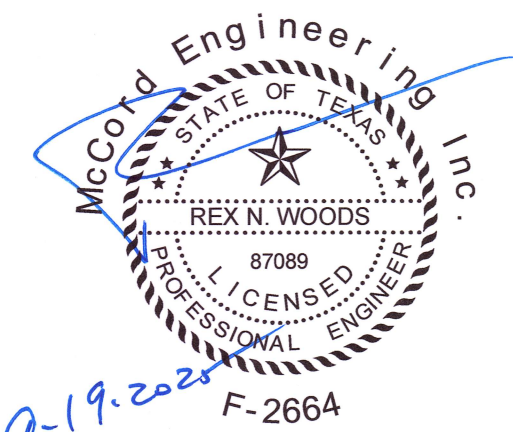
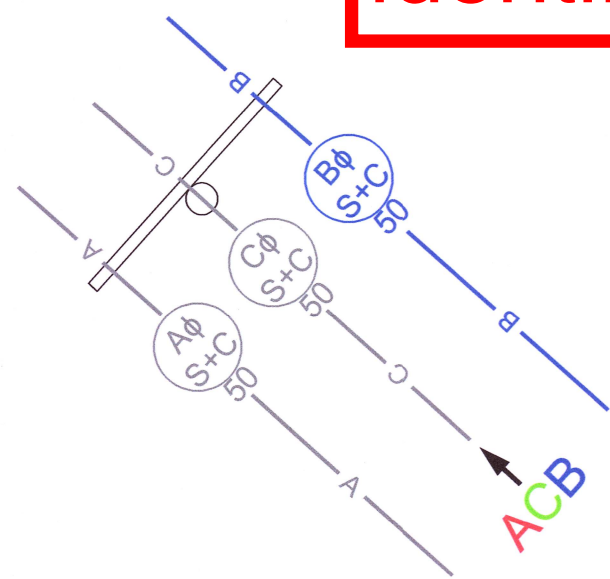


Material List		
Quantity	CU	Description
5,071	U1/0AL25KV	1/0 AL 25KV Aluminum URD Primary Cable
1,125	U12/2UFW/GRD	12/2 UF Copper with Ground Street Light Cable
4,337	U350ALT	350 MCM URD Triplex Secondary Cable
74	U4/0ALT	4/0 MCM URD Triplex Secondary Cable
34	UK6-350	Secondary Pedestal, Fed with 350 MCM URD Triplex
1	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
605	UPVC 1	1" Schedule 40 PVC
11,640	UPVC 2 1/2	2.5" Schedule 40 PVC
3	UVG5- Large	14.4 kv Single Phase Open Transformer (100kVA and Above)
5	UVG7- Small	14.4 kv Single Phase Loop Transformer (75kVA and Below)
6	UVG7- Large	14.4 kv Single Phase Loop Transformer (100kVA and Above)
9	100 PAD 14.4 120	100kVA Padmount Transformer
3	75 PAD 14.4 120	75kVA Padmount Transformer
1	50 PAD 14.4 120	50kVA Padmount Transformer
1	37.5 PAD 14.4 120	37.5kVA Padmount Transformer
1	UVM31-2	1 Phase Switch Cabinet, 2-Way
1	UVM32-2	2 Phase Switch Cabinet, 2-Way

Contractor to include additional sleeve for spectrum at all crossings identified in this plan.



### **DETAIL 5: EXISTING RISER 1**


ON EXISTING RISER POLE:

