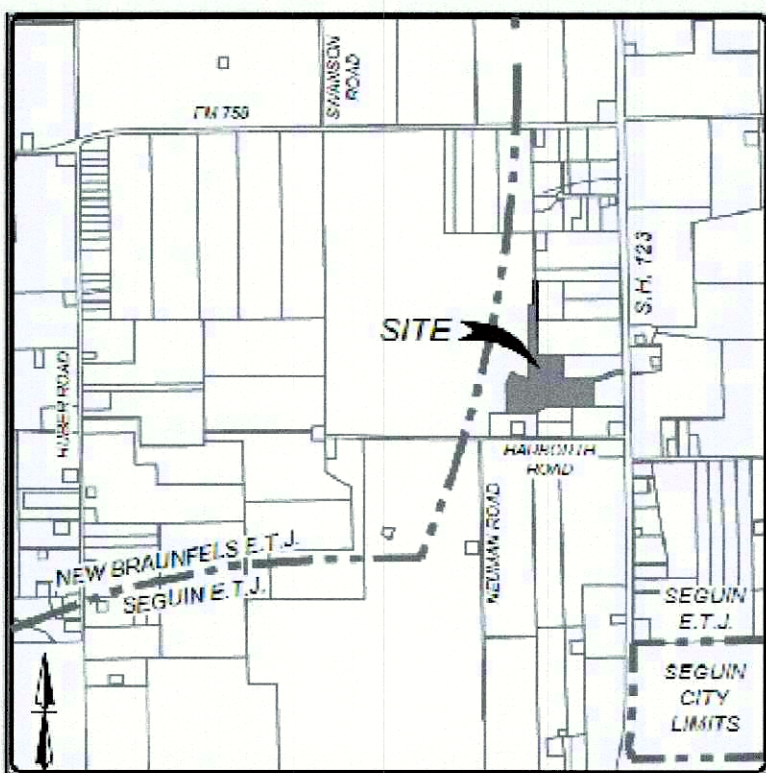


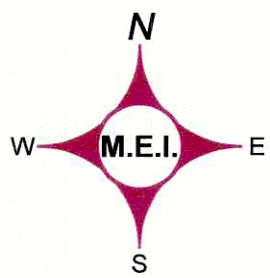
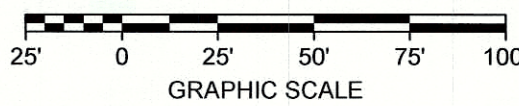


