON TRAC
UR Job # : 505
Customer Job ID:
P.O. # : TBD
Ordered By : BRIAN DILL
Written By : NICHOLAS KONSOLAS
Salesperson : STEPHEN KREPOP

**This is not an invoice
Please do not pay from this document**

RENTAL ITEMS:							
Qty	Equipment	Description	Minimum	Day	Week	4 Week	Estimated Amt.
1	9051032	EXCAVATOR 30000-34999# RUBBER TRACK Condition Report Excavator		755.00	1,837.00	4,660.00	10,075.00
1	903/5410	SKID STEER FORK ATTACHMENT		63.00	136.00	275.00	613.00
1	9030590	SKID STEER TRACK LOADER 2800-3399#		598.00	1,539.00	3,305.00	7,208.00
1	1503700	VIB PLATE REVERSIBLE 8600-10999# IMPACT		246.00	610.00	1,157.00	2,560.00
						Rental Subtotal:	20,456.00
SALES/MISCELLANEOUS ITEMS:							
Qty	Item		Price		Unit of Measure		Extended Amt.
1	ENVIRONMENTAL SERVICE CHARGE	[ENV/MCI]	297.000		EACH		297.00
1	DELIVERY CHARGE		525.000		EACH		525.00
1	PICKUP CHARGE		525.000		EACH		525.00
						Sales/Misc Subtotal:	1,347.00
						Agreement Subtotal:	21,803.00
						Tax:	1,379.88
						Estimated Total:	23,182.88

COMMENTS/NOTES:

CONTACT: BRIAN DILL
CELL#: 561-510-3349

TO SCHEDULE EQUIPMENT FOR PICKUP, CALL 800-UR-RENTS (800-877-3687)
WE ARE AVAILABLE 24/7 TO SUPPLY YOU WITH A CONFIRMATION #
IN ORDER TO CLOSE THIS CONTRACT

This proposal may be withdrawn if not accepted within 30 days. The above referenced Rental Protection Plan, environmental, and tax charges are estimates and are subject to change.

NOTICE: This is not a rental agreement. The rental of equipment and any items listed above is subject to availability and subject to the terms and conditions of the Rental and Service Agreement, which are available at <https://www.unitedrentals.com/legal/rental-service-terms-US> and which are incorporated herein by reference. A COPY OF THE RENTAL AND SERVICE AGREEMENT TERMS ARE AVAILABLE IN PAPER FORM UPON REQUEST.



BRANCH 02F
1860 MARTIN LUTHER KING JR.BLV
RIVIERA BEACH FL 33404
561-881-7368
561-881-7004 FAX

219190201

Job site
WELLINGTON WWTP
11860 PIERSON RD
x:X@X
WELLINGTON FL 33414-8719
Office: 407-321-8410 **Cell:** 813-927-7516

Customer # : 973058
Quote Date : 05/03/23
Estimated Out : 05/15/23 09:00 AM
Estimated In : 06/12/23 09:00 AM
UR Job Loc : 11860 PIERSON RD, WE
UR Job # : 414
Customer Job ID:
P.O. # : TBD
Ordered By : BRIAN DILL
Written By : NICHOLAS KONSOULAS
Salesperson : NICHOLAS KONSOULAS

**This is not an invoice
Please do not pay from this document**

WHARTON-SMITH, INC
750 MONROE RD
SANFORD FL 32771-8877

RENTAL ITEMS:							
Qty	Equipment	Description	Minimum	Day	Week	4 Week	Estimated Amt.
1	9532225	TRUCK WATER 2000-2999 GAL CDL		521.00	1,286.00	3,160.00	3,160.00
Rental Subtotal:							3,160.00
SALES/MISCELLANEOUS ITEMS:							
Qty	Item		Price		Unit of Measure		Extended Amt.
1	ENVIRONMENTAL SERVICE CHARGE	[ENV/MCI]	63.200		EACH		63.20
1	DELIVERY CHARGE		250.000		EACH		250.00
1	PICKUP CHARGE		250.000		EACH		250.00
Sales/Misc Subtotal:							563.20
Agreement Subtotal:							3,723.20
Tax:							225.62
Estimated Total:							3,948.82

COMMENTS/NOTES:

CONTACT: BRIAN DILL
CELL#: 561-510-3349

CUSTOMER MUST CALL FOR PICK UP AND REQUEST OFF RENT NUMBER.
WE ARE UNABLE TO PRE ARRANGE PICK UPS.
RENTAL RATES BASED ON SHIFT TIME AS FOLLOWS,
8 HOURS = DAY, 40 HOURS = WEEK, 160 HOURS = MONTH
KEYS NOT RETURNED WILL BE BILLED AT, \$15.00 EACH.
CUSTOMER IS RESPONSIBLE FOR ALL DAMAGE TO TIRES.
CLEANING CHARGES WILL APPLY TO EQUIPMENT RETURNED WITH EXCESSIVE DIRT.
CUSTOMER IS RESPONSIBLE TO VISUALLY INSPECT EQUIPMENT
ON DELIVERY/PICK UP WITH A UNITED REPRESENTATIVE.

CUSTOMER MUST CALL FOR PICK UP AND REQUEST OFF RENT NUMBER.
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AGRICULTURAL LAND SERVICES INC.

12265 STATE ROAD 7
BOYNTON BEACH, FL 33437
PALM BEACH (561) 732-6105 BROWARD (954) 752-1354 FAX (561) 732-6411

PROPOSAL

Date: May 4, 2023


Customer	Wharton-Smith, Inc.	Job Name	WellsVFD	
Address	125 W.Indiantown Road # 201	Job Location:Palm Beach		
City, State, Zip	Jupiter Fl. 33458			
Contact	Brian	Bid #		
Phone #	561-748-5956 / 561-510-3349	ALS Rep Quoting	John Vicat	
FAX #	bdill@whartonsmith.com	Phone #	(561) 346-1968	
Qty	Bid Item	Unit Price	Unit	Total
16000	Sodding: Bahia, supply & installed	.32	SQFT	5,120.00
	Price is based on a one time minimum mobilization.			
	Please Visit Our Website www.agriculturallandservices.com	Total Quote		

☒ "NOTICE TO OWNER" INFORMATION MUST BE SUPPLIED WITH SIGNED PROPOSAL

Complete Job Address _____	Owner _____
City _____ County _____	Address _____
Legal Description _____	City _____ State _____ Zip _____

Bid Notes: DOES THIS JOB REQUIRE WAGE RATES ? ☐ YES ☐ NO
Price excludes Grading, Watering and Maintenance. Quantities are estimated and will be based on field measurements. A.L.S. equipment must have access to all areas of work. This is a unit price proposal and must be signed and be made part of a contract or work order with owner information included.

We hereby propose to furnish labor and materials in accordance with the above specifications, with terms of payment to be as follows:
Net 14 days from invoice date.

Proposal is subject to acceptance within 7 days and is void thereafter at the option of Agricultural Land Services Inc.
Signed , Agricultural Land Services Inc.

<input type="checkbox"/>	ALS has specifications, but no plans on this job at the time of quote.
<input checked="" type="checkbox"/>	ALS has not received copies of specifications. Quote subject to change upon review of specifications.
<input type="checkbox"/>	ALS has reviewed plans and specifications for this quote.

TERMS OF SALE

It shall be the Owner's or Contractor's responsibility to provide Agricultural Land Services Inc. with complete and detailed drawings, site plan and maps of above referenced project. Quote is subject to change if not provided. Upon execution of this proposal, the Owner / Contractor shall specifically delineate the areas to be seeded, sodded, fertilized, etc. This quote does not include engineering and layout cost. Should Owner fail to provide the required information to Agricultural Land Services Inc., Owner hereby agrees that the final field measurements by Agricultural Land Services Inc. shall be determinative and binding upon Owner / Contractor as to the area to be seeded, sodded, fertilized, etc., by Agricultural Land Services Inc.
Current Agricultural Land Services Inc. insurance limits included in this quote. Additional insurance requirements are additional cost. Quantities quoted are approximate and subject to final measurement. Any addition, alteration or deviation from the above specification involving extra costs, will become an extra charge over and above the estimate. Contractor shall supply or plan reasonable access to install sod, seed or water. Limitation on access will result in additional charges.
All agreements contingent upon any strike, accident or delays beyond our control.

CLAIMS: If there is any patent claim (apparent or visible under reasonable examination), no claim will be valid or allowable, unless the claim is made in writing within fifteen days of the date of this invoice.
If there is any latent claim (not fairly visible or detectable under reasonable examination), no claim will be valid or allowable unless the claim is made in writing, within thirty days of the date of the invoice.
Any portion of the invoice, not in dispute shall be paid for on due date.
A finance charge of 1 ½ % per month (annual rate 18%) will be charged on balances over 30 days of date of invoice.
If it becomes necessary to effect collection, I/We agree to pay all costs of collection, including reasonable court costs, attorney fees, and late payment interest.