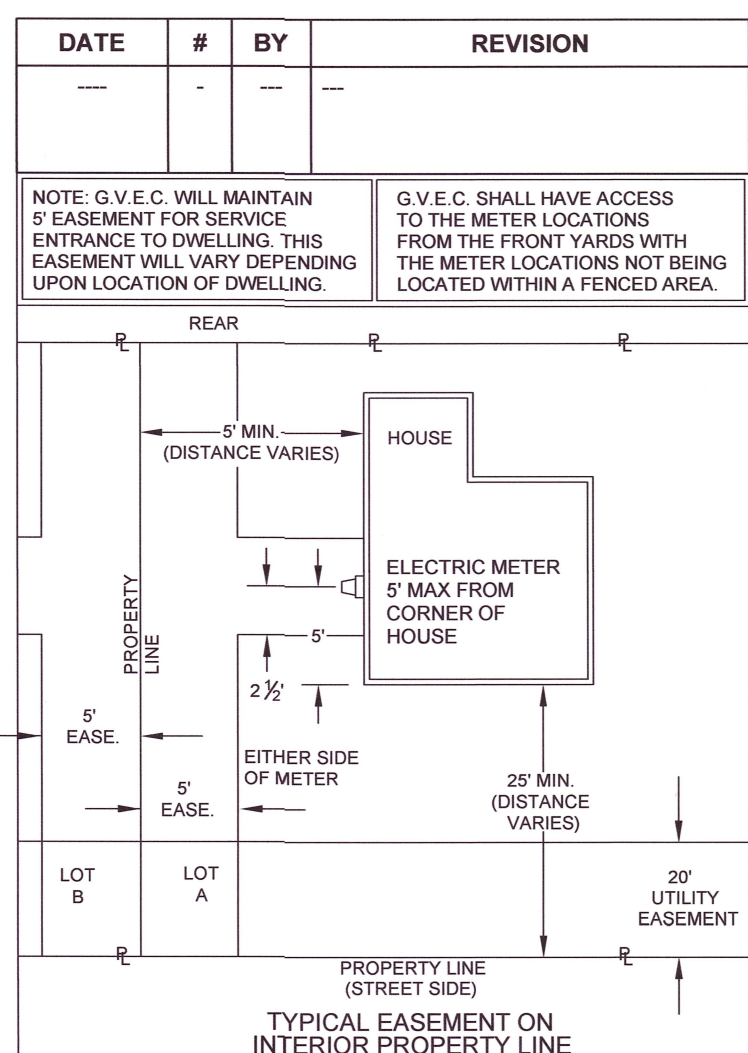
- ONE (1) **A** RISER AND ONE (1) **A** 50 S&C FUSE
- ONE (1) **B** RISER AND ONE (1) **B** 50 S&C FUSE
- ONE (1) **C** RISER AND ONE (1) **C** 50 S&C FUSE

APPROVED  
FOR CONSTRUCTION

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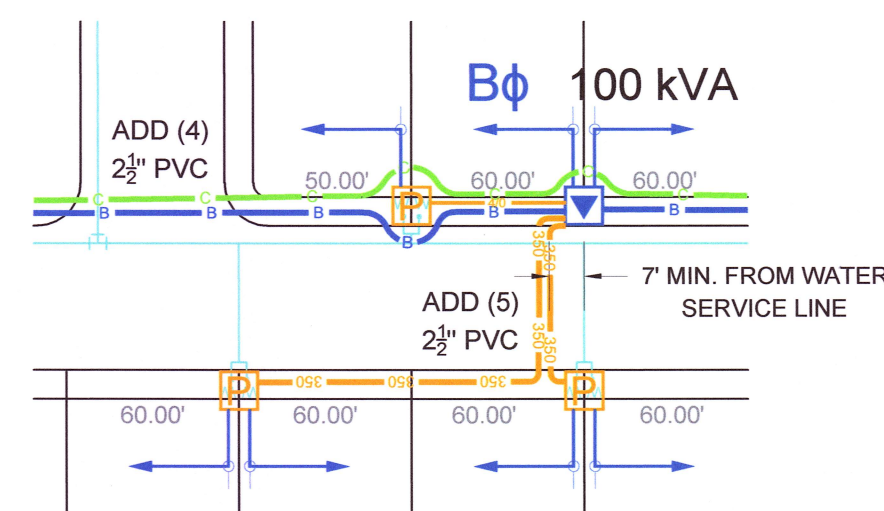
**GUADALUPE VALLEY ELECTRIC CO-OP., INC.**  
P.O. BOX 118 • 825 E. SARAH DeWITT DR.  
GONZALES, TEXAS 78629-0118  
830-672-2871  
1800-223-GVEC(4832)  
FAX 210-672-9841  
e-mail [info@gvec.org](mailto:info@gvec.org)

DATE:	09/19/2025	JOB NAME:	SOUTH POINT UNIT 6		
DRAWN BY:	EH				
CHECKED BY:					
DATE:	09/19/2025	WORK ORDER #	WO# 2061066		
SCALE:	1"=100'				
 <b>McCord ENGINEERING, INC.</b>		Texas Registered Engineering Firm #266-00000 916 Southwest Parkway East College Station, TX 77840 (979) 764-8356			
SCALE:	1"=100'	DATE:	09/19/2025	DWG NO:	SHEET NO:
					1 OF 1
DRAWN BY:	EH	JOB CODE:	MEI-18831		REV:
		GVC-3-S.51			1