VICINITY MAP

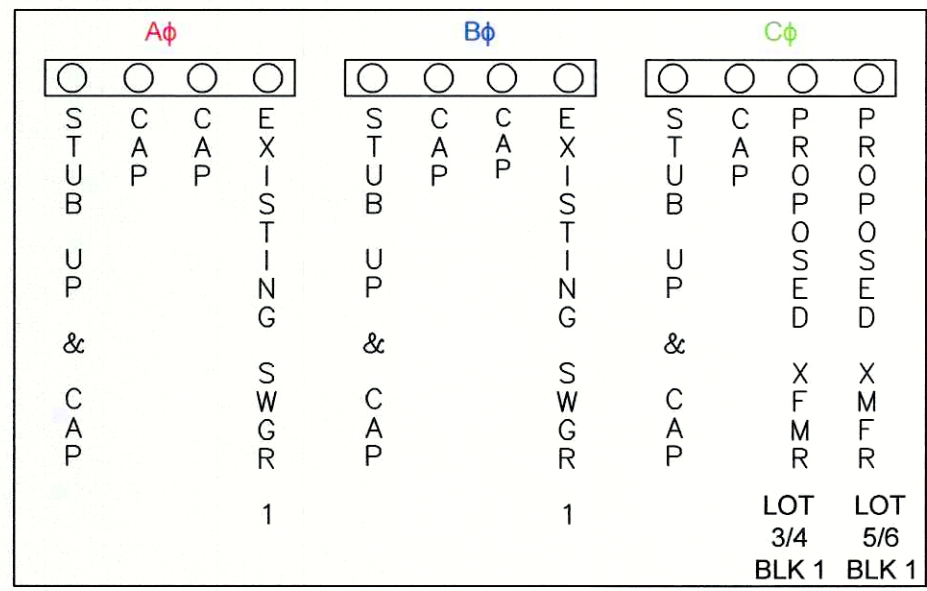
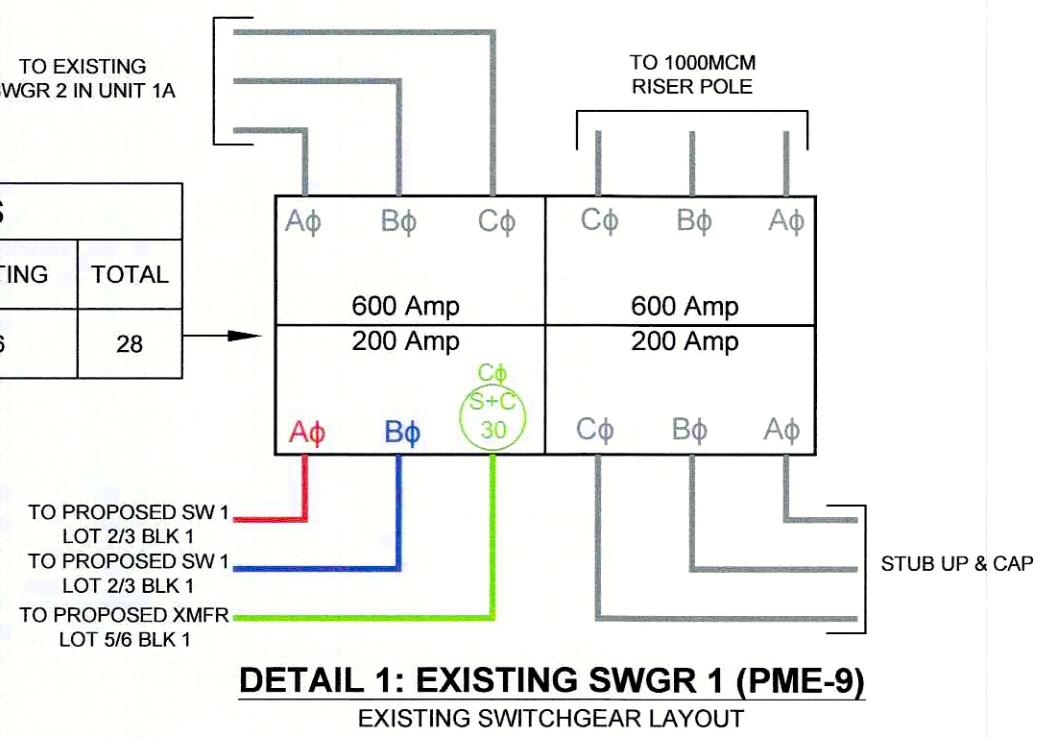
NOT TO SCALE

