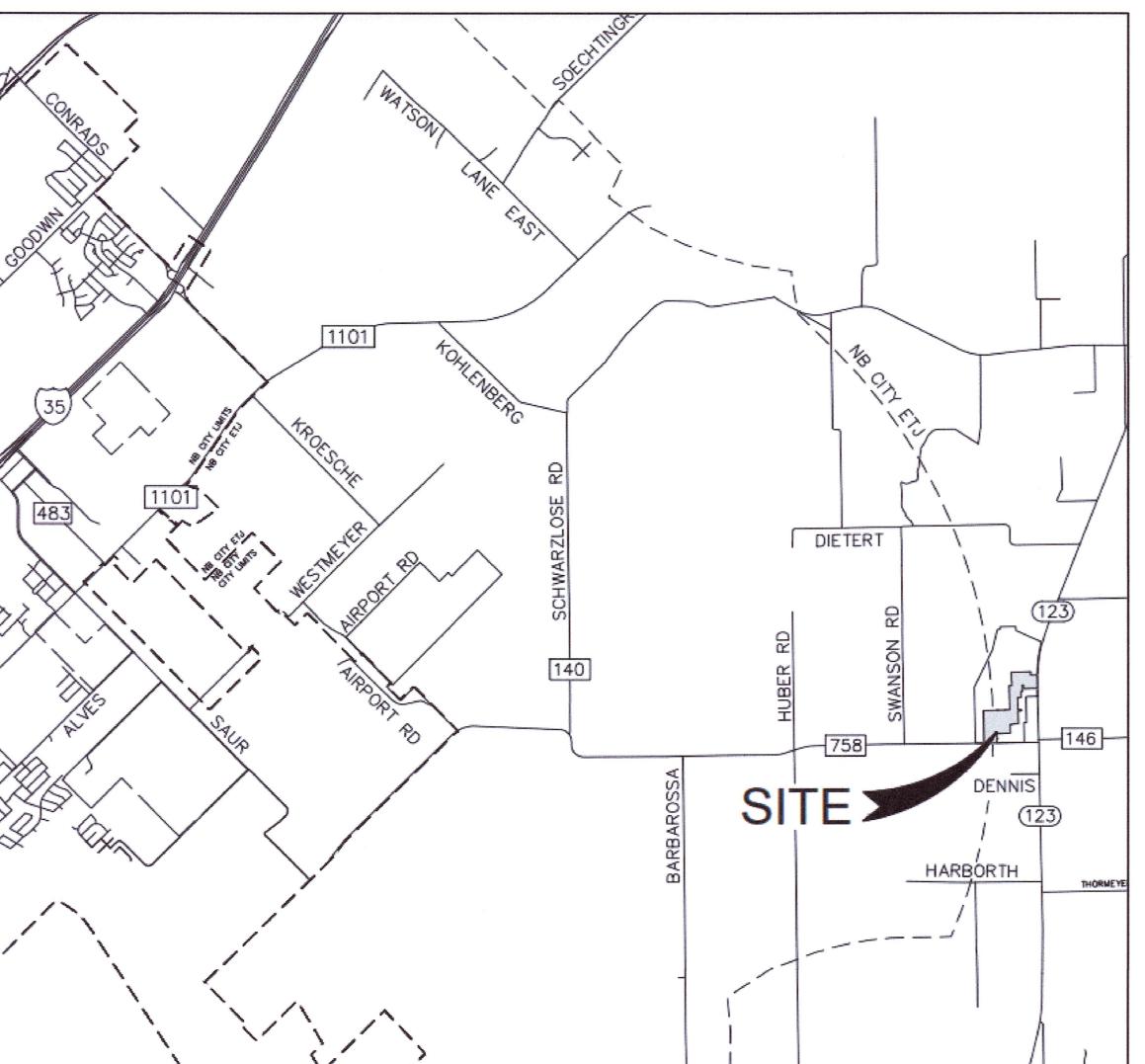
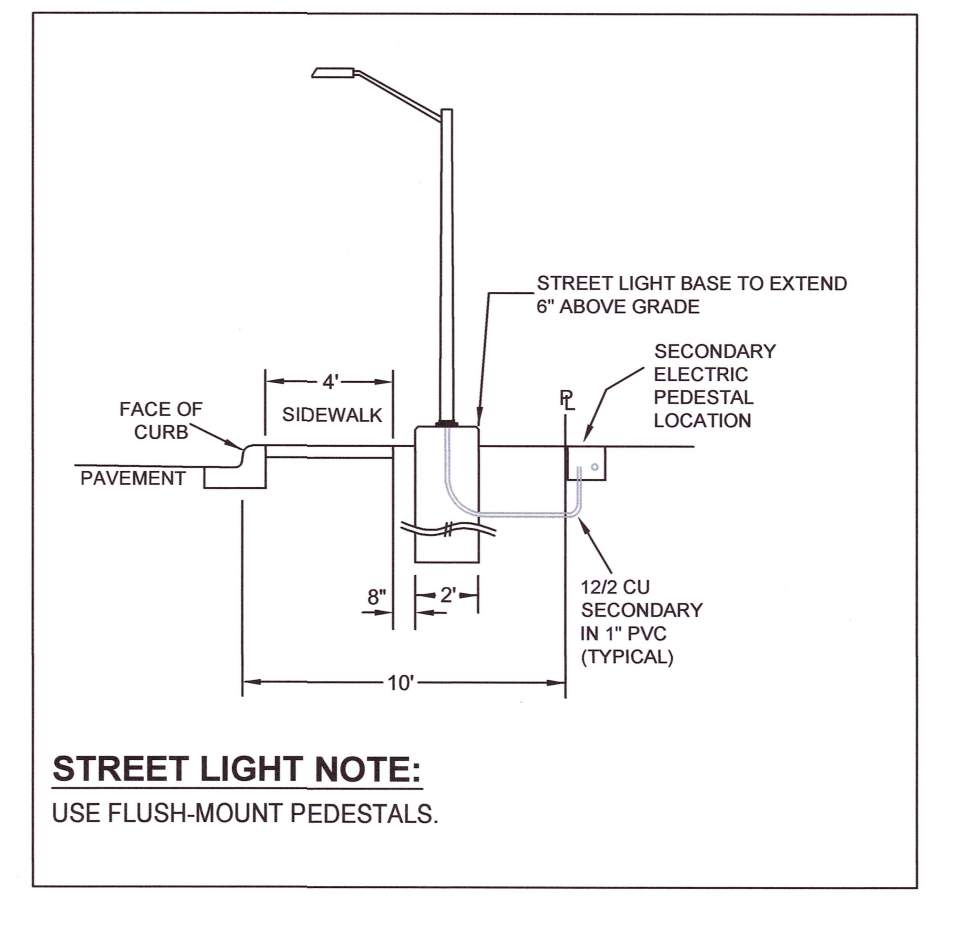
