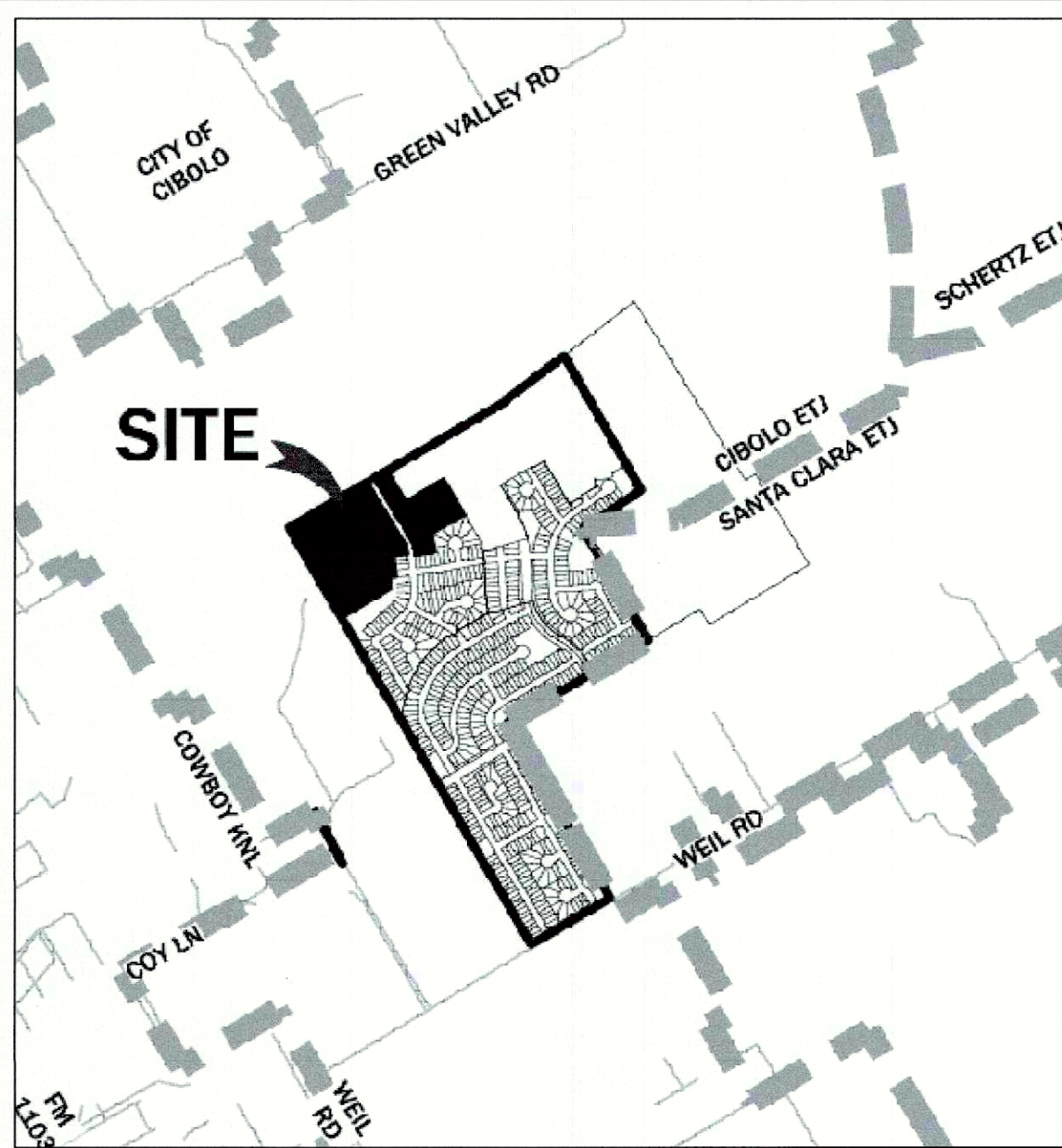


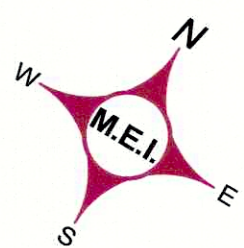


VICINITY MAP

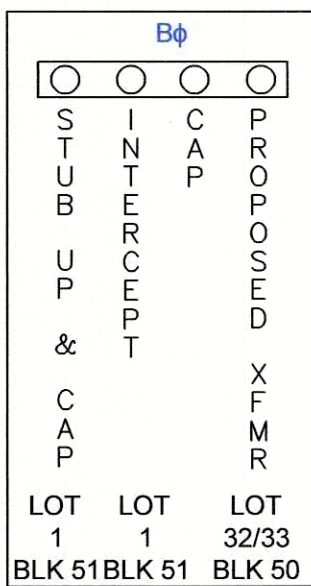
NOT TO SCALE

WO#1993395
