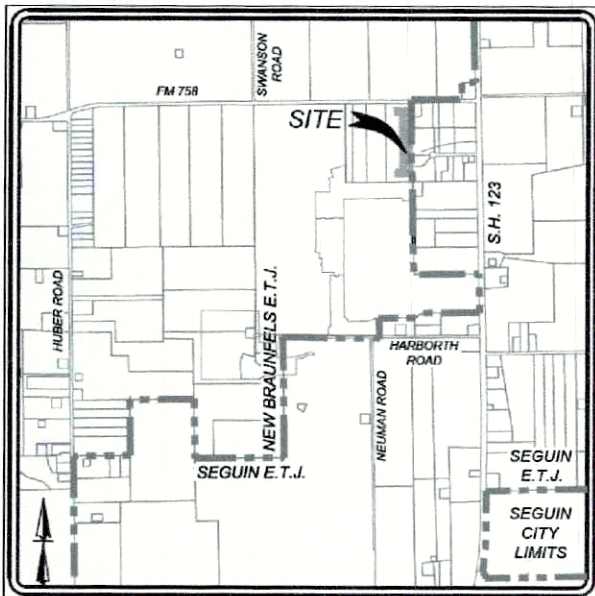
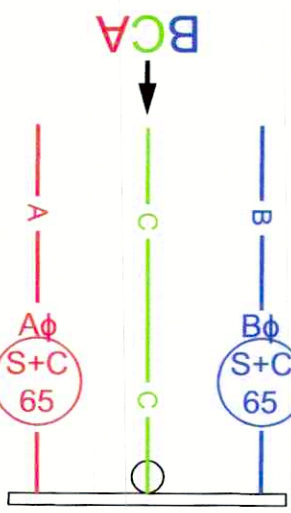
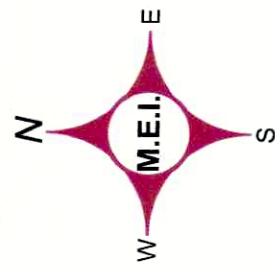
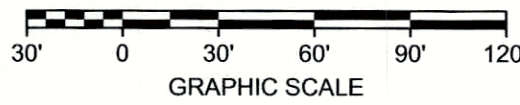




VICINITY MAP
NOT TO SCALE

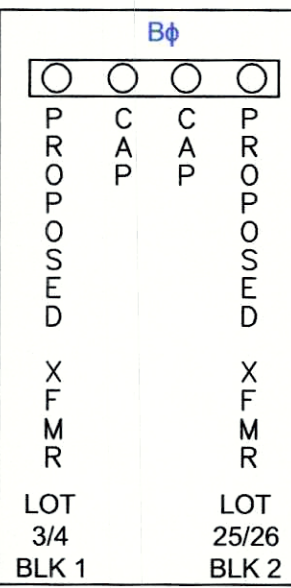
WO# 1918897
68 LOTS
6 LIGHTS

Upline Device
YC301/14.4/24.9 kV



DETAIL 1
ON PROPOSED RISER POLE, INSTALL:
- ONE (1) A₆₅ RISER AND ONE (1) A₆₅ S&C FUSE
- ONE (1) B₆₅ RISER AND ONE (1) B₆₅ S&C FUSE

PHASE	LOTS		
	PROPOSED UNIT 2	EXISTING	TOTAL
A ₆₅	60	6	66
B ₆₅	9	56	65



OPEN TO ROAD

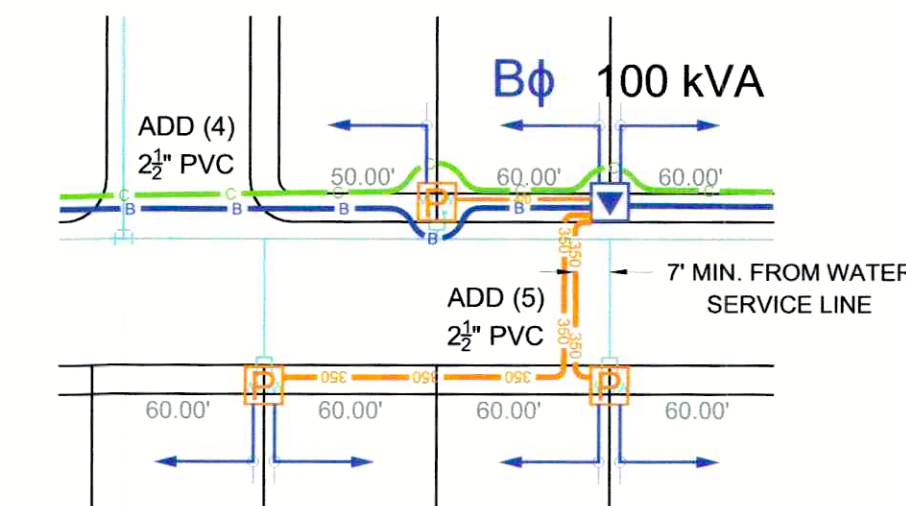
DETAIL 2: SW 1
PROPOSED SWITCH CABINET

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
- 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 W/GND IN (1) 1" PVC CONDUIT
- FUTURE SERVICE STUB-OUT (CONDUIT ONLY)
- PROPOSED WATER LINES (BY OTHERS)