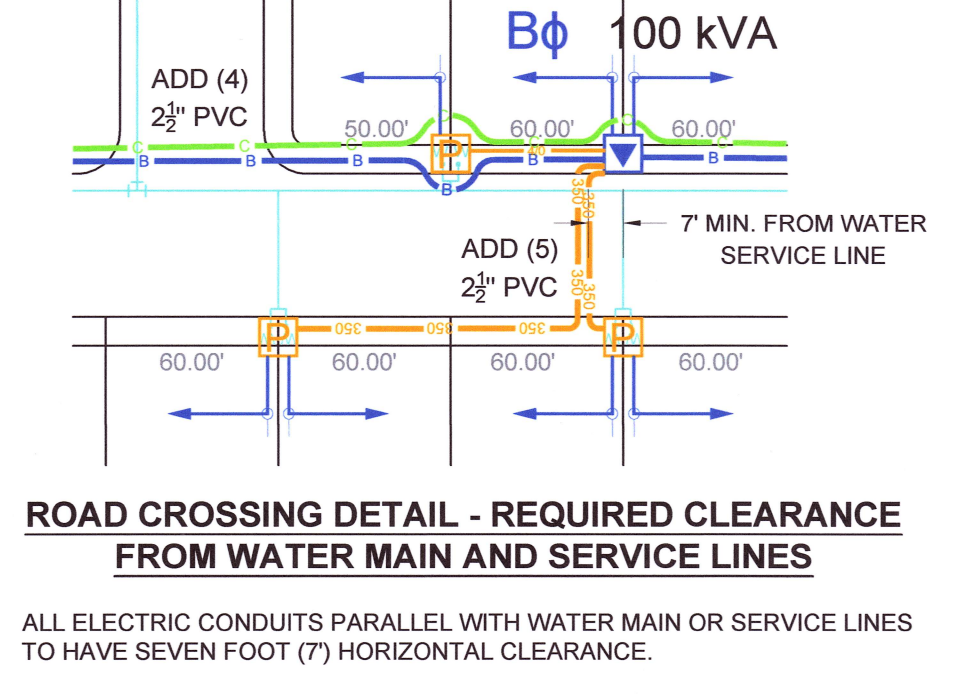
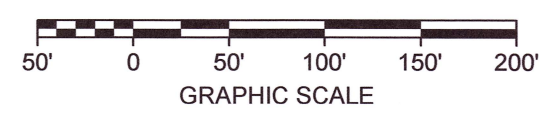