111 LOTS
12 LIGHTS

Upline Device
MA401
14.4/24.9 kV

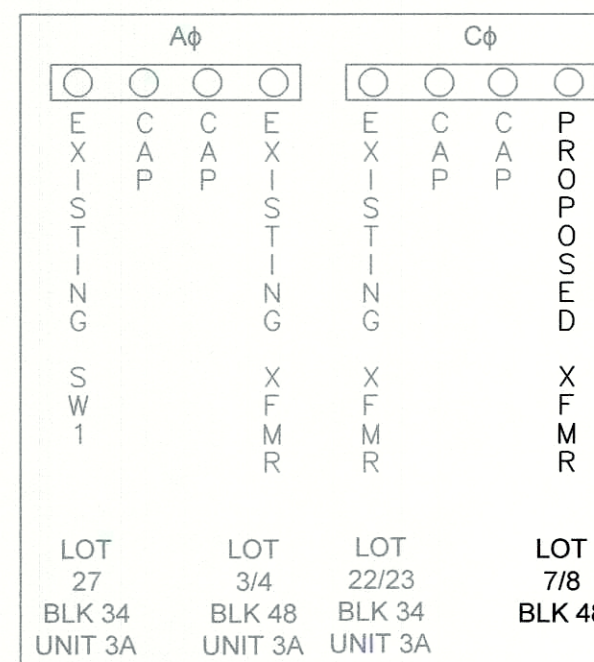


GRAPHIC SCALE



DETAIL 1: PROPOSED SW 1

PROPOSED SW 1 SWITCH CABINET