ACCEPTANCE OF PROPOSAL



In consideration of your extending credit, I/We jointly, severally and unconditionally guarantee payment when due of any and all present or future indebtedness owed to you by the below named firm of individual applicant and agree to pay such indebtedness in default.
This quote must be referred to in contract documents submitted to Agricultural Land Services Inc. at award of contract.
The above prices, specifications, term and conditions are hereby accepted.
You are authorized to do the work as specified.



Date: _____ Accepted Name of Company _____

Authorized Signature _____ Officer Title _____

PLOT DATE: Jul 10, 2023 - 1:28pm
 XREFS: IMAGES: F:\REF_DATA\PCO\Aerials\2019\Area_CentEas.sld
 REFS: F:\well\well50ug\CAD\DWG\50UGCS01_C0-2.dwg

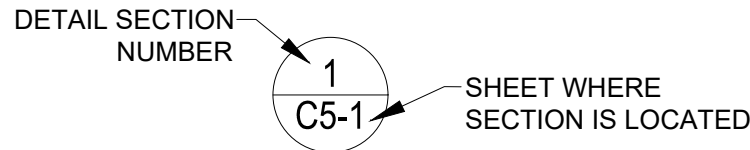
ENGINEERING LEGEND:

AASHTO	ASSOCIATION OF AMERICAN STATE HIGHWAY TRANSPORTATION OFFICIALS
	BASELINE
BTM	BOTTOM
— bE —	BURIED ELECTRIC (EXISTING UTILITY LOCATION)
— BF0 —	BURIED FIBER OPTIC CABLE (EXISTING UTILITY LOCATION)
	CENTERLINE
CIP	CAST IRON PIPE
CONC	CONCRETE
CONST.	CONSTRUCTION
STA:59+75.16 OFF:28.50'R EL: 16.46	CONTROL POINT
CMP	CORRUGATED METAL PIPE
DBC	DIRECT BURIED CABLE
DIA.	DIAMETER
DIP	DUCTILE IRON PIPE
E	EAST
E.	EASTING
EL	ELEVATION
EXIST	EXISTING
FLG	FLANGE

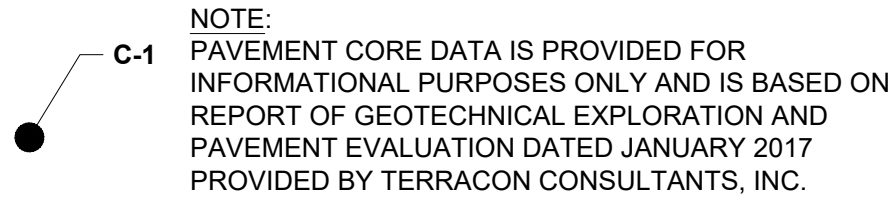
FM	FORCEMAIN
INV	INVERT
L.F.	LINEAR FEET
MH	MANHOLE
NGVD	NATIONAL GEODETIC VERTICAL DATUM
N	NORTH
N.	NORTHING
NO.	NUMBER
PVC	POLYVINYL CHLORIDE PIPE
PI	POINT OF INTERSECTION
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RJ	RESTRAIN JOINT
	SAMPLE POINT
SS	SANITARY SEWER
	SIGN
STA	STATION
— sd —	STORM DRAIN (EXISTING UTILITY LOCATION)
ST	STORM SEWER
STR	STRUCTURE
S	SOUTH
TH	TEST HOLE
T.O.P.	TOP OF PIPE

TYP	TYPICAL
VCP	VITRIFIED CLAY PIPE
WM	WATERMAIN
— W —	WATERMAIN (EXISTING UTILITY LOCATION)
W	WIDTH; WEST

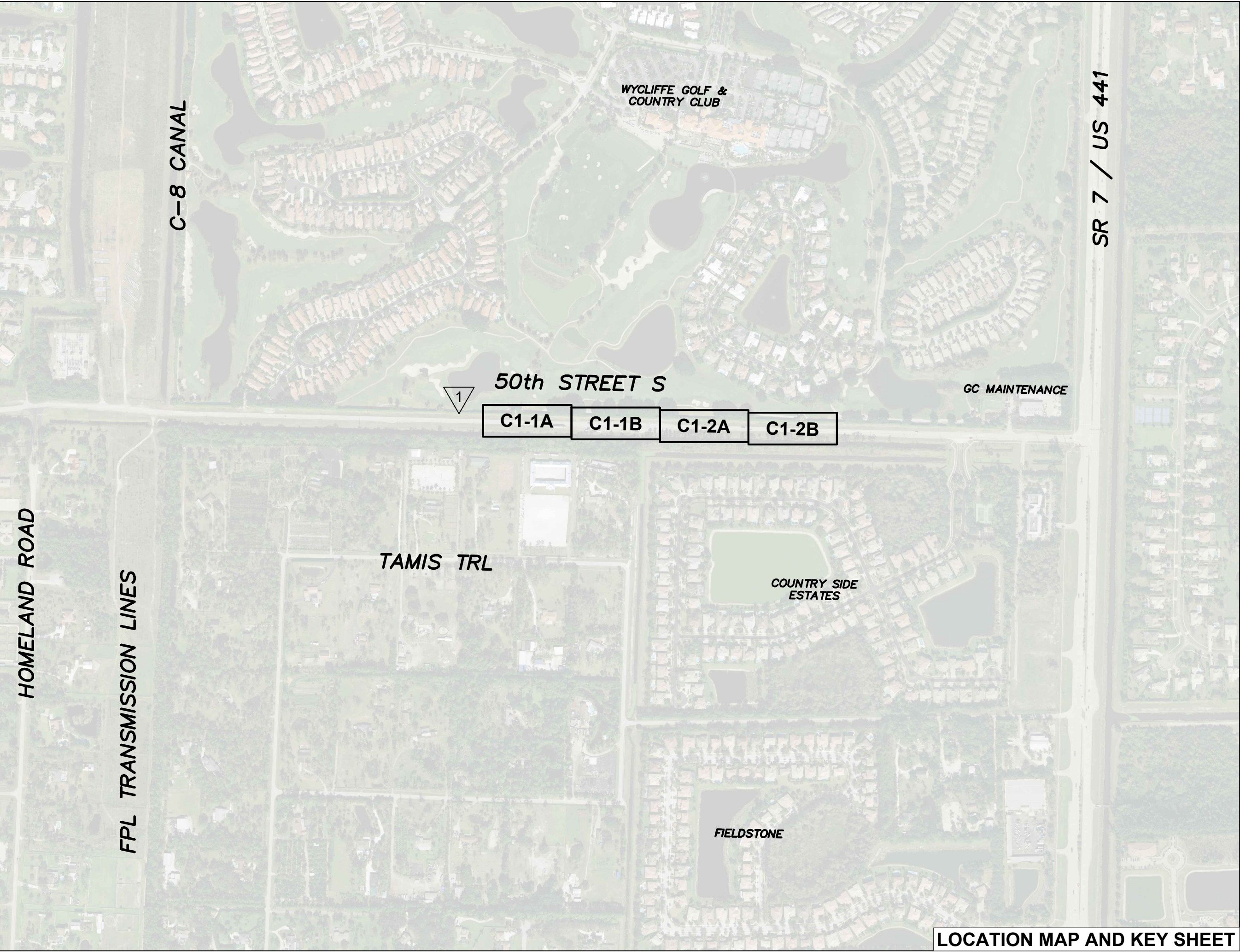
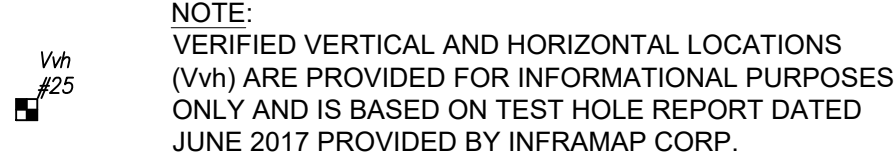
CIVIL DETAIL, CALL OUT SYMBOLS



PAVEMENT CORE LOCATION



SUBSURFACE UTILITY EXPLORATION



LOCATION MAP AND KEY SHEET

GENERAL NOTES:

- ALL ELEVATIONS ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH FDOT SPECIFICATIONS, LATEST ADDITION.
- ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES, UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL SLOPE FINISHED GRADES UNIFORMLY BETWEEN OTHER FINISHED AND EXISTING GRADES AND IN SUCH A MANNER TO PREVENT STORMWATER PONDING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVAL, DISPOSAL, ABANDONMENT, AND RELOCATIONS NECESSARY TO COMPLETE THE WORK WHETHER SHOWN ON THE DRAWINGS OR NOT. CONTRACTOR SHALL COORDINATE RELOCATIONS WITH THE NECESSARY UTILITY COMPANIES.
- CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY THE CONTRACTOR'S ACTIVITIES INVOLVING CONSTRUCTION, STAGING AREAS, AND ACCESS ROADS IN KIND. ALL DISTURBED NON-PAVED AREAS SHALL BE PLANTED WITH "IN-KIND" VEGETATION.
- CONTRACTOR SHALL SUBMIT AN M.O.T. PLAN CONFORMING TO FDOT INDEX NO. 600 AND AS REQUIRED IN THE PROJECT SPECIFICATIONS. THE PLAN SHALL PROVIDE FOR TWO-WAY TRAFFIC FLOW AT ALL TIMES. CONTRACTOR SHALL FOLLOW THE APPROVED PLAN THROUGHOUT PROJECT DURATION. ACCESS TO PRIVATE PROPERTIES AND PUBLIC SIDE STREETS SHALL BE PROVIDED AT ALL TIMES.
- CONTRACTOR SHALL SUBMIT A PROPOSED PHASING PLAN SHOWING BOTH CONSTRUCTION AND MAINTENANCE OF TRAFFIC PHASING.
- CONTRACTOR SHALL COORDINATE WITH THE NECESSARY UTILITY COMPANIES AND SUNSHINE 811 (811 OR 1-800-432-4770) FOR ALL UTILITY LOCATES 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH CHAPTER 556 OF THE FLORIDA STATUTES: THE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT.
- CONTRACTOR SHALL MAINTAIN A NEAT, ORDERLY, AND SAFE SITE AT ALL TIMES.
- ALL SURVEY MONUMENTS WITHIN LIMITS OF CONSTRUCTION ARE TO BE PROTECTED. IF IN DANGER OF DAMAGE THE CONTRACTOR SHALL NOTIFY: NATIONAL GEODETIC INFORMATION SERVICES CENTER NOAA NATIONAL GEODETIC SURVEY, N/CG 17 SSMC 3, STATION 09202 SILVER SPRING, MARYLAND 20910 TELEPHONE NO. (301) 713-3242.
- CONTRACTOR SHALL APPLY FOR AND COMPLY WITH THE REQUIREMENTS OF THE FDEP GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION SITES.
- CONTRACTOR SHALL UTILIZE CONSTRUCTION METHODS AND DEVICES SUCH AS SILT FENCES AND INLET PROTECTION WHERE NECESSARY IN ORDER TO COMPLY WITH THE STATE AND LOCAL WATER QUALITY STANDARDS AND NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (N.P.D.E.S.) REQUIREMENTS. CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER FOR REVIEW A STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
- ALL WORK SHALL BE OPEN AND SUBJECT TO INSPECTION BY AUTHORIZED PERSONNEL OF THE VILLAGE OF WELLINGTON, ALL INVOLVED UTILITY COMPANIES, THE PROJECT ENGINEER AND ALL REGULATORY AGENCIES.
- WHERE EXCAVATIONS TO A DEPTH IN EXCESS OF FIVE FEET (5') ARE REQUIRED, THE CONTRACTOR SHALL INCLUDE THE FOLLOWING INFORMATION IN THE BID:
 - REFERENCE TO THE TRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.
 - WRITTEN ASSURANCES BY THE CONTRACTOR PERFORMING THE TRENCH EXCAVATION THAT SUCH CONTRACTOR WILL COMPLY WITH THE FLORIDA TRENCH SAFETY ACT.
- ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC. NO TRENCHES OR HOLES NEAR WALKWAYS OR IN ROADWAYS OR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT A CONSTRUCTION SCHEDULE DEPICTING EACH PHASE OF THE WORK.
- CONTRACTOR SHALL PROMPTLY REMOVE ALL MUD, DIRT OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING PUBLIC ROADS AND FACILITIES DUE TO CONSTRUCTION.
- ALL EXCESS FILL AND DEBRIS FROM THE SITE SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.
- ALL UTILITIES (MANHOLE, VALVE, ELECTRIC RINGS AND TOPS) SHALL BE ADJUSTED TO NEW FINISH GRADES AND PROPERLY SET TO PAVEMENT CROSS SLOPE AS REQUIRED.
- CONTRACTOR SHALL COORDINATE WITH THE VILLAGE OF WELLINGTON FOR THE SELECTION OF PROPOSED CONSTRUCTION STAGING AREAS AND/OR STOCKPILING OF MATERIALS.
- CONTRACTOR SHALL COORDINATE ALL SITE WORK FOR PEDESTRIAN AND TRAFFIC CONTROL WITH THE VILLAGE OF WELLINGTON UTILITIES DEPARTMENT: TORAL HERTZBERG, P.E. OFFICE: 561-791-4148.
- CONTRACTOR SHALL LIMIT ACCESS AND CONSTRUCTION OPERATIONS TO WITHIN LIMITS OF THE PUBLIC ROAD RIGHTS-OF-WAY. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGES OUTSIDE THE LIMITS OF THE ROAD RIGHTS-OF-WAY.
- AREAS FOR THE STORAGE OF EXCAVATED MATERIAL ARE LIMITED. SUCH MATERIAL MAY BE REMOVED AND STORED OFFSITE AND RETURNED FOR BACKFILLING.
- CONTRACTOR SHALL HAVE NO TRENCHES OPEN AT THE END OF EACH WORK DAY. IF NECESSARY, TRENCHES SHALL BE TEMPORARILY BACKFILLED AND BARRICADED.
- THE AERIAL PHOTOGRAPH USED FOR THIS PROJECT WAS PREPARED FROM THE PALM BEACH COUNTY DATA BASE AND AS SUCH SHOULD BE USED ONLY AS SCHEMATICS.
- SOURCE AND DATE OF AERIAL PHOTOGRAPHY: PBC GIS DATED 2019.
- CONTRACTOR SHALL USE CAUTION AND TAKE THE NECESSARY SAFETY PRECAUTIONS WHILE WORKING ADJACENT TO OVERHEAD AND UNDERGROUND ELECTRIC.
- CONTRACTOR SHALL PROVIDE TEMPORARY FACILITIES AS REQUIRED TO MAINTAIN ROADWAY DRAINAGE AND OUTFALL DURING CONSTRUCTION ACTIVITIES.

SURVEY NOTES (PREPARED BY ENGENUITY GROUP, INC.):

- THE SURVEY DEPICTED HEREON IS CLASSIFIED AS A TOPOGRAPHIC SURVEY AND IS IN COMPLIANCE WITH CHAPTER 5J-17 FLORIDA ADMINISTRATIVE CODE.
- ENGENUITY GROUP, INC. AND THE CERTIFYING SURVEYOR ACCEPT NO RESPONSIBILITY FOR RIGHT-OF-WAYS, EASEMENTS RESTRICTIONS OR OTHER MATTERS AFFECTING TITLE TO THE LANDS SURVEYED OTHER THAN THOSE RECITED IN THE CURRENT DEED AND/OR OTHER INSTRUMENT OF RECORD FURNISHED BY THE CLIENT.
- UNDER GROUND UTILITIES WERE SEARCHED FOR AND LOCATED BY ENGENUITY GROUP, INC. ENGENUITY GROUP, INC. HAS LOCATED THE MARKINGS AS PAINTED BY RITZEL MASON, INC.
- LAST DATE OF FIELD SURVEY: 12/16/2019
- ALL DISTANCES SHOWN HEREON ARE IN U.S. FEET AND DECIMAL PARTS THEREOF UNLESS OTHERWISE NOTED.
- ACCURACY STATEMENT: A FIELD SURVEY WAS PERFORMED IN ACCORDANCE WITH CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATE STATUTES FOR TOPOGRAPHIC SURVEYS. THE ACCURACY OF CONTROL DATA WAS VERIFIED BY REDUNDANT MEASUREMENTS OF TRAVERSE CLOSURES AND EXCEEDS COMMERCIAL/HIGH RISK: LINEAR: 1 FOOT IN 10,000 FEET.
- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.
- ALL DIMENSIONS SHOWN HEREON ARE MEASURED UNLESS OTHERWISE NOTED.
- THIS SURVEY IS BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM TRANSVERSE MERCATOR, FLORIDA EAST ZONE, NORTH AMERICAN DATUM OF 1983 (1990 ADJUSTMENT).
- ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929) AND REFERENCE THE FOLLOWING BENCHMARK:

BENCHMARK
NAME: HOMELAND
ELEVATION 17.575 (NGVD 1929)

TO REACH THE STATION FROM THE INTERSECTION OF FOREST HILLS BOULEVARD AND US-441, GO SOUTH ON US-441 A DISTANCE OF 3.0 MILES TO 50TH STREET ON THE RIGHT. THEN GO WEST ON 50TH STREET .5 MILE TO THE STATION ON THE LEFT.

THE STATION IS A PALM BEACH COUNTY BRASS DISK SET IN A ROUND CONCRETE MONUMENT STAMPED "HOMELAND".

THE STATION IS LOCATED 6 FEET SOUTH OF THE SOUTH EDGE OF PAVEMENT, 38.0 FEET EAST-NORTHEAST OF A CATCH BASIN ON THE SOUTH SIDE OF THE ROAD AND 57.1 FEET WEST-NORTHWEST OF A METAL WITNESS SIGN IN THE BASE OF A POWER POLE.