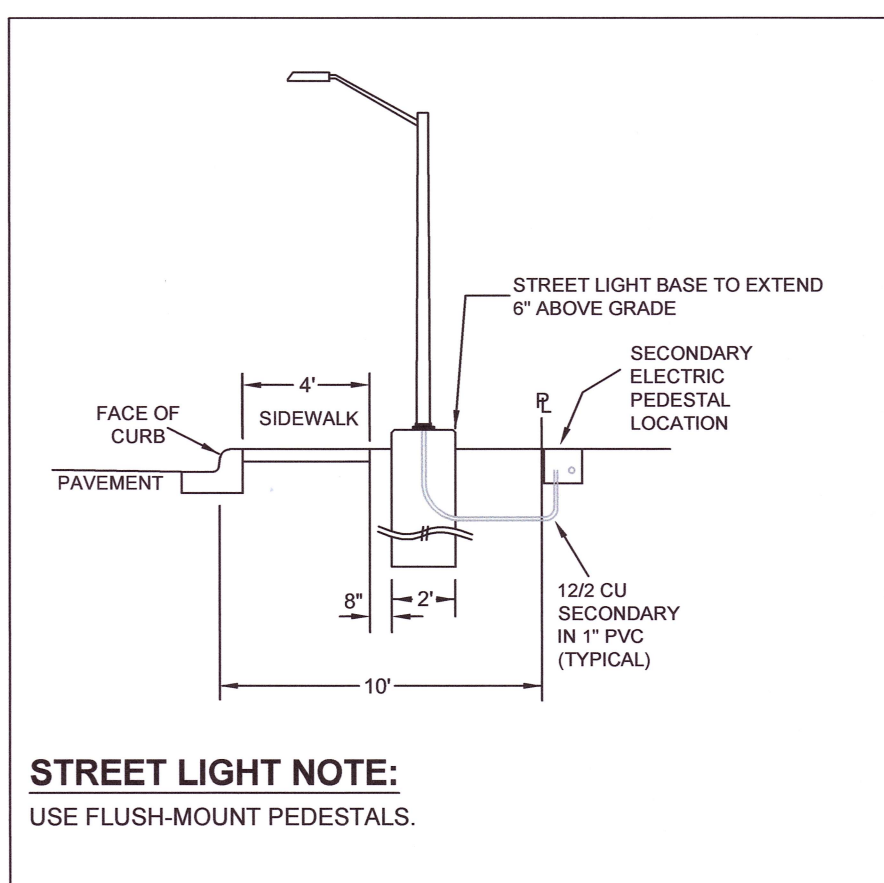
GENERAL NOTES:

1. 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.
2. VERIFY ALL UNDERGROUND UTILITIES BEFORE DIGGING.
3. GVEC STAFF WILL NOTIFY CONSTRUCTION CREWS WHEN TO PROCEED WITH INSTALLATION OF THE UNDERGROUND SYSTEM.
4. GVEC TO HAVE A 5' WIDE ELECTRIC EASEMENT ON ALL ROAD CROSSINGS IN WHICH ELECTRIC LINES ARE PLACED.
5. INSTALL THE CORRECT V RATED PARKING STAND ARRESTORS AND LIGHTNING ARRESTORS FOR ALL OPEN POINT TRANSFORMERS.
6. ALL UNDERGROUND CONDUIT FOR GVEC ELECTRIC FACILITIES TO BE SCHEDULED 40, GRAY PVC UNLESS OTHERWISE SPECIFIED BY GVEC STAFF.
7. WATER/SEWER PROVIDED BY GUADALUPE-BLANCO RIVER AUTHORITY (GBRA)
8. ALL CROSSINGS TO BE INSTALLED BY THE DEVELOPER'S CIVIL CONTRACTOR ACCORDING TO THE GVEC APPROVED FOR CONSTRUCTION DESIGN. ALL ROAD CROSSINGS MUST CROSS ANY WET UTILITIES THAT ARE IN THE ROADWAY OR ROW AS WELL AND BE INSPECTED BY GVEC PERSONNEL.