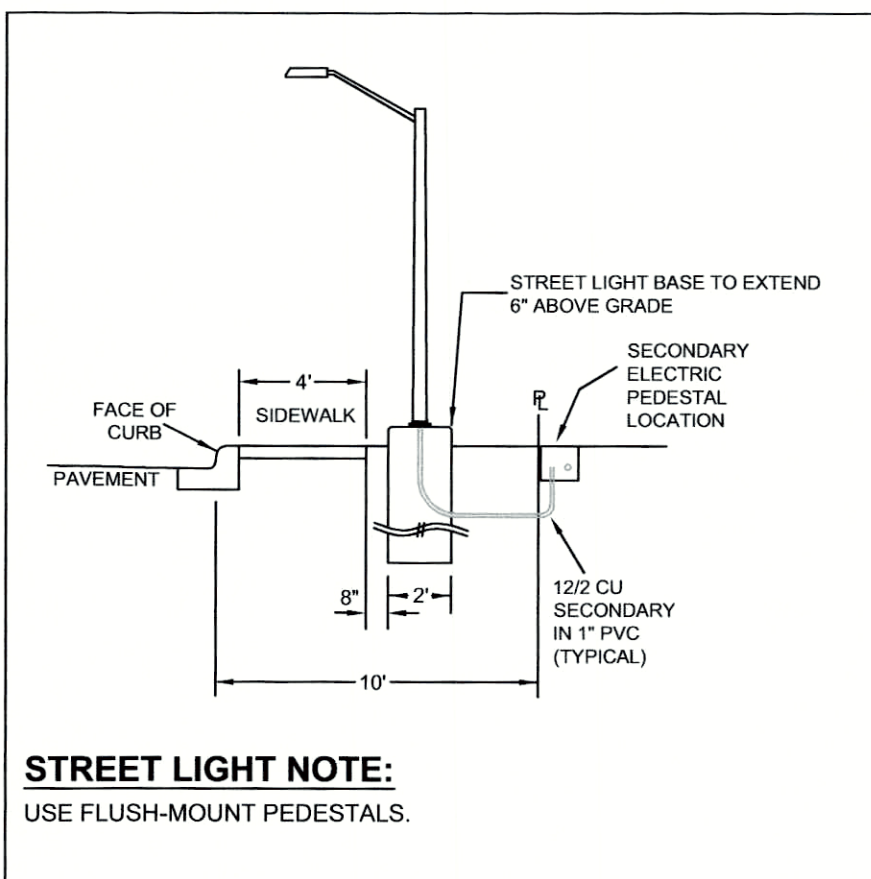
GENERAL NOTES:

- 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 HAUPT 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 SEGWIN.



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 Table

Quantity	CU	Description
3,939	U1/0AL25KV	1/0 AL 25KV Aluminum URD Primary Cable
383	U12/2UFW/GRD	12/2 UF Copper with Ground Street light Cable
2,412	U350ALTP	350 MCM URD Triplex Secondary Cable
307	U4/0ALTP	4/0 MCM URD Triplex Secondary Cable
21	UK6-350	Secondary pedestal, fed with 350 MCM URD triplex
4	UK6-4/0	Secondary pedestal, fed with 4/0 MCM URD triplex
6	UP30-5AL	30 ft. aluminum street light pole with one 54 watt type 3 LED luminaire
200	UPVC 1	1" Schedule 40 PVC
7,684	UPVC 2.5	2.5" Schedule 40 PVC
1	UVG5-2D-100	100 kVA DV/120-240 Pad-Mounted Transformer, Open
3	UVG7-2D-100	100 kVA DV/120-240 Pad-Mounted Transformer, Loop
2	UVG7-2D-37.5	37.5 kVA DV/120-240 Pad-Mounted Transformer, Loop
2	UVG7-2D-50	50 kVA DV/120-240 Pad-Mounted Transformer, Loop
5	UVG7-2D-75	75 kVA DV/120-240 Pad-Mounted Transformer, Loop
1	UVM2-4X-X	Two phase riser assembly, 14.4kV
1	UVM31-2	1 Phase switch cabinet, 2-Way



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY
REX N. WOODS, P.E. 87089
July 31st, 2023
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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

DATE	4-28-2023	JOB NAME	JARO SOUTH UNIT 2
DRAWN BY	JB		
CHECKED BY			
DATE	7-31-2023	WORK ORDER#	WO# 1918897
SCALE	1" = 60'		
DRAWN BY	JB	JOB CODE	GVC-3-J-3
DATE	4-28-2023	DWG NO.	MEI-16973
			1 OF 1