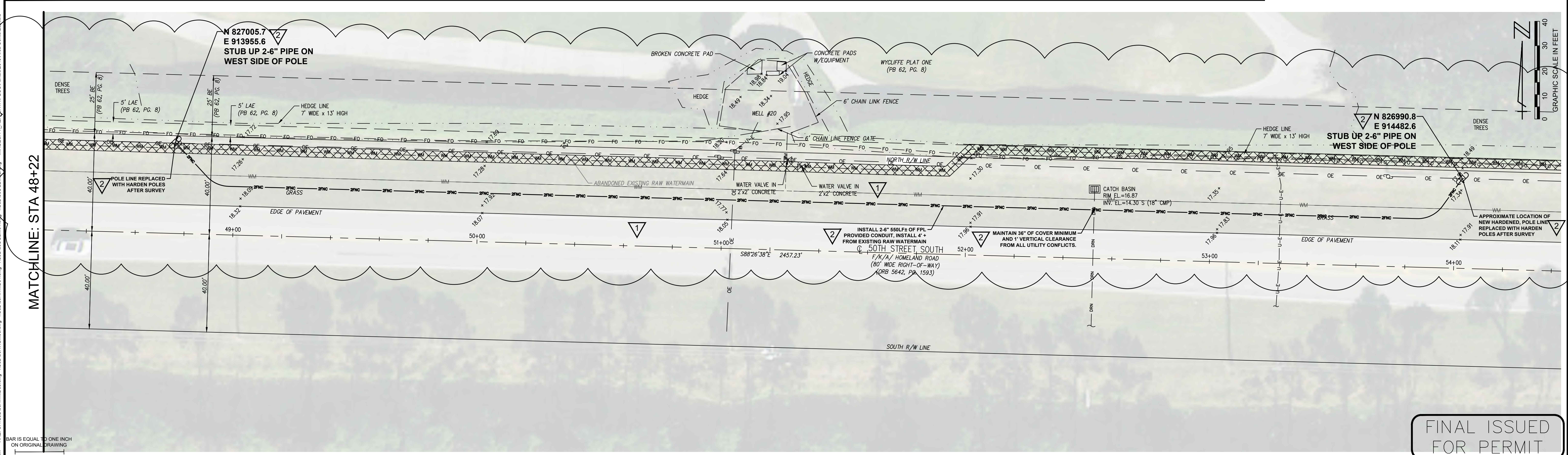
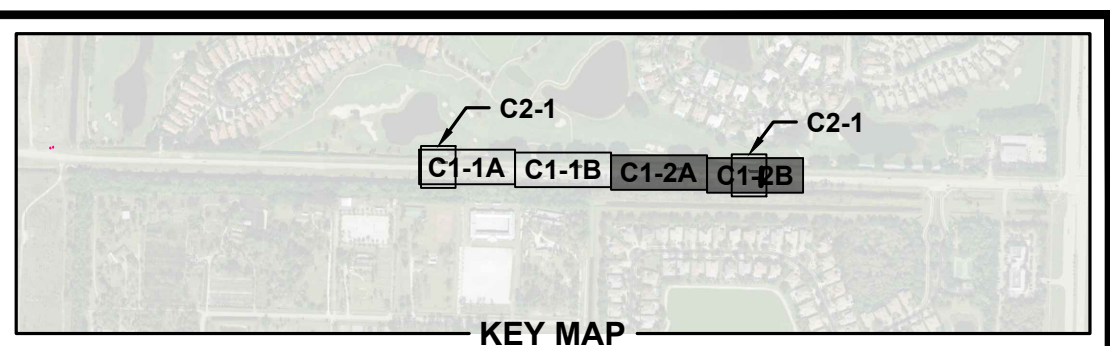
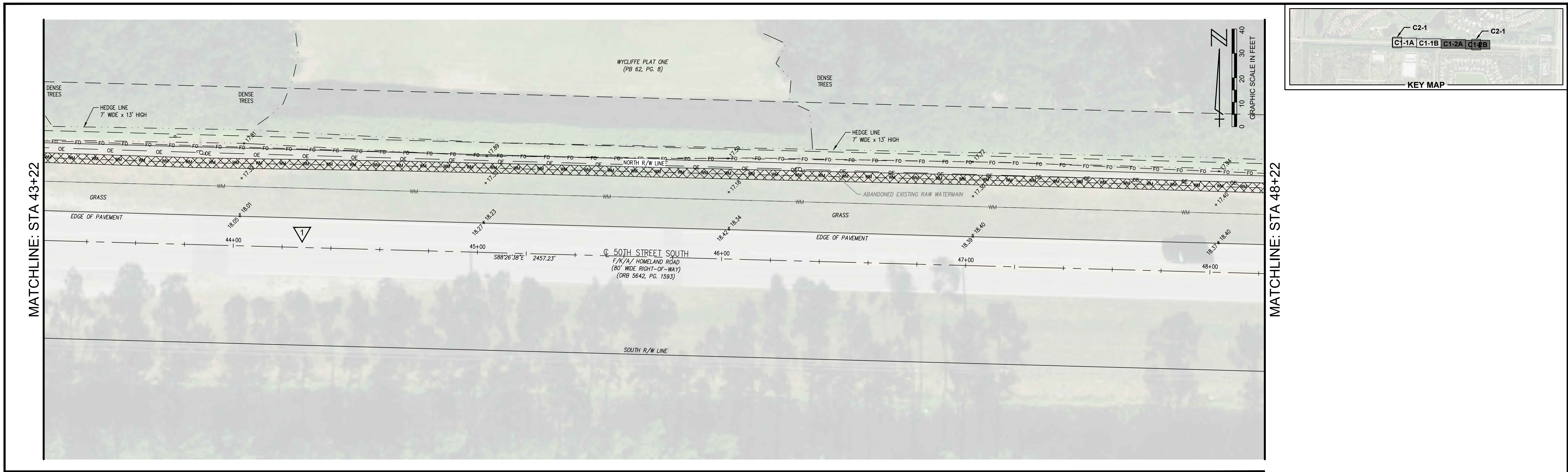
RECOVERED 06/05/2013.

- DENSE TREE LINE WAS DIGITIZED FROM CURRENT AERIAL PHOTOGRAPHY.
- BEARINGS SHOWN HEREON ARE BASED ON THE EASTERLY MOST NORTH RIGHT OF WAY LINE OF HOMELAND ROAD AS RECORDED IN OFFICIAL RECORDS BOOK 5642, PAGE 1593. LINE IS SAID TO BEAR N88°26'28"W AND ALL OTHER BEARINGS ARE RELATIVE THERETO.

NOTE: TO CONVERT FROM NGVD 29 TO NAVD 88 DATUM
SUBTRACT 1.428 FEET FROM THE NGVD 29 ELEVATION.
EXAMPLE: EL.= 18.00' (NGVD 29)
EL.= 16.57' (NAVD 88)
SOURCE: PBC PUBLISHED BENCHMARK "HOMELAND"

LOCATION AND KEY SHEET MAP, GENERAL NOTES, AND LEGEND

				SEAL		FLORIDA E.B. NO. 48	<div>FLORIDA L.B. NO. 48</div> <div><div>MOCK•ROOS</div><div>CONSULTING ENGINEERS</div></div> <div>5720 Corporate Way, West Palm Beach, Florida 33407 (561) 683-3113, www.MockRoos.com</div>		<div>FIELD: ----</div> <div>DRAWN: JWB</div> <div>DESIGN: SMR</div> <div>APPR: JPC</div> <div>SCALE: AS SHOWN</div>		<div>50TH STREET</div> <div>WELLS 19 & 20</div> <div>OVERHEAD POWER CONVERSION</div> <div>WELL VFD PROJECT</div> <div>PALM BEACH COUNTY, FLORIDA</div>		<div>DATE: FEBRUARY 2023</div> <div>P.A. NO. WE002.10</div> <div>DWG. NO. 44-41-25-03</div> <div>SHEET: C0-2</div>	
CADD FILE: F:\well\well50ug\CAD\DWG\50UGCS01_C0-2.dwg				<div>✓</div> <div>NO.</div>	<div>5/8/23</div> <div>DATE</div>	<div>SMR</div> <div>BY</div>	REVISION PER PBCLD REVISION							



FINAL ISSUED
FOR PERMIT

ADJUST ALL SCALED DIMENSIONS ACCORDINGLY										CONDUIT PLAN																																																																					
<div>DATE: 6/28/23 DRAWN BY: JWB DESIGN: SMR APPR: JPC SCALE: AS SHOWN</div>																					FLORIDA E.B. NO. 48										<div>FLORIDA L.B. NO. 48</div> <div>MOCK•ROOS</div> <div>CONSULTING ENGINEERS</div> <div>5720 Corporate Way, West Palm Beach, Florida 33407 (561) 683-3113, www.MockRoos.com</div>										FIELD: ----										50TH STREET WELLS 19 & 20 OVERHEAD POWER CONVERSION WELL VFD PROJECT PALM BEACH COUNTY, FLORIDA										DATE: FEBRUARY 2023																		
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										5/8/23 SMR REVISION PER PBCLD																																																																					

FP&L INSTALLATION GENERAL NOTES

- CONTRACTOR TO INSTALL ALL FPL CONDUIT, CABLE, AND EQUIPMENT FOR A COMPLETE UNDERGROUND SYSTEM INSTALLATION. THE CONTRACTOR SHALL INSTALL THE NEW ELECTRICAL INFRASTRUCTURE TO THE SATISFACTION OF FPL, THE VILLAGE OF WELLINGTON AND THE ENGINEER. ALL FPL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FPL OH & UG DISTRIBUTION SYSTEM STANDARDS.
- CONTRACTOR MUST VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY LANDSCAPING AND/OR HARDSCAPING IMPACTED BY THE WORK TO AN EQUAL OR BETTER CONDITION TO THAT WHICH EXISTED PRIOR TO STARTING THE WORK.
- CONDUIT, HANDHOLES, SPLICE BOXES, PULLBOXES, AND EQUIPMENT PADS/VAULTS SHALL BE PLACED WITHIN THE LIMITS OF THE EASEMENT PROVIDED OR WITHIN THE ROAD RIGHT OF WAY OR AS SHOWN ON THE PLANS. ALL EASEMENTS SHALL BE STAKED BY A LICENSED SURVEYOR PRIOR TO INSTALLATION OF IMPROVEMENTS. ALL EQUIPMENT PLACEMENT SHALL BE IN ACCORDANCE WITH THESE DRAWINGS AND THE FPL OH & UG DISTRIBUTION SYSTEM STANDARDS.
- USE ONLY FPL SUPPLIED MATERIALS FOR CONSTRUCTION OF THE UNDERGROUND AND OVERHEAD ELECTRICAL DISTRIBUTION SYSTEM.
- ELECTRONIC CONDUIT MARKERS SHALL BE PLACED AT ALL CONDUIT ENDS PER THE DETAIL.
- ALL UNDERGROUND CABLES AND VACANT CONDUITS SHALL BE APPROPRIATELY IDENTIFIED WITH IDENTIFICATION TAGS PER FPL OH & UG DISTRIBUTION SYSTEM STANDARDS. SEE SPECIFICATIONS.
- PRIMARY AND FEEDER CONDUIT IS TO HAVE A MINIMUM OF 36 INCHES OF COVER AND A MINIMUM OF 12 INCHES OF HORIZONTAL AND VERTICAL CLEARANCE FROM OTHER UTILITIES. SECONDARY AND SERVICE CONDUIT IS TO HAVE A MINIMUM OF 24 INCHES OF COVER AND A MINIMUM OF 3 INCHES OF HORIZONTAL AND VERTICAL CLEARANCE FROM OTHER UTILITIES. SECONDARY AND SERVICE CONDUITS MAY BE PLACED AT 36 INCHES OF COVER WHEN PLACED IN THE SAME TRENCH AS PRIMARY CONDUIT.
- CAP ALL ENDS OF CONDUIT WITH FPL SUPPLIED END CAPS. DENOTE TERMINATION OF EACH CONDUIT RUN ON THE CAPPED END. ALL CONDUIT ENDS ARE TO BE TERMINATED ONE TO TWO FEET ABOVE FINAL GRADE, UNLESS OTHERWISE NOTED, AND EXCEPT AT EQUIPMENT LOCATIONS WHERE THEY ARE TO BE TERMINATED ABOVE GRADE PER THE APPLICABLE DETAIL.
- ALL CABLES/CONDUITS TO BE LABELED WITH TAGS IN ACCORDANCE WITH THE TAGGING REQUIREMENTS LISTED IN THE FPL OH & UG DISTRIBUTION SYSTEM STANDARDS. SEE SPECIFICATIONS.
- INSTALL ONE #12 COPPER LOCATE WIRE SUPPLIED BY FPL IN EACH TRENCH FOR CONDUIT INSTALLED FOR FUTURE USE ONLY. ALL ENDS OF THE #12 COPPER WIRE SHALL BE EXPOSED ABOVE GRADE AND SECURED WITH A TIE WRAP TO THE STUBBED UP CONDUIT FOR FUTURE LOCATING.
- CONDUITS TERMINATED AT EQUIPMENT LOCATIONS TO BE INSTALLED WITH TEMPLATES SUPPLIED BY FPL ACCORDING TO THE SPECIFIC PIECE OF EQUIPMENT BEING INSTALLED. CONTRACTOR TO VERIFY CONDUIT TERMINATION LOCATIONS WITH FPL INSPECTOR PRIOR TO INSTALLING CONDUITS.
- CONCRETE EQUIPMENT SLABS PROVIDED BY FPL ARE TO BE INSTALLED LEVEL ON FILL OR SUITABLE IN-SITU MATERIALS COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557. ORIENT SLABS AS SHOWN ON THE DRAWINGS.
- A CONTINUOUS PULLSTRING IS TO BE INSTALLED IN ALL CONDUITS. END CAPS SHALL BE INSTALLED AS APPLICABLE. PULLING EYES SHALL BE PROVIDED IN VAULTS AS MAY BE REQUIRED.
- EQUIPMENT TO BE IDENTIFIED WITH FPL PROVIDED NUMBERING PER FPL SPECIFICATIONS PRIOR TO ENERGIZATION. NUMBERING SHALL BE PLACED ON THE FRONT FACE OF THE EQUIPMENT. WHEN THE FRONT FACE OF THE EQUIPMENT IS NOT FACING THE STREET, THE SIDE/REAR PANEL THAT FACES THE STREET SHALL BE NUMBERED IN ADDITION TO THE FRONT FACE OF THE EQUIPMENT.

FP&L MATERIAL NOTES

- FPL TO PROVIDE ALL POWER SYSTEM CONDUIT, BENDS, COUPLINGS, GLUE, HANDHOLES, SPLICE BOXES, PULL BOXES, MARKERS, AND CAPS/PLUGS. FPL TO PROVIDE PRECAST TRANSFORMER PADS, CAPACITOR PADS, FEEDER AND PRIMARY SPLICE BOXES, AND SWITCH CHAMBERS. CHAMBERS MAY REQUIRE SOME ASSEMBLY.
- ALL CONTRACTOR PROVIDED MATERIALS TO BE APPROVED BY THE RESPECTIVE UTILITY OWNER PRIOR TO BIDDING THE JOB. PURCHASING THE MATERIALS, OR MATERIAL INSTALLATION, CONTRACTOR TO PROVIDE THE ENGINEER WITH A COPY OF APPROVED CONTRACTOR SUPPLIED MATERIAL LIST PRIOR TO STARTING CONSTRUCTION WITH RESPECTIVE UTILITY SIGNATURES.
- ALL PULL BOXES, HAND HOLES, ETC., IN PALM BEACH COUNTY RIGHT-OF-WAY ARE TO BE A MINIMUM OF TIER 15, (15K DESIGN LOAD / 22.5K TEST LOAD) TRAFFIC BEARING IN LOCATIONS THAT ARE SUBJECT TO OCCASIONAL TRAFFIC. PULL BOXES, HAND HOLES, ETC., IN THE ROADWAY (DELIBERATE VEHICULAR TRAFFIC APPLICATIONS) ARE TO BE A MINIMUM OF AASHTO H20.

TESTING AND ACCEPTANCE GUIDELINES

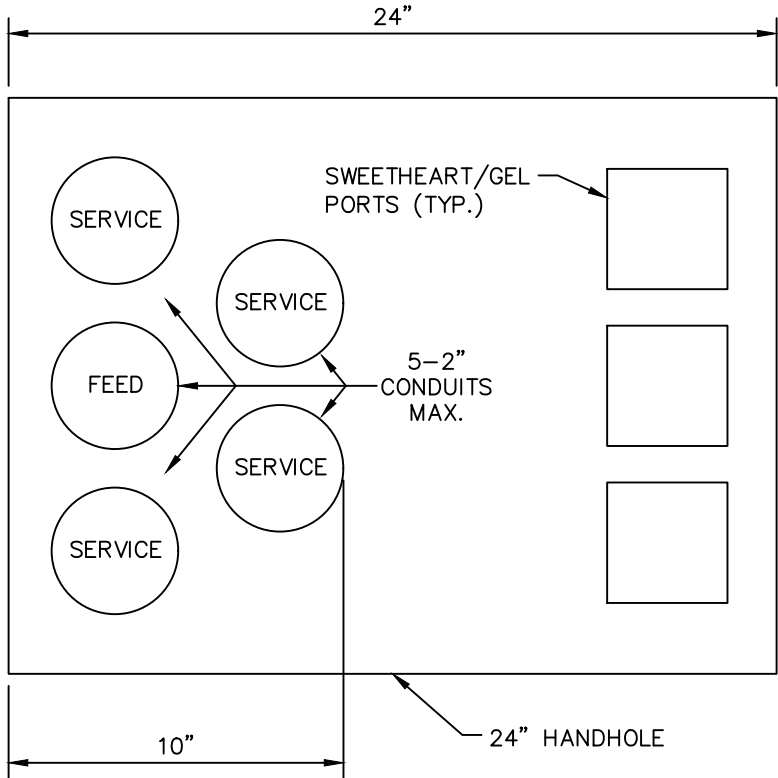
- FOLLOWING NOTIFICATION OF COMPLETED INSTALLATION OF UNDERGROUND CONDUITS BY THE CONTRACTOR, FPL WILL:
- CONFIRM THAT A CONTINUOUS LENGTH OF PULLSTRING HAS BEEN INSTALLED IN ALL CONDUIT RUNS AND VERIFY THAT ALL CONDUIT RUNS TERMINATE IN THE CORRECT LOCATIONS.
 - THE FINAL ACCEPTANCE OF THE CONDUIT INSTALLATION WILL OCCUR AFTER THE VILLAGE OF WELLINGTON'S CONTRACTOR HAS PULLED THE CONDUCTOR AND OCCUPIED THE CONDUIT.

FPL SURVEY AS-BUILT REQUIREMENTS

- THE CONTRACTOR SHALL OBTAIN "AS-BUILT" SURVEY INFORMATION BEFORE BACKFILLING OCCURS.
- ALL MANHOLES, VAULTS, TRENCH ROUTES, AND DUCT BANK LOCATIONS ARE TO BE STATIONED TO A BASELINE OR REFERENCE LINE.
- ELEVATIONS ARE TO BE TO THE SAME DATUM AS PROVIDED IN THE DRAWINGS.
- ELEVATIONS ARE TO BE TAKEN ALONG THE TOP OF THE DUCT BANK, CABLE, OR CONDUIT RUN AND AT FINISHED GRADE LEVEL ON 50 FOOT MAXIMUM INTERVALS.
- ADDITIONAL ELEVATION SHOTS OF THE DUCT BANK, CABLE, OR CONDUIT RUN SHALL BE TAKEN AT ANY CHANGES IN ELEVATION AND/OR HORIZONTAL DIRECTION.
- ELEVATIONS SHALL BE TAKEN AT THE ROOF OF THE SPLICE BOX/MANHOLE, RIM IF INSTALLED, FINAL GRADE, AND WHERE THE DUCT ENTERS THE MANHOLE OR SPLICE BOX.
- WHERE OTHER UTILITIES ARE ENCOUNTERED AND THE DUCT BANK, CABLE, OR CONDUIT RUN CROSSES THESE UTILITIES, THE UTILITY'S SIZE, MATERIAL, AND TYPE ARE TO BE RECORDED ALONG WITH ELEVATION AND LOCATION REFERENCED TO THE BASE LINE. THE ELEVATION OF THE DUCT BANK, CABLE, OR CONDUIT RUN SHALL BE TAKEN DIRECTLY ABOVE OR BELOW THE OTHER UTILITY (AS APPLICABLE) AND AT GRADE.
- AS-BUILT DRAWINGS SHALL SHOW THE RELATION OF ANY INSTALLED FPL FACILITY TO ANY EASEMENT PROVIDED BY THE VILLAGE OF WELLINGTON.

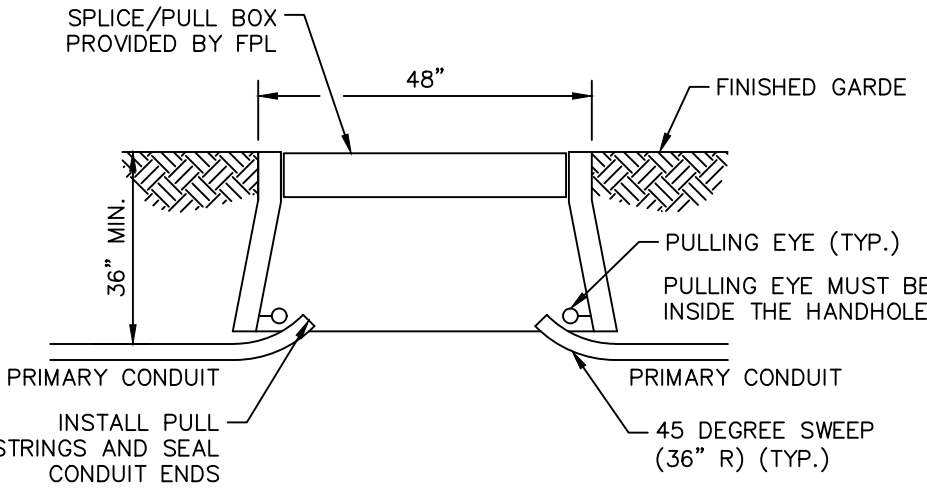
CONSTRUCTION NOTES

- COORDINATE WITH THE LOCAL UTILITY PROVIDERS AND PROVIDE THE CLEARANCES TO EXISTING UTILITIES ESTABLISHED BY THOSE AGENCIES. AT A MINIMUM, MAINTAIN 4 FEET OF HORIZONTAL CLEARANCE (WALL TO WALL) BETWEEN PROPOSED UNDERGROUND FACILITIES AND EXISTING UTILITIES, AND A MINIMUM OF 1 FOOT (12 INCHES) OF VERTICAL CLEARANCE.

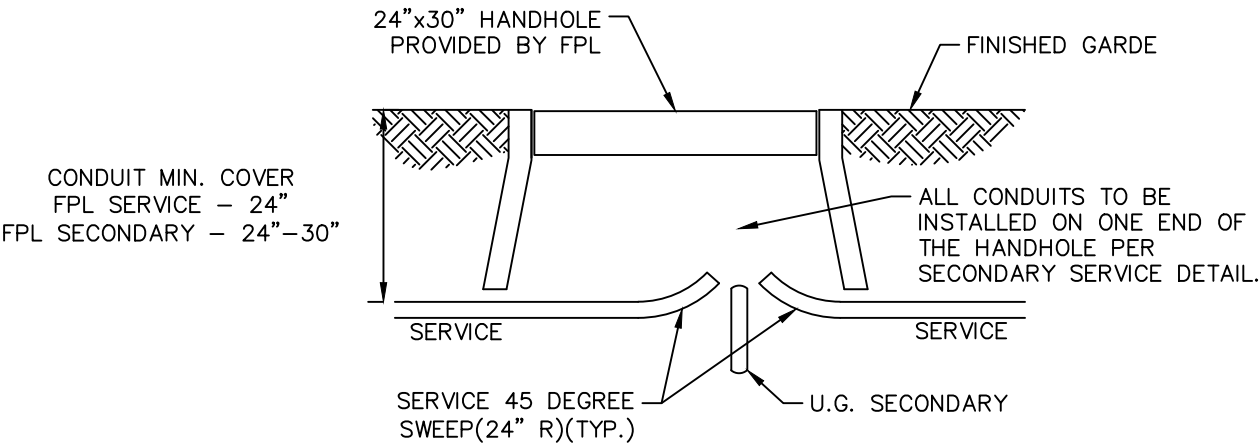


WHEN INSTALLING 2" CONDUITS, UP TO 5 MAY BE PLACED IN A 24" HANDHOLE. INSTALL ALL CONDUITS WITHIN 10" OF ONE END OF THE HANDHOLE. THIS ALLOWS CABLES TO DRAPE ACROSS TO THE OTHER END OF HANDHOLE WHERE THE TERMINATIONS WILL BE PLACED SUCH AS SWEETHEART CONNECTIONS OR GEL PORT CONNECTORS. WHEN THE WIRES ARE RAISED OUT OF THE MANHOLE, THIS WILL ALLOW APPROXIMATELY 18" OF WIRE ABOVE GROUND LEVEL MAKING.

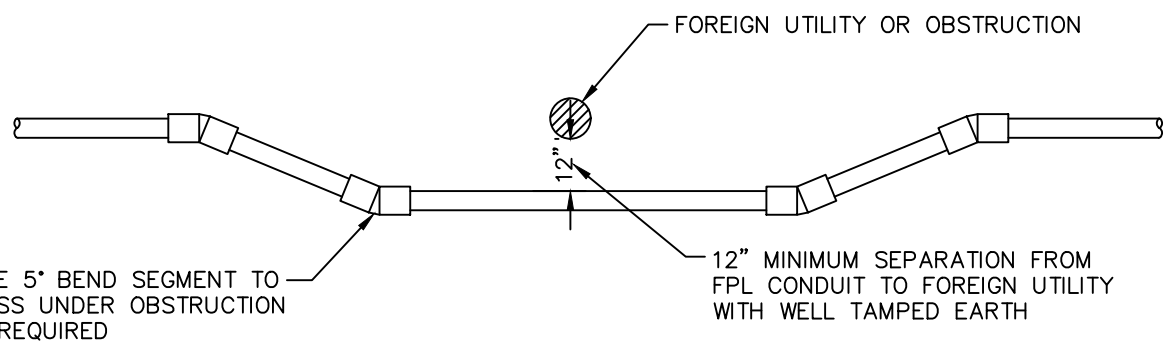
SECONDARY SERVICE HANDHOLE TYP. DETAIL
N.T.S



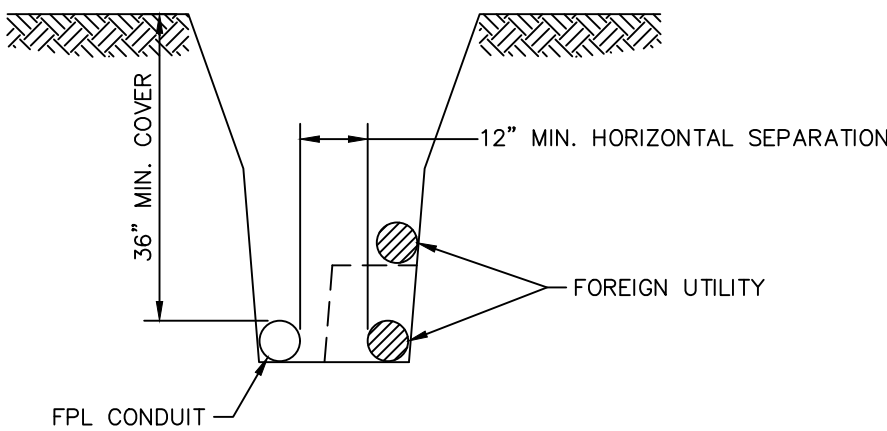
48" PRIMARY SPLICE/PULL BOX DETAIL
N.T.S



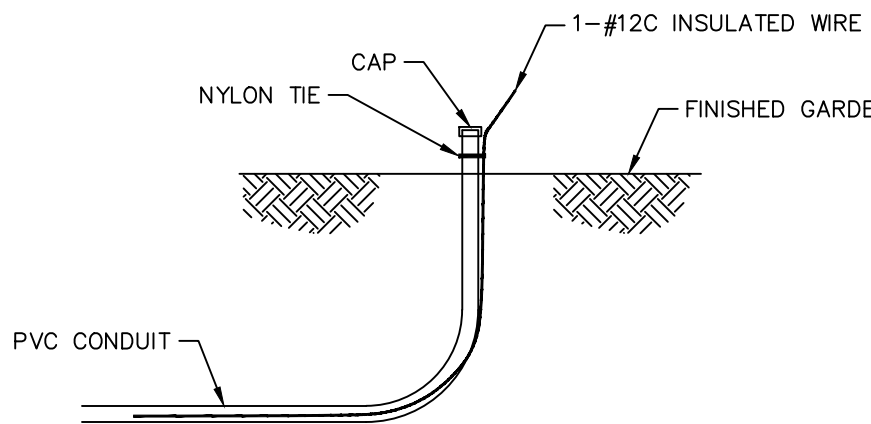
SERVICE HANDHOLE INSTALLATION
N.T.S



FPL CONDUIT CROSSING UNDER A FOREIGN UTILITY
N.T.S



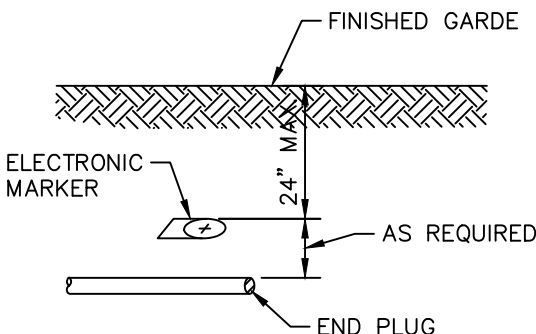
INSTALLATION OF FPL CONDUIT
PARALLEL WITH-OR-IN A SHARED TRENCH
WITH A FOREIGN UTILITY
N.T.S



WHEN INSTALLING CONDUIT ONLY (CABLE TO BE PULLED LATER), A SINGLE #12 COPPER INSULATED WIRE IS TO BE DIRECT BURIED IN EVERY TRENCH AT THE SAME DEPTH AS THE CONDUIT. THE ENDS OF THE WIRE ARE TO BE TERMINATED ABOVE GROUND AT THE CONDUIT ENDS AS SHOWN. THIS WIRE IS ALLOW EMPTY PLASTIC CONDUIT TO BE LOCATED WITH ELECTRONIC EQUIPMENT.

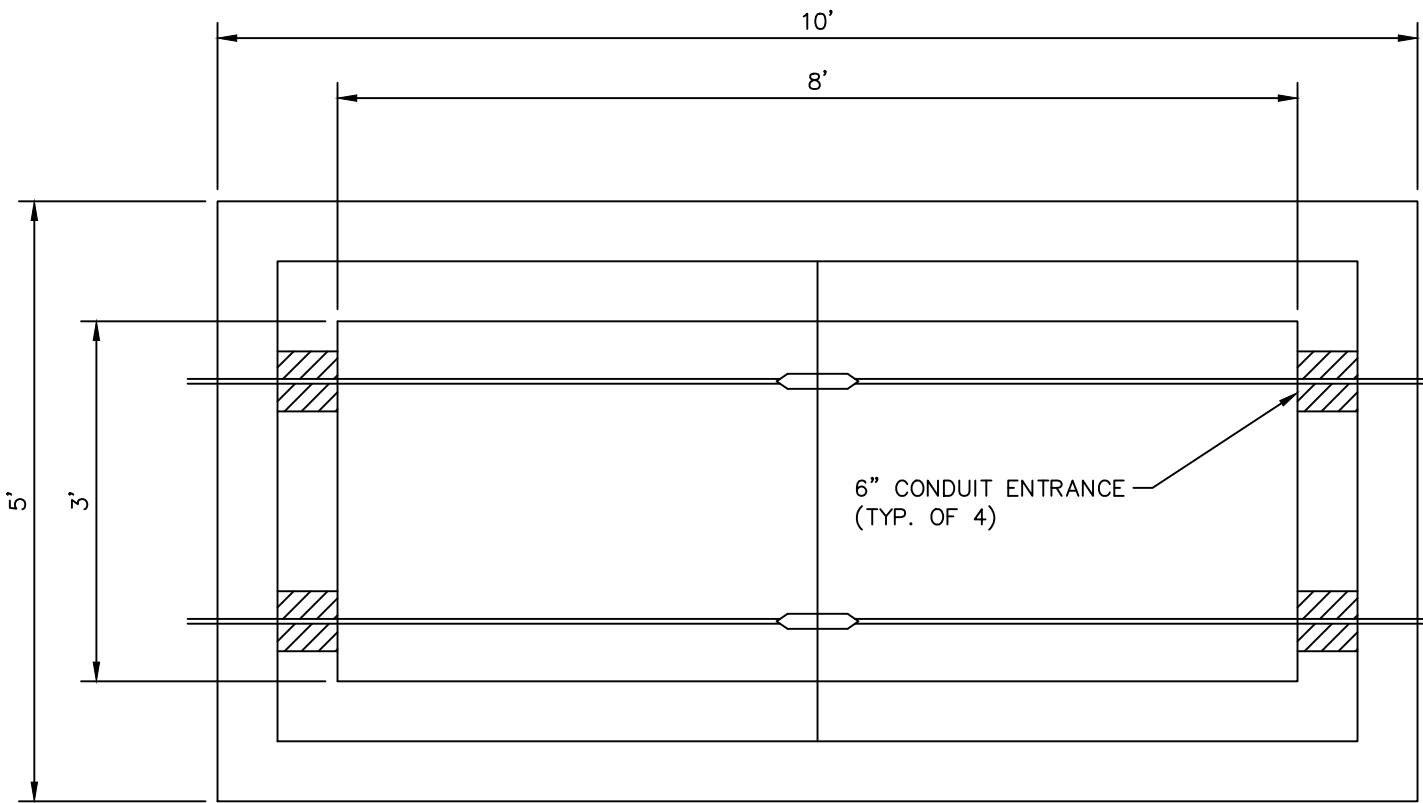
THIS METHOD IS NOT INTENDED FOR CASES WHERE CONDUIT IS INSTALLED STRICTLY FOR ROAD CROSSINGS ONLY. IN THESE CASES, EOM MARKERS SHOULD BE USED TO MARK THE CONDUIT ENDS.

TRACER WIRE INSTALLATION
N.T.S



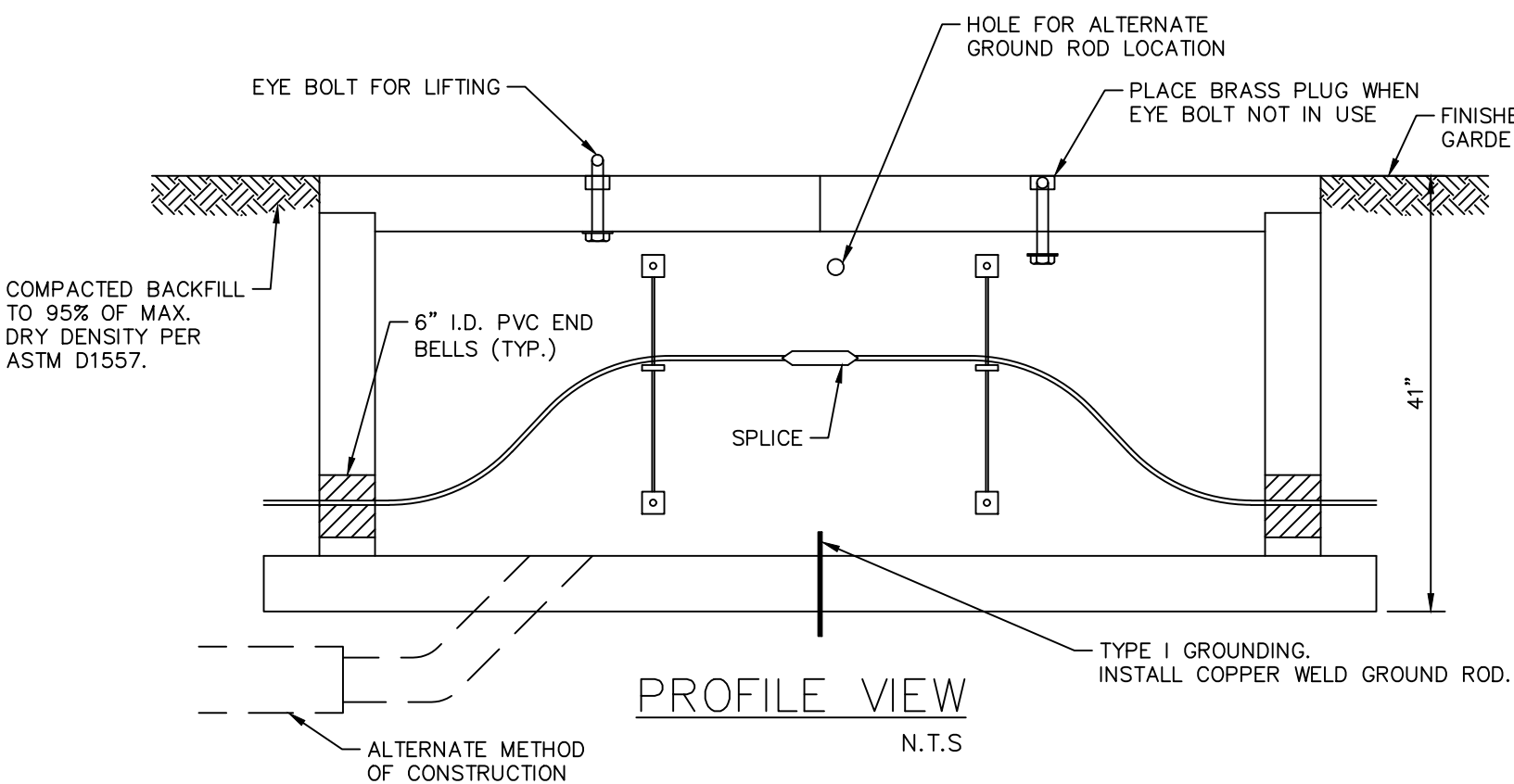
DUCT END MARKING
(IF REQUIRED)

ELECTRONIC CABLE MARKER
INSTALLATION DETAIL
N.T.S



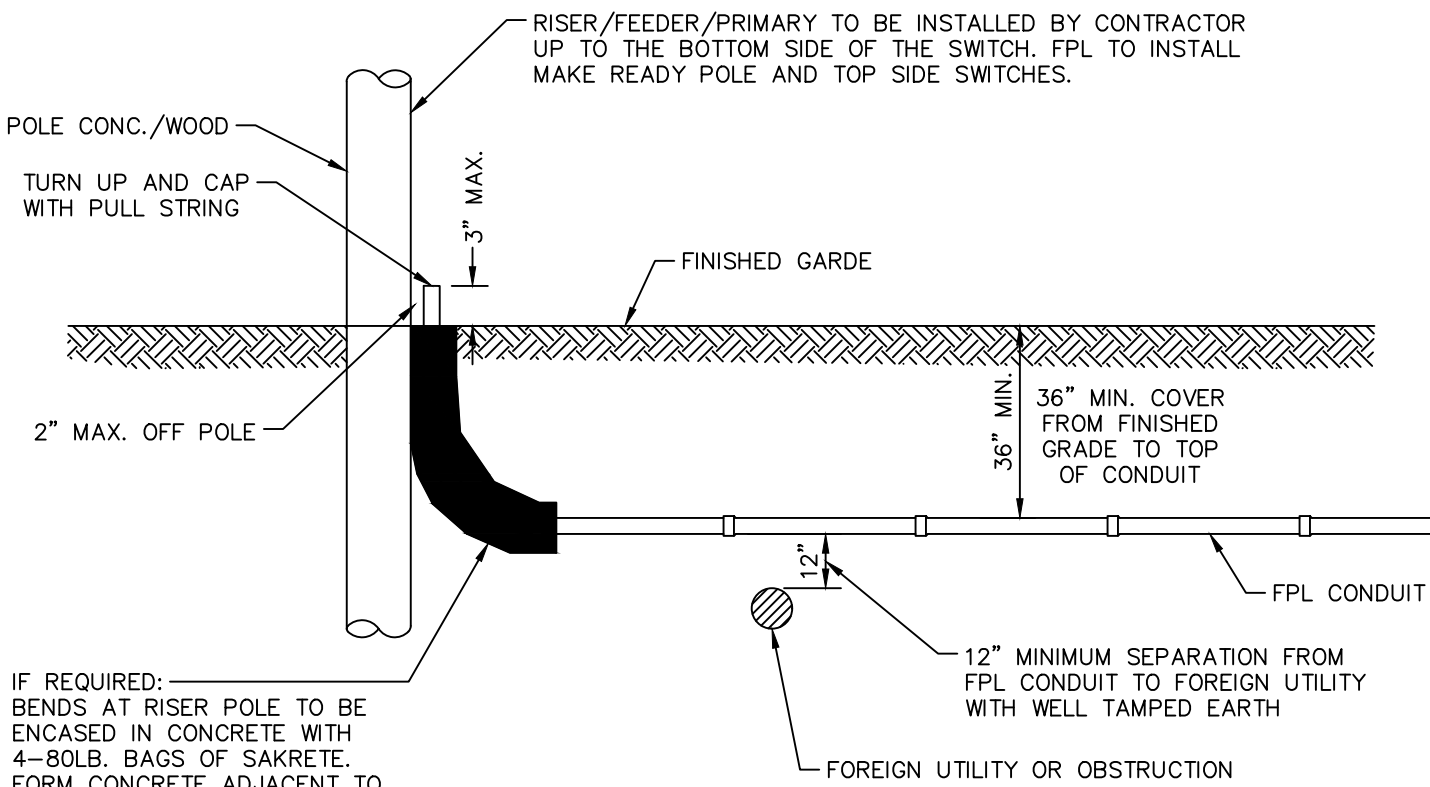
PLAN VIEW
N.T.S

NOTE:
SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



PROFILE VIEW
N.T.S

FEEDER SPLICE BOX



CONDUIT INSTALLATION
RISER POLE DETAIL
N.T.S

SEE FPL INSTALLATION NOTES FOR ADDITIONAL COVER REQUIREMENTS
WHEN INSTALLING CONDUITS BY TRENCHLESS METHODS UNDER S.R. A1A

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FOR PERMIT

FPL CONSTRUCTION DETAILS

PLOT DATE: Jul 10, 2023 - 11:28am
XREFS: IMAGES

BAR IS EQUAL TO ONE INCH
ON ORIGINAL DRAWING
ADJUST ALL SCALED
DIMENSIONS ACCORDINGLY

<div>CADD FILE: F:\well\well50ug\CAD\DWG\50UGS01_C4-1.dwg</div>					<div>SEAL</div> <div>SCOTT M. ROSSLOW FLORIDA P.E. NO. 79365</div> <div>DATE</div>	<div>FLORIDA RES. NO. 48</div> <div>MOCK•ROOS</div> <div>CONSULTING ENGINEERS</div> <div>5720 Corporate Way, West Palm Beach, Florida 33407 (561) 683-3113, www.MockRoos.com</div>	<div>FLORIDA L.B. NO. 48</div>	FIELD: ----	<div>50TH STREET</div> <div>WELLS 19 & 20</div> <div>OVERHEAD POWER CONVERSION</div> <div>WELL VFD PROJECT</div> <div>PALM BEACH COUNTY, FLORIDA</div>	DATE: FEBRUARY 2023
	2/ 6/12/2023	JWB	REVISION PER PBCLD	DRAWN: JWB				P.A. NO. WE002.10		
	1/ 5/8/23	SMR	REVISION PER PBCLD	DESIGN: SMR				DWG. NO. 44-41-25-03		
	NO.	DATE	BY	REVISION				APPR: JPC		SHEET: C4-1
										SCALE: AS SHOWN