- GENERAL NOTES:**
- FOR FUTURE TEMPORARY SERVICE, STUB OUT (1) 2" FLEXIBLE ELECTRICAL PVC CONDUIT 6" BELOW GRADE CENTERED IN FRONT OF ALL TRANSFORMERS AND PEDESTALS. WHEN TEMPORARY SERVICE IS RETIRED, CUT OFF AND CAP 6" BELOW FINISHED GRADE.
  - VERIFY ALL UNDERGROUND UTILITIES BEFORE DIGGING.
  - GVEC 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 ELECTRIC FACILITIES TO BE SCHEDULE 40, GRAY PVC UNLESS OTHERWISE SPECIFIED BY GVEC STAFF.
  - WATER PROVIDED BY CRYSTAL CLEAR SUD.
  - SEWER PROVIDED BY CITY OF SEGUIN.



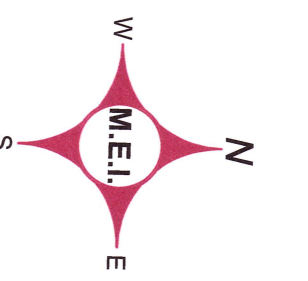
**VICINITY MAP**  
NOT TO SCALE

Each road crossing is to extend 2' past the ROW

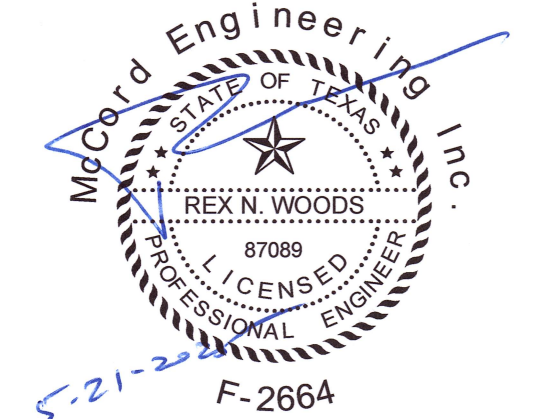


**WO# 2034434**  
**249 LOTS**  
**29 LIGHTS**

**Upline Device**  
**YC301**  
**14.4/24.9 kV**



Material List		
Quantity	CU	Description
11,446	U1/0AL25KV	1/0 AL 25KV Aluminum URD Primary Cable
7,495	U1000AL25KV	1000 MCM Aluminum URD Primary Cable
1,960	U12/2UFW/GRD	12/2 UF Copper with Ground Street Light Cable
9,883	U350ALTP	350 MCM URD Triplex Secondary Cable
1,027	U4/0ALTP	4/0 MCM URD Triplex Secondary Cable
82	UK6-350	Secondary Pedestal, Fed with 350 MCM URD Triplex
15	UK6-4-0	Secondary Pedestal, Fed with 4/0 MCM URD Triplex
3	UM3E-3-9	Three Phase 600 Amp Dead Front Switchgear with 2 Source and 2-200 Amp Load Compartments
29	UP30-5AL	30 ft. Aluminum Street Light Pole
29	M60-C3LED	54W LED Type 3 LT for Aluminum Pole
800	UPVC 1	1" Schedule 40 PVC
29,168	UPVC 2 1/2	2.5" Schedule 40 PVC
5,799	UPVC 4	4" Schedule 40 PVC
2	UVG5- Small	14.4 kv Single Phase Open Transformer (75kVA and Below)
2	UVG5- Large	14.4 kv Single Phase Open Transformer (100kVA and Above)
1	UVG6- Small	14.4 kv Single Phase Radial Transformer (75kVA and Below)
1	UVG6- Large	14.4 kv Single Phase Radial Transformer (100kVA and Above)
15	UVG7- Small	14.4 kv Single Phase Loop Transformer (75kVA and Below)
18	UVG7- Large	14.4 kv Single Phase Loop Transformer (100kVA and Above)
21	100 PAD 14.4 120	100kVA Padmount Transformer
16	75 PAD 14.4 120	75kVA Padmount Transformer
2	50 PAD 14.4 120	50kVA Padmount Transformer
1	UVM31-4	1 Phase Switch Cabinet, 4-Way
2	UVM33-2-600	3 Phase Switch Cabinet, 2-Way, 600 Amp



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY REX N. WOODS, P.E. 87089 MAY 19, 2025  
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**