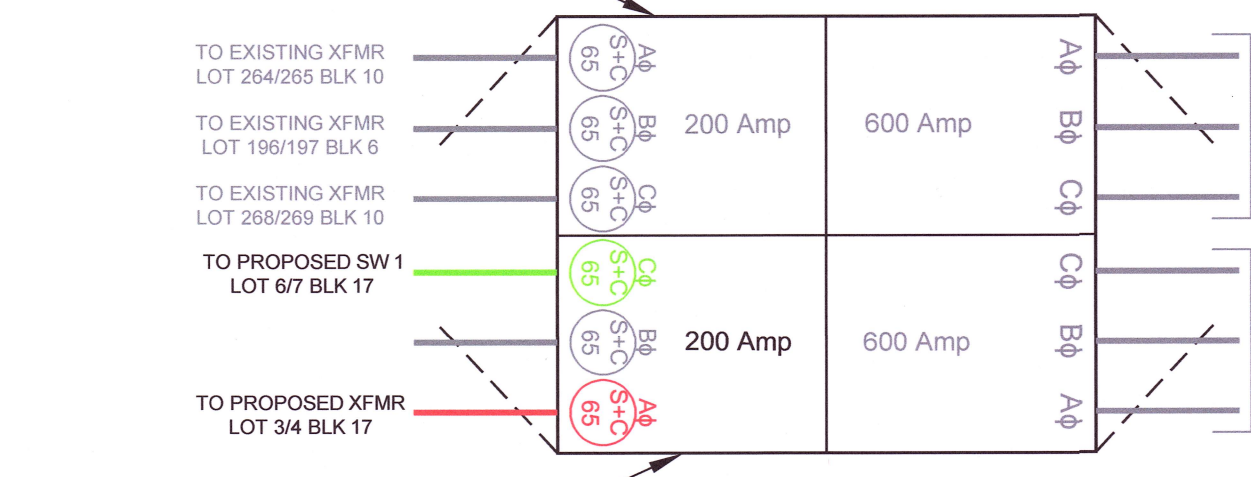
### ROAD CROSSING DETAIL - REQUIRED CLEARANCE FROM WATER MAIN AND SERVICE LINES

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



**STREET LIGHT NOTE:**  
USE FLUSH-MOUNT PEDESTALS

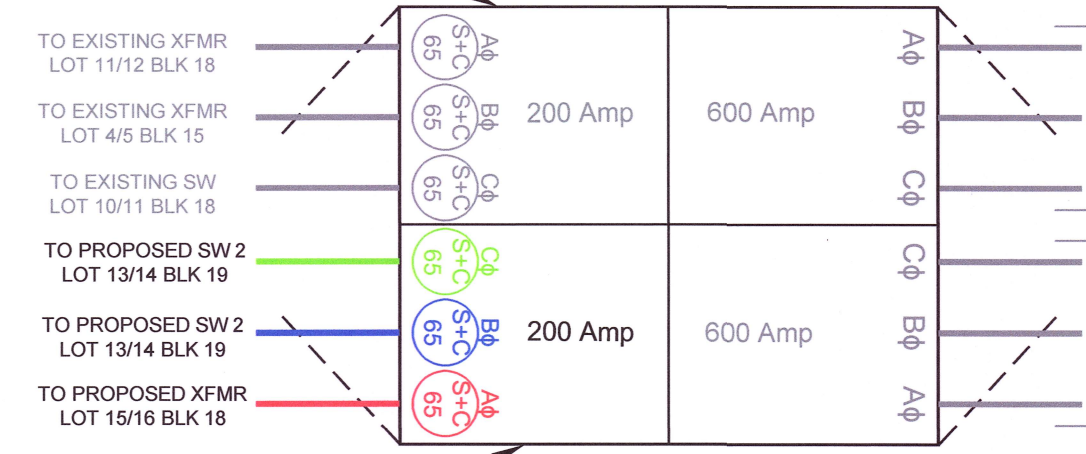
PHASE		
	EXISTING	TOTAL
Aφ	40	40
Bφ	36	36
Cφ	31	31



PHASE	LOTS	
	PROPOSED UNIT 6	TOTAL
Aφ	33	33
Cφ	33	33

**DETAIL 1: EXISTING SWGR 1 (PME-9)**  
EXISTING SWITCHGEAR LAYOUT

























PHASE		
	EXISTING	TOTAL
A♠	38	38
B♠	48	48
C♠	39	39



EMERSON AVE  
**DETAIL 2: EXISTING SWGR 2 (PME-9)**  
EXISTING SWITCHGEAR LAYOUT

PHASE	UNIT 6	
	PROPOSED	TOTAL
Aφ	33	33
Bφ	30	30
Cφ	33	33

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<br>(NOT INCLUDED IN PROJECT SCOPE)                              |
|  | — SECONDARY PEDESTAL  |
|  | — OPEN POINT  |
|  | — SWITCH  |
|  | — SWITCHGEAR  |
|  | — PULL BOX  |
|  | — WATER METERS  |
|  | A—A-PHASE PRIMARY UNDERGROUND - 1/0 AL 2  |
|  | B—B-PHASE PRIMARY UNDERGROUND - 1/0 AL 2  |
|  | C—C-PHASE PRIMARY UNDERGROUND - 1/0 AL 2  |
|  | ABC—3-PHASE PRIMARY UNDERGROUND - 3-PHASE<br>CIRCUIT  |
|  | 1000—PRIMARY UNDERGROUND - 3-PHASE 1000 MM<br>CONDUIT WITH (1) 2 <sup>1/2</sup> PVC CONDUIT FOR FIBER |
|  | 350—SECONDARY UNDERGROUND - 350 TPLX IN (1)<br>SPATIAL CONDUIT  |
|  | 4/0—SECONDARY UNDERGROUND - 4/0 TPLX IN (1)   |
|  | #2—SECONDARY UNDERGROUND - #2 TPLX IN (1)   |
|  | 12/2—SECONDARY STREETLIGHT CIRCUIT - 12/2 W   |
|  | — FUTURE SERVICE STUB-OUT (CONDUIT ONLY)  |
|  | — PROPOSED WATER LINES (BY OTHERS)  |