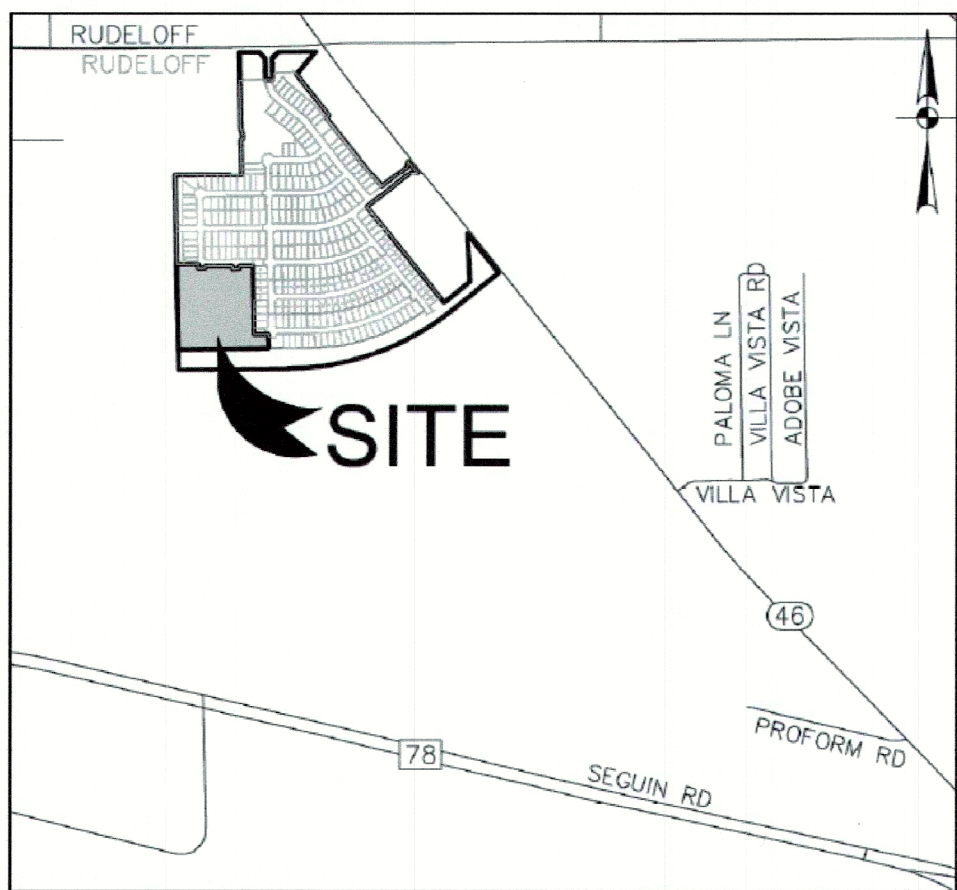
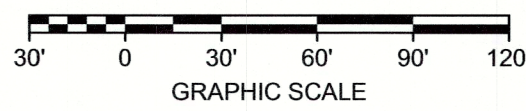




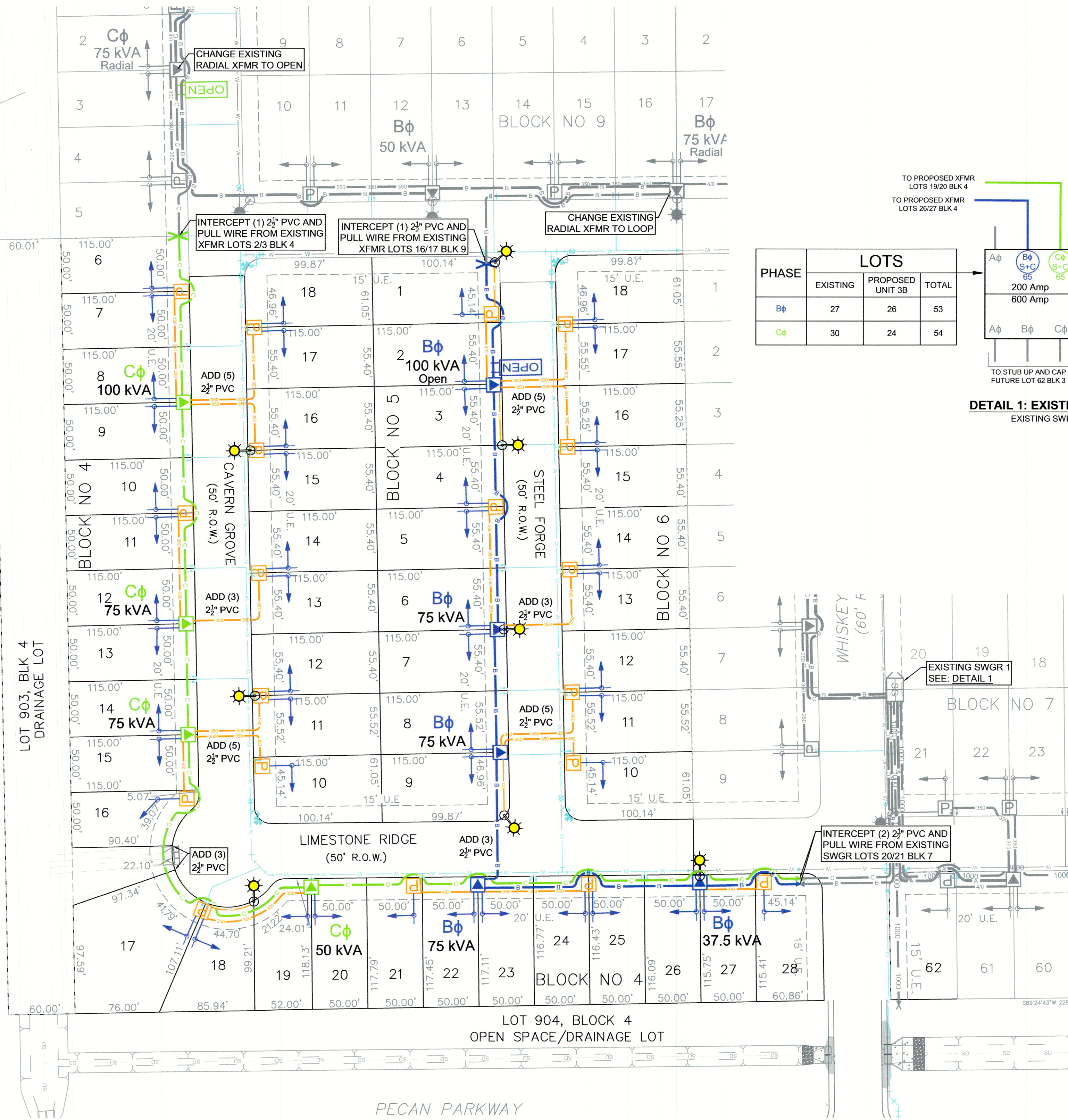
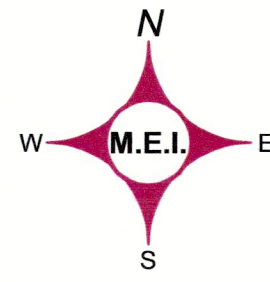
VICINITY MAP

NOT TO SCALE

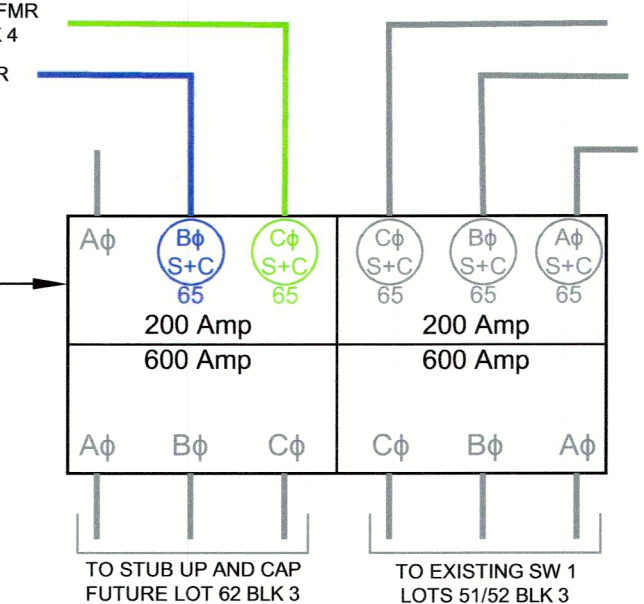
WO# 1904113
51 LOTS
8 LIGHTS



Upline Device
Z420
14.4 / 24.9kV



PHASE	LOTS		
	EXISTING	PROPOSED UNIT 3B	TOTAL
Bφ	27	26	53
Cφ	30	24	54



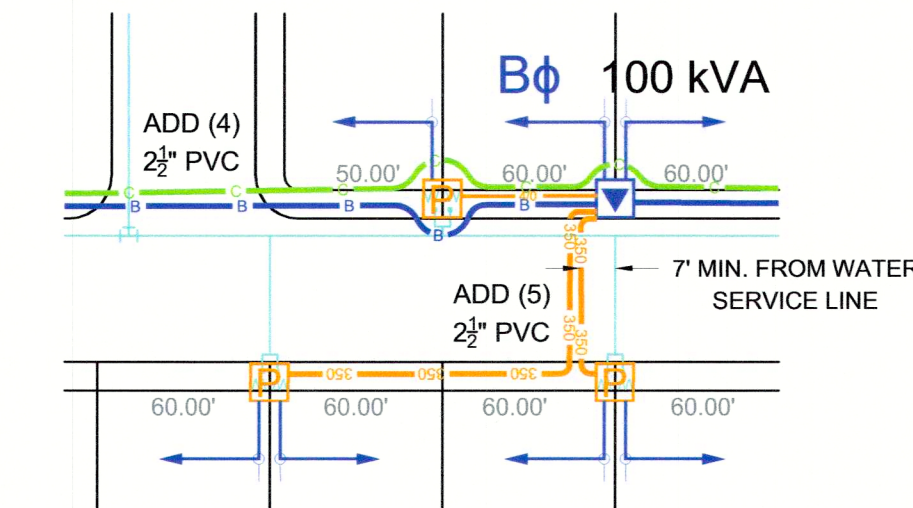
DETAIL 1: EXISTING SWGR 1 (PME-9)
EXISTING SWITCHGEAR LAYOUT

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\"/>

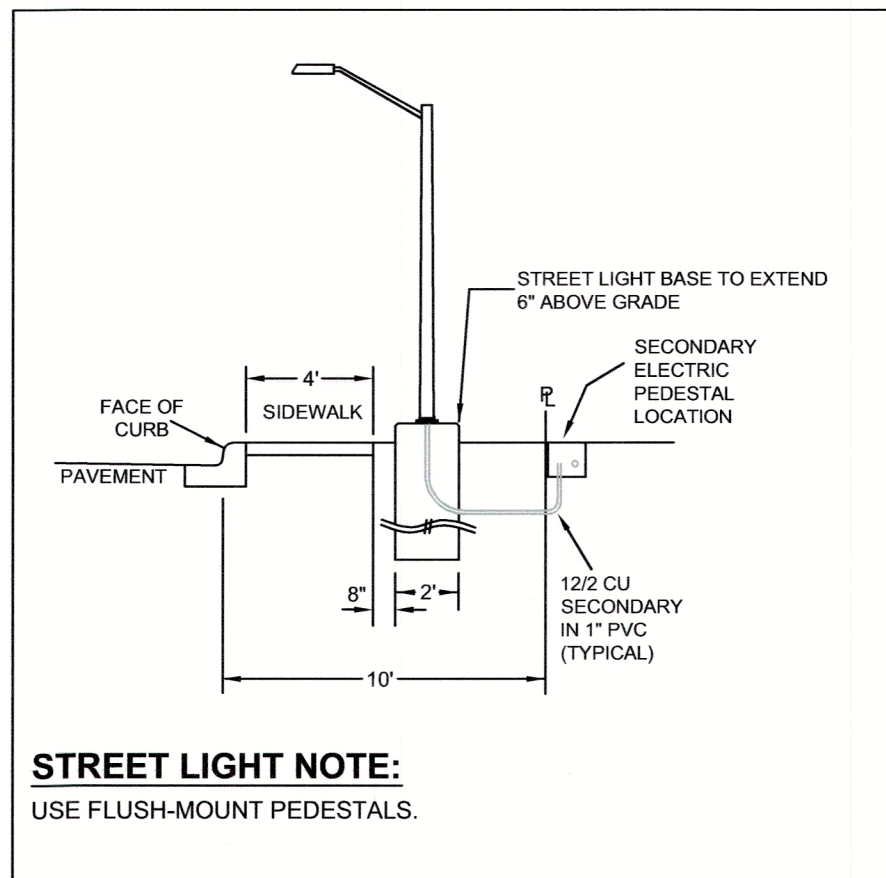
GENERAL NOTES:

- FOR FUTURE TEMPORARY SERVICE, STUB OUT (1) 2\"/>
- 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 SPRING HILL WATER SUPPLY CORPORATION.
- SEWER PROVIDED BY CITY OF SEQUIN



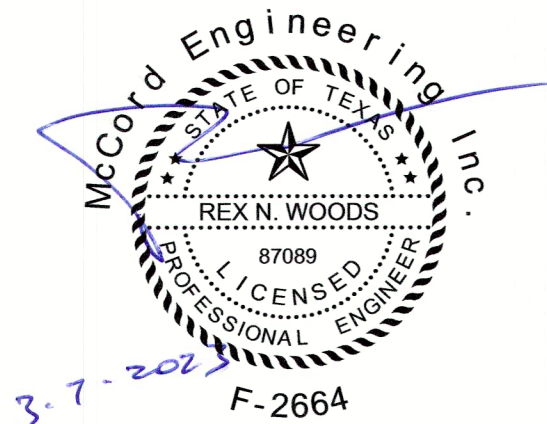
ROAD CROSSING DETAIL - REQUIRED CLEARANCE
FROM WATER MAIN AND SERVICE LINES

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
3,213	U1/0AL25KV	1/0 AL 25KV Aluminum URD Primary Cable
527	U12/2UFW/GRD	12/2 UF Copper with Ground Street light Cable
1,924	U350ALTP	350 MCM URD Triplex Secondary Cable
317	U4/0ALTP	4/0 MCM URD Triplex Secondary Cable
15	UK6-350	Secondary pedestal, fed with 350 MCM URD triplex
4	UK6-4/0	Secondary pedestal, fed with 4/0 MCM URD triplex
8	UP30-5AL	30 ft. aluminum street light pole with one 54 watt type 3 LED luminaire
281	UPVC 1	1\"/>
6,334	UPVC 2.5	2.5\"/>
1	UVG5-2D-100	100 kVA DV/120-240 Pad-Mounted Transformer, Open
1	UVG7-2D-100	100 kVA DV/120-240 Pad-Mounted Transformer, Loop
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
5	UVG7-2D-75	75 kVA DV/120-240 Pad-Mounted Transformer, Loop



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY
REX N. WOODS, P.E. 87089
MARCH 7, 2023
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ENGINEER IS AN OFFENSE UNDER THE
TEXAS ENGINEERING PRACTICE ACT.

APPROVED
FOR CONSTRUCTION

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