**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

REVISION			
DATE	#	BY	
NOTE: G.V.E.C. WILL MAINTAIN 5' EASEMENT FOR SERVICE ENTRANCE TO DWELLING. THIS EASEMENT WILL VARY DEPENDING UPON LOCATION OF DWELLINGS.			
G.V.E.C. SHALL HAVE ACCESS TO THE METER LOCATIONS FROM THE FRONT YARDS WITH THE METER LOCATIONS NOT BEING LOCATED WITHIN A FENCED AREA.			
TYPICAL EASEMENT ON INTERIOR PROPERTY LINE			

DATE	05/19/2025	JOB NAME	JARO NORTH UNIT 2
DRAWN BY	SBF		
CHECKED BY			
DATE		WORK ORDER #	WO# 2034434
SCALE	1" = 100'		
SCALE:	1" = 100'	DATE:	05/19/2025
DRAWN BY:	SBF	JOB CODE:	GVC-3-J-4
		OWS NO.	MEI-18433
		SHEET NO.	1 OF 2
		REV.	2



[illegible]

LYNX CROSSING

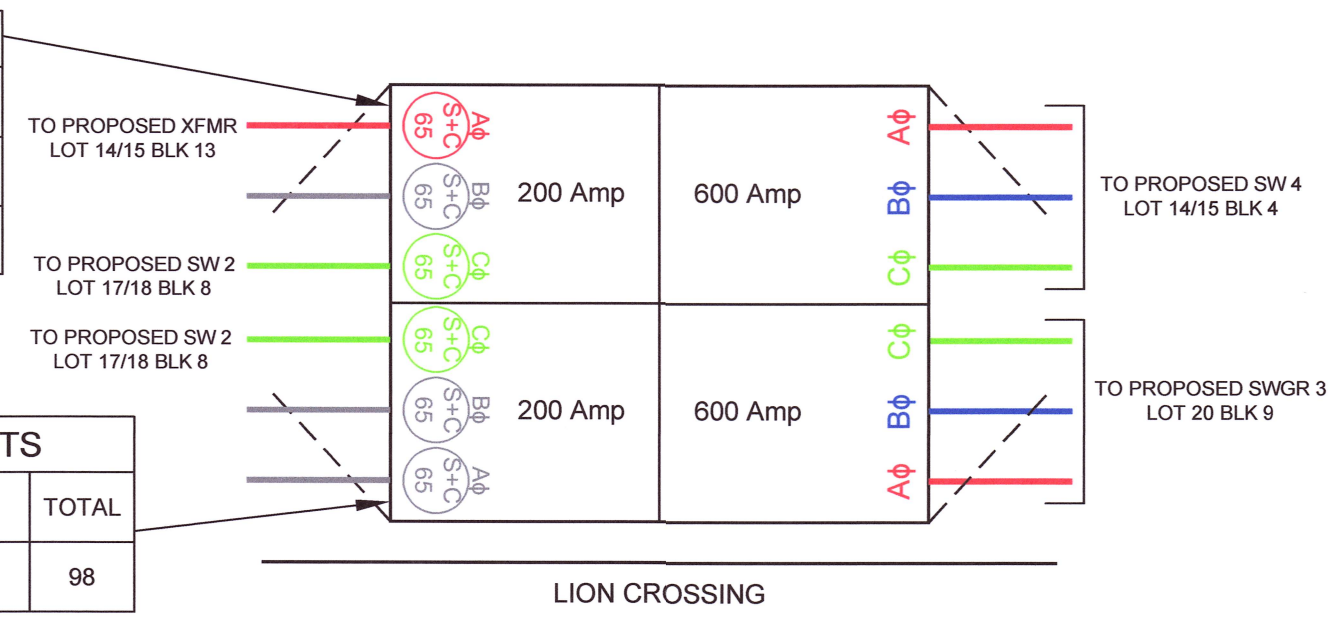
**DETAIL 1: EXISTING SWGR 1 (PME-9)**  
EXISTING UNIT 1 SWITCHGEAR LAYOUT

PHASE	LOTS		
	PROPOSED UNIT 2	EXISTING	TOTAL
A	39	0	39
B	36	12	48
C	36	0	36



**DETAIL 2: EXISTING SW 1**  
EXISTING 3 $\phi$  600 AMP SWITCH CABINET

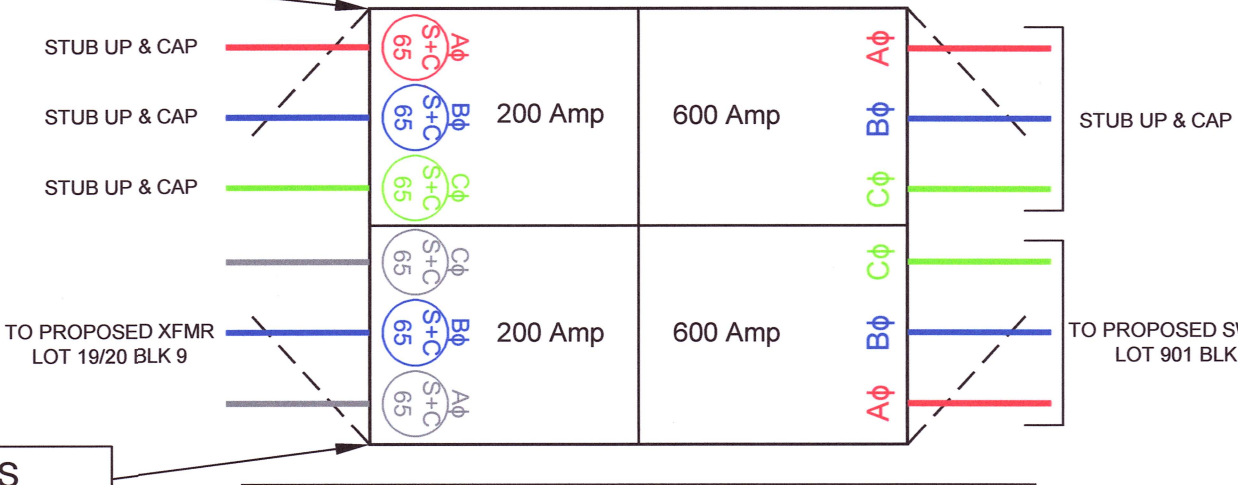
PHASE	LOTS		
	PROPOSED UNIT 2	FUTURE	TOTAL
A	32	6	38
C	36	24	60



**DETAIL 3: PROPOSED SWGR 2 (PME-9)**  
PROPOSED SWITCHGEAR LAYOUT

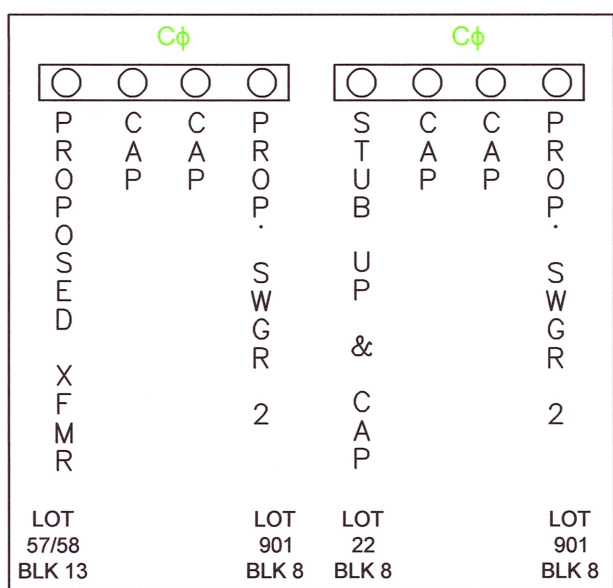
PHASE	LOTS	
	FUTURE	TOTAL
C $\phi$	98	98

PHASE	LOTS	
	FUTURE	TOTAL
Aφ	40	40
Bφ	52	52
Cφ	40	40



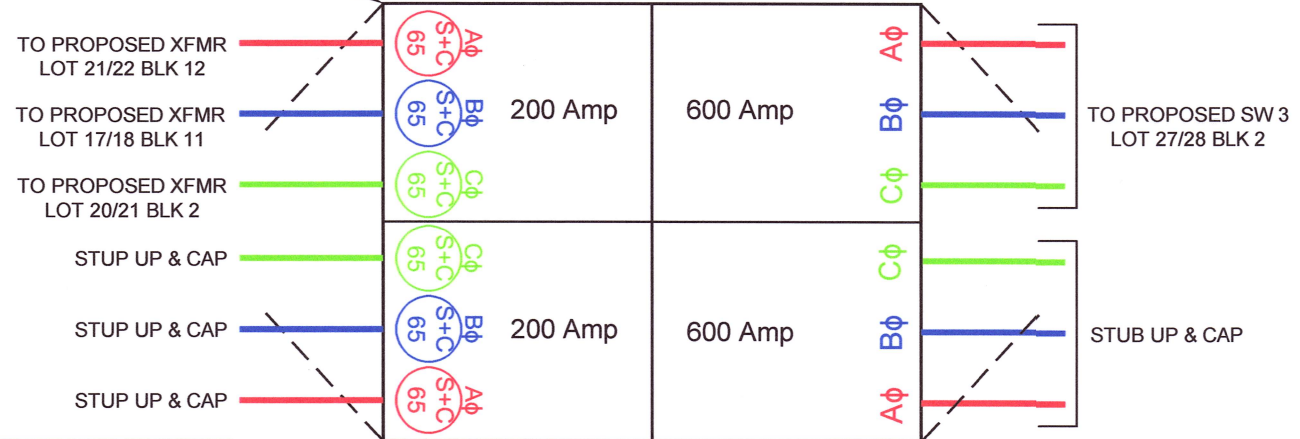
**DETAIL 4: PROPOSED SWGR 3 (PME-9)**  
PROPOSED SWITCHGEAR LAYOUT

PHASE	LOTS	
	PROPOSED UNIT 2	TOTAL
Bφ	60	60



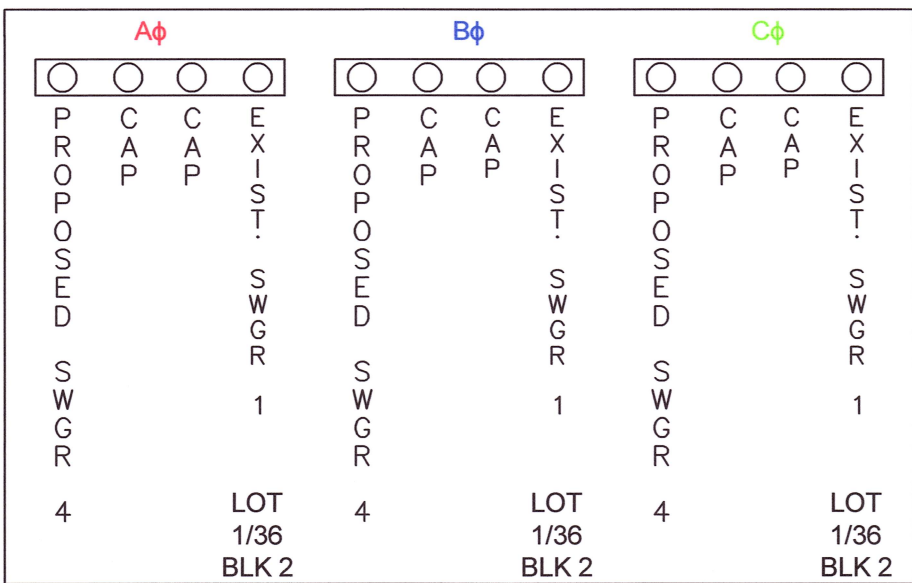
**DETAIL 5: PROPOSED SW 2**  
PROPOSED 2 $\phi$  (C $\phi$ , C $\phi$ ) SWITCH CABINET

PHASE	LOTS		
	PROPOSED UNIT 2	EXISTING	TOTAL
A	39	0	39
B	36	12	48
C	36	0	36

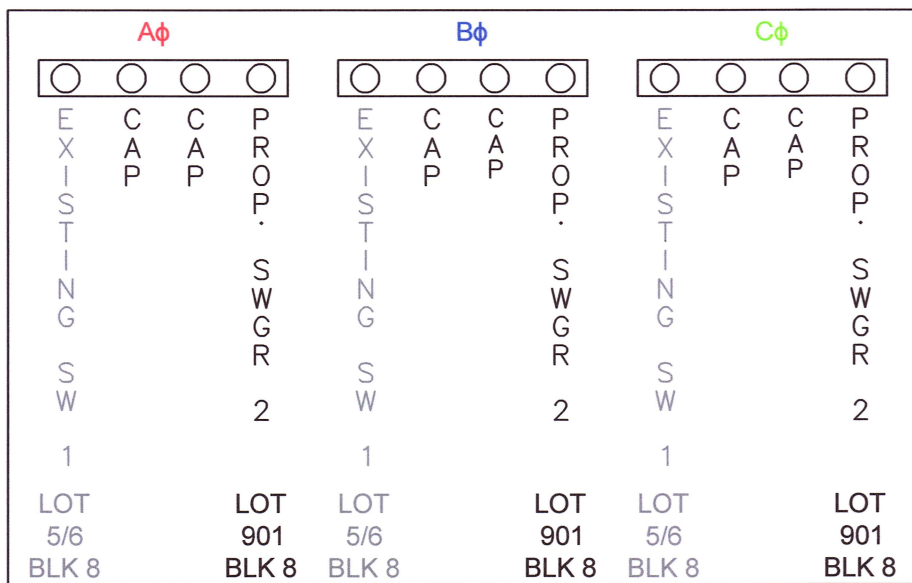


**DETAIL 6: PROPOSED SWGR 4 (PME-9)**  
PROPOSED SWITCHGEAR LAYOUT

PHASE	LOTS	
	FUTURE	TOTAL
A♠	40	40
B♠	51	51
C♠	40	40
























**DETAIL 7: PROPOSED SW 3**  
PROPOSED 30 600 AMP SWITCH CABINET



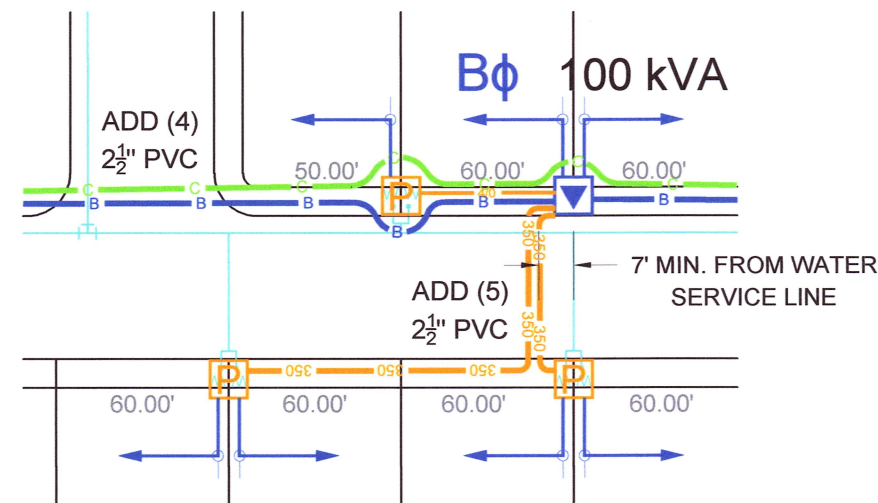
**DETAIL 8: PROPOSED SW 4**  
PROPOSED 30 600 AMP SWITCH CABINET

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<br>(NOT INCLUDED IN PROJECT SCOPE)                                |
|  | — SECONDARY PEDESTAL  |
|  | — OPEN POINT  |
|  | — SWITCH  |
|  | — SWITCHGEAR  |
|  | — PULL BOX  |
|  | — WATER METERS  |
| <br>  |   |
|   | A-PHASE PRIMARY UNDERGROUND - 1/0 AL 25KV IN (1) 2½" PVC CONDUIT  |
|   | B-PHASE PRIMARY UNDERGROUND - 1/0 AL 25KV IN (1) 2½" PVC CONDUIT  |
|   | C-PHASE PRIMARY UNDERGROUND - 1/0 AL 25KV IN (1) 2½" PVC CONDUIT  |
|   | 3-PHASE PRIMARY UNDERGROUND - 3-PHASE 1/0 AL 25KV IN (3) 2½" PVC CONDUIT                                |
|   | PRIMARY UNDERGROUND - 3-PHASE 1000 MCM AL 25KV IN (3) 4" PVC CONDUIT WITH (1) 2½" PVC CONDUIT FOR FIBER |
|   | SECONDARY UNDERGROUND - 350 TPLX IN (1) 2½" PVC CONDUIT WITH (1) SPARE CONDUIT                          |
|   | SECONDARY UNDERGROUND - 4/0 TPLX IN (1) 2½" PVC CONDUIT   |
|   | SECONDARY UNDERGROUND - #2 TPLX IN (1) 2½" PVC CONDUIT  |
|   | SECONDARY STREETLIGHT CIRCUIT - 12/2 WGN IN (1) 1" PVC CONDUIT  |
|   | FUTURE SERVICE STUB-OUT (CONDUIT ONLY)  |
| <br>  |   |
|   | PROPOSED WATER LINES (BY OTHERS)  |

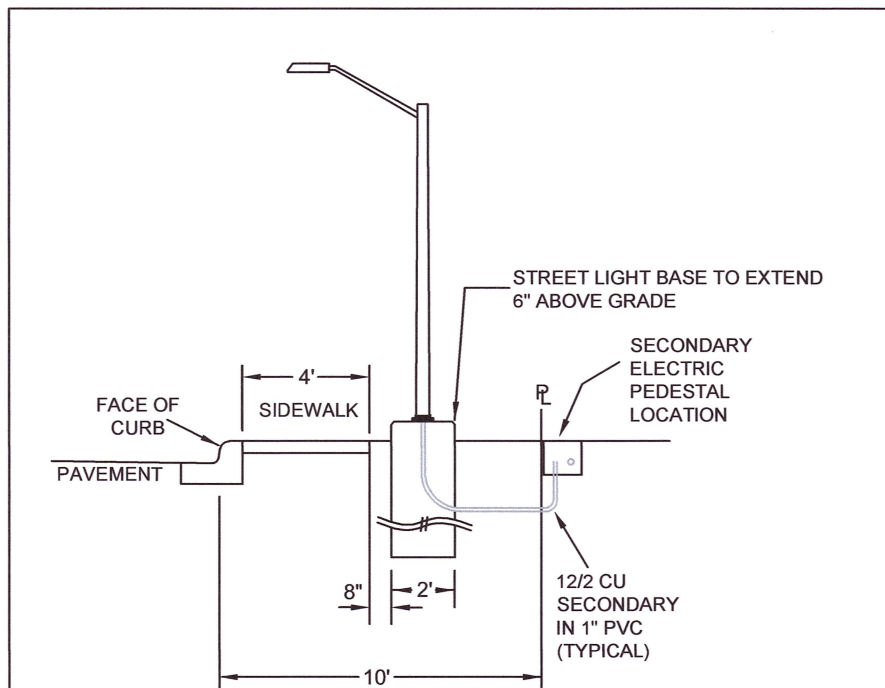
GENERAL NOTES:

1. FOR TEMPORARY 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 K VATED PARKING STAND ARRESTORS AND LIGHTNING ARRESTORS FOR ALL OPEN POINT TRANSFORMERS.
6. ALL UNDERGROUND CONDUIT FOR GVEC ELECTRIC FACILITIES TO BE SCHEDULE 40, GRAY PVC UNLESS OTHERWISE SPECIFIED BY GVEC STAFF.
7. WATER PROVIDED BY CRYSTAL CLEAR SUD.
8. 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.



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

The diagram illustrates a typical easement on an interior property line. It shows a central 'HOUSE' with a 'REAR' yard. A 'PROPERTY LINE' runs vertically through the center. To the left of the property line, there is a '5' EASE' and a '5' EASE' (indicated by arrows). To the right of the property line, there is a '15'-0" UTILITY EASEMENT' (indicated by an arrow). The diagram also shows setbacks from the rear yard: '5' MIN (DISTANCE VARIES)' from the rear yard to the house, '5' MIN (DISTANCE VARIES)' from the house to the rear yard, '5' MIN (DISTANCE VARIES)' from the rear yard to the property line, '2 1/2'' from the property line to the rear yard, and '25' MIN (DISTANCE VARIES)' from the rear yard to the utility easement. The diagram is labeled 'TYPICAL EASEMENT ON INTERIOR PROPERTY LINE'.

NOTE: G.V.E.C. SHALL MAINTAIN 5' EASEMENT FOR SERVICE ENTRANCE TO DWELLING. THIS EASEMENT WILL VARY DEPENDING UPON LOCATION OF DWELLING.

G.V.E.C. SHALL HAVE ACCESS TO THE METER LOCATIONS FROM THE FRONT YARDS WITH THE METER LOCATIONS NOT BEING LOCATED WITHIN A FENCED AREA.

REAR

HOUSE

PROPERTY LINE

5' MIN (DISTANCE VARIES)

5' MIN (DISTANCE VARIES)

5' MIN (DISTANCE VARIES)

2 1/2'

25' MIN (DISTANCE VARIES)

5' EASE

5' EASE

EITHER SIDE OF METER

ELECTRIC METER 5' MAX FROM CORNER OF HOUSE

15'-0" UTILITY EASEMENT

LOT B

LOT A

PROPERTY LINE (STREET SIDE)

TYPICAL EASEMENT ON INTERIOR PROPERTY LINE

**gvec**  
Delivering more.™

GUADALUPE VALLEY ELECTRIC CO-OP., INC.  
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830-672-2871  
1800-223-GVEC(4832)  
FAX 210-672-9841  
e-mail [info@gvec.org](mailto:info@gvec.org)

 **McCORD**  
ENGINEERING, INC.

Texas Registered Engineering Firm F-266  
916 Southwest Parkway East  
College Station, TX 77840  
(979) 764-8356

SCALE: 1" = 100'	DATE: 05/02/2025	DWG NO.  MEI-18433	SHEET NO. 2 OF 2
DRAWN BY:	JOB CODE:		REV.