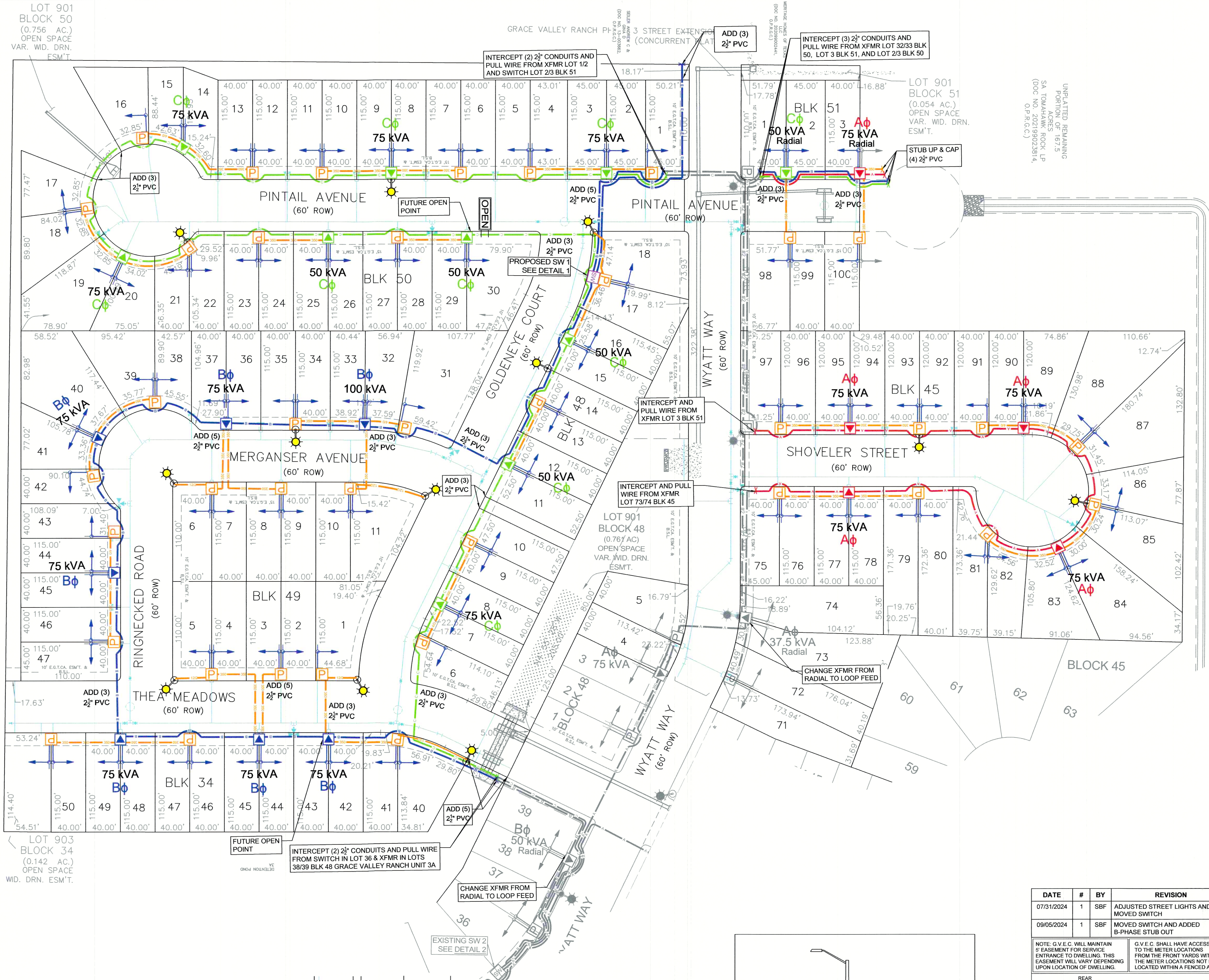


DETAIL 2: EXISTING SW 2

EXISTING SW 2 (A, C, D) SWITCH CABINET

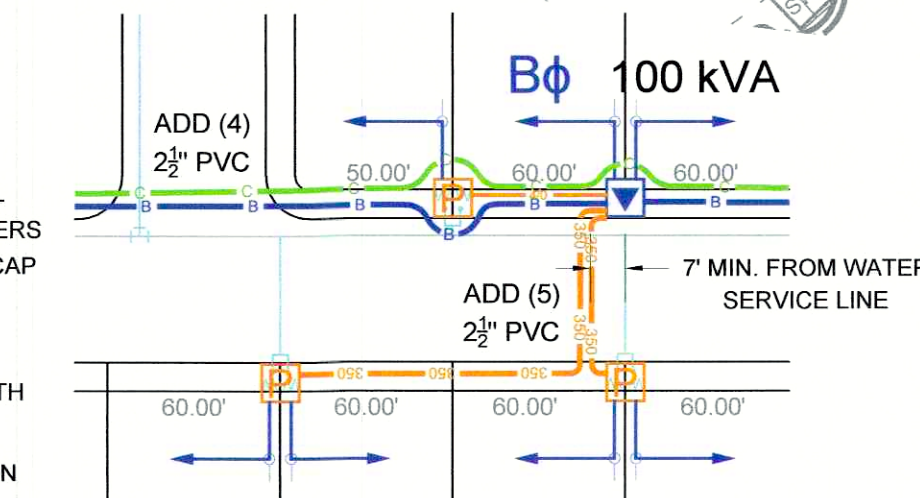
LEGEND:

- 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" PVC CONDUIT
- B-PHASE PRIMARY UNDERGROUND - 1/0 AL 25KV IN (1) 2" PVC CONDUIT
- C-PHASE PRIMARY UNDERGROUND - 1/0 AL 25KV IN (1) 2" PVC CONDUIT
- 3-PHASE PRIMARY UNDERGROUND - 3-PHASE 1/0 AL 25KV IN (3) 2" PVC CONDUIT
- 1000 PRIMARY UNDERGROUND - 3-PHASE 1000 MCM AL 25KV IN (3) 4" PVC CONDUIT WITH (1) 2" PVC CONDUIT FOR FIBER
- 350 SECONDARY UNDERGROUND - 350 TPLX IN (1) 2" PVC CONDUIT WITH (1) 2" SPARE CONDUIT
- 4/0 SECONDARY UNDERGROUND - 4/0 TPLX IN (1) 2" PVC CONDUIT
- #2 SECONDARY UNDERGROUND - #2 TPLX IN (1) 2" PVC CONDUIT
- 12/2 SECONDARY STREETLIGHT CIRCUIT - 12/2 WGN IN (1) 1" PVC CONDUIT
- FUTURE SERVICE STUB-OUT (CONDUIT ONLY)
- PROPOSED WATER LINES (BY OTHERS)



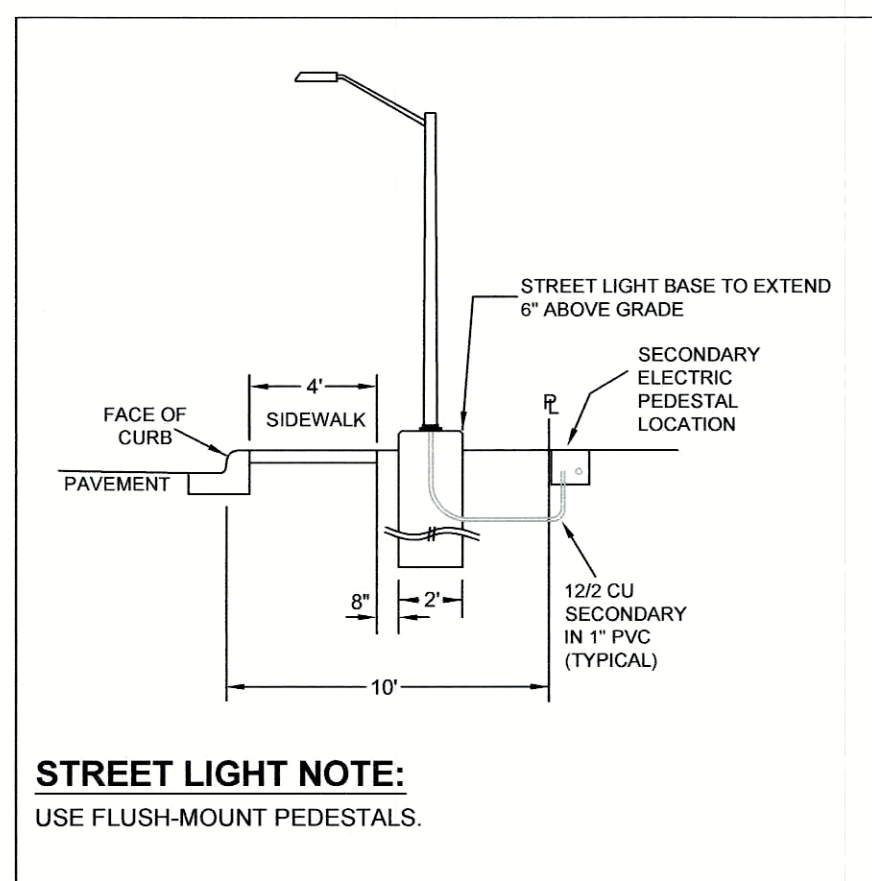
GENERAL NOTES:

- 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.
- GVEC STAFF WILL NOTIFY CONSTRUCTION CREWS WHEN 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.
- ALL UNDERGROUND CONDUIT FOR GVEC ELECTRICAL FACILITIES TO BE SCHEDULE 40, GRAY PVC UNLESS OTHERWISE SPECIFIED BY GVEC STAFF.
- WATER/SEWER PROVIDED BY G.V.S.U.D.



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

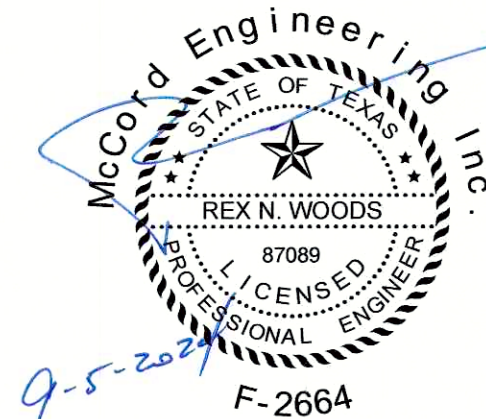
ALL ELECTRIC CONDUITS PARALLEL WITH WATER MAIN OR SERVICE LINES TO HAVE SEVEN FOOT (7') HORIZONTAL CLEARANCE.



STREET LIGHT NOTE:

USE FLUSH-MOUNT PEDESTALS.

Material List		
Quantity	CU	Description
6,893	U1/0AL25KV	1/0 AL 25KV Aluminum URD Primary Cable
751	U12/2UFW/GRD	12/2 UF Copper with Ground Street Light Cable
3,338	U350ALTP	350 MCM URD Triplex Secondary Cable
486	U4/0ALTP	4/0 MCM URD Triplex Secondary Cable
32	UK6-350	Secondary Pedestal, Fed with 350 MCM URD Triplex
7	UK6-4-0	Secondary Pedestal, Fed with 4/0 MCM URD Triplex
12	UP30-5AL	30 ft. Aluminum Street Light Pole
12	M60-C3LED	54W LED Type 3 LT for Aluminum Pole
271	UPVC 1	1" Schedule 40 PVC
13,134	UPVC 2 1/2	2.5" Schedule 40 PVC
2	UVG6- Small	14.4 kv Single Phase Radial Transformer (75kVA and Below)
19	UVG7- Small	14.4 kv Single Phase Loop Transformer (75kVA and Below)
1	UVG7- Large	14.4 kv Single Phase Loop Transformer (100kVA and Above)
1	100 PAD 14.4 120	100kVA Padmount Transformer
16	75 PAD 14.4 120	75kVA Padmount Transformer
5	50 PAD 14.4 120	50kVA Padmount Transformer
1	UVM31-3	1 Phase Switch Cabinet, 3-Way



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY REX N. WOODS, P.E. 8/7/089 SEPTEMBER 5, 2024

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APPROVED FOR CONSTRUCTION

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GONZALES, TEXAS 78629-0118
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1800-223-GVEC(4832)
FAX 210-672-9841
e-mail info@gvec.org

DATE	7-15-24	JOB NAME	Grace Valley Ranch
DRAWN BY	REH	UNIT	Unit 3B
CHECKED BY			
DATE	7-15-24	WORK ORDER #	WO#1993395
SCALE	1" = 60'		
DRAWN BY	REH	JOB CODE	GVC-3-G-19
DATE	7-15-24	DWG NO.	MEI-17945
SHEET NO.	1 OF 1	REV	1