WO# 1962413
12 LOTS
1 LIGHTS

Upline Device
YC360
14.4/24.9 kV



PHASE	LOTS		
	PROPOSED UNIT ID	EXISTING	TOTAL
C	12	16	28

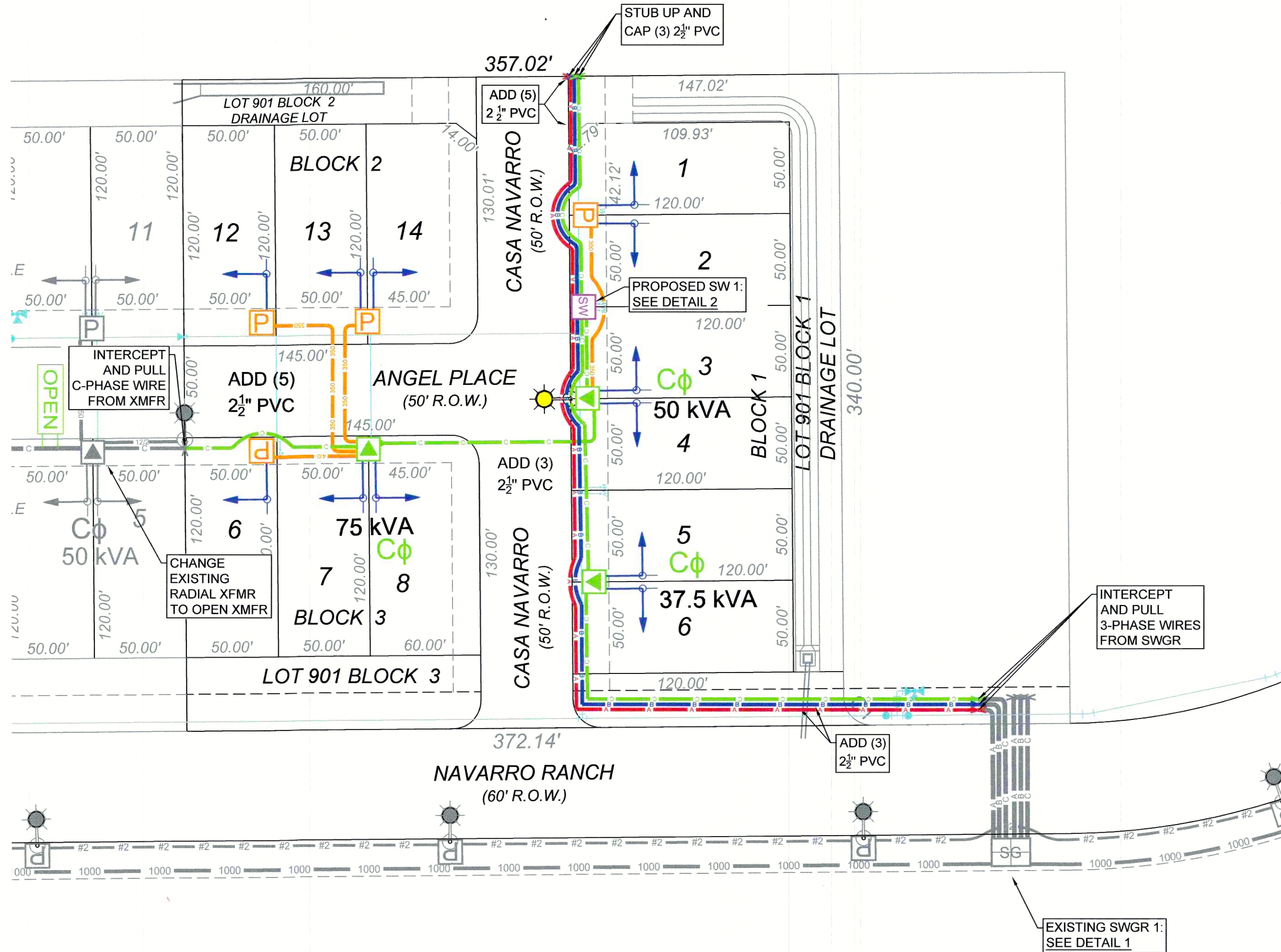


LEGEND:

- PROPOSED POLE
- PROPOSED POLE WITH RISER(S)
- EXISTING POLE
- STREET LIGHT
- SINGLE PHASE PAD MOUNT TRANSFORMER
- THREE PHASE PAD MOUNT TRANSFORMER
- SINGLE PHASE POLE MOUNT TRANSFORMER (NOT INCLUDED IN PROJECT SCOPE)
- SECONDARY PEDESTAL
- OPEN POINT
- SWITCH
- SWITCHGEAR
- PULL BOX
- WATER METERS
- A-PHASE PRIMARY UNDERGROUND - 1/0 AL 25KV IN (1) 2 1/2" PVC CONDUIT
- B-PHASE PRIMARY UNDERGROUND - 1/0 AL 25KV IN (1) 2 1/2" PVC CONDUIT
- C-PHASE PRIMARY UNDERGROUND - 1/0 AL 25KV IN (1) 2 1/2" PVC CONDUIT
- 1000 PRIMARY UNDERGROUND - 3-PHASE 1000 MCM AL 25KV IN (3) 4" PVC CONDUIT WITH (1) 2 1/2" PVC CONDUIT FOR FIBER
- 350 SECONDARY UNDERGROUND - 350 TPLX IN (1) 2 1/2" PVC CONDUIT WITH (1) 2 1/2" SPARE CONDUIT
- 4/0 SECONDARY UNDERGROUND - 4/0 TPLX IN (1) 2 1/2" PVC CONDUIT
- #2 SECONDARY UNDERGROUND - #2 TPLX IN (1) 2 1/2" PVC CONDUIT
- 12/2 SECONDARY STREETLIGHT CIRCUIT - 12/2 W/GND IN (1) 1" PVC CONDUIT
- FUTURE SERVICE STUB-OUT (CONDUIT ONLY)
- PROPOSED WATER LINES (BY OTHERS)

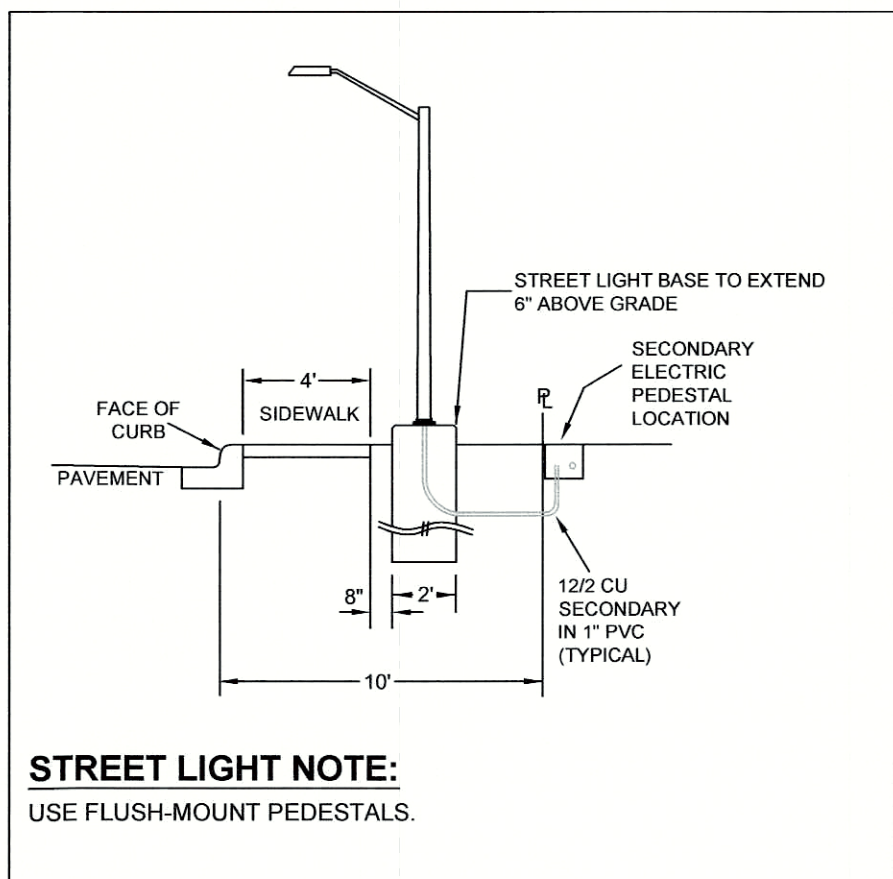
GENERAL NOTES:

- FOR FUTURE TEMPORARY SERVICE, STUB OUT (1) 2" FLEXIBLE ELECTRICAL PVC CONDUIT 6" BELOW GRADE CENTERED IN FRONT OF ALL TRANSFORMERS AND PEDESTALS. WHEN TEMPORARY SERVICE IS RETIRED, CUT OFF AND CAP 6" BELOW FINISHED GRADE.
- VERIFY ALL UNDERGROUND UTILITIES BEFORE DIGGING.
- ZACH HAUPERT WILL NOTIFY CONSTRUCTION CREWS WHEN IT IS OK TO PROCEED WITH INSTALLATION OF THE UNDERGROUND SYSTEM.
- GVEC TO HAVE A 5' WIDE ELECTRIC EASEMENT ON ALL ROAD CROSSINGS IN WHICH ELECTRIC LINES ARE PLACED.
- INSTALL THE CORRECT KV RATED PARKING STAND ARRESTORS AND LIGHTNING ARRESTORS FOR ALL OPEN POINT TRANSFORMERS.
- WATER PROVIDED BY CRYSTAL CLEAR SUD
- SEWER PROVIDED BY CITY OF SEGUIN

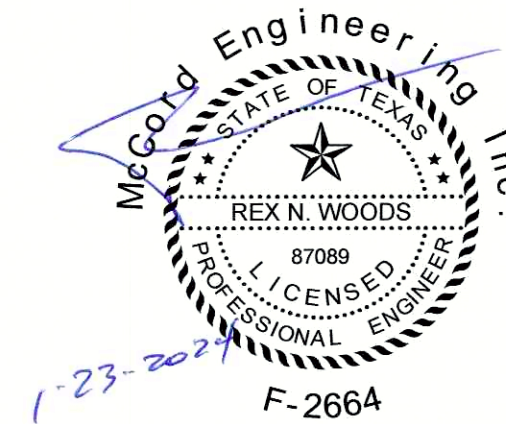


ROAD CROSSING DETAIL - REQUIRED CLEARANCE FROM WATER MAIN AND SERVICE LINES

ALL ELECTRIC CONDUITS PARALLEL WITH WATER MAIN OR SERVICE LINES TO HAVE SEVEN FOOT (7') HORIZONTAL CLEARANCE.



Material List		
Quantity	CU	Description
1168	U1/0AL25KV	1/0 AL 25KV Aluminum URD Primary Cable
40	U12/2UFW/GRD	12/2 UF Copper with Ground Street light Cable
262	U350ALTP	350 MCM URD Triplex Secondary Cable
72	U4/0ALTP	4/0 MCM URD Triplex Secondary Cable
3	UK6-350	Secondary pedestal, fed with 350 MCM URD triplex
1	UK6-4/0	Secondary pedestal, fed with 4/0 MCM URD triplex
1	UP30-5AL	30 ft. aluminum street light pole with one 54 watt type 3 LED luminaire
10	UPVC 1	1 Schedule 40 PVC"
2750	UPVC 2.5	2.5 Schedule 40 PVC"
1	UVG7-2D-37.5	37.5 kVA DV/120-240 Pad-Mounted Transformer, Loop
1	UVG7-2D-50	50 kVA DV/120-240 Pad-Mounted Transformer, Loop
1	UVG7-2D-75	75 kVA DV/120-240 Pad-Mounted Transformer, Loop
1	UVM33-3	3 Phase switch cabinet, 3-Way



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY REX N. WOODS, P.E. 87089 JANUARY 23, 2024

NOT VALID UNLESS SIGNED. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

APPROVED FOR CONSTRUCTION

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Delivering more.™

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DATE: 11-10-23 JOB NAME: NAVARRO RANCH
DRAWN BY: NDM UNIT 1D
CHECKED BY: DATE: 11-10-23 WORK ORDER #: WO# 1962413
SCALE: 1" = 50' DATE: 11-10-23 DWG NO.: MEI-17477
DRAWN BY: NDM JOB CODE: GVC-3-N.14 SHEET NO.: 1 OF 1
REV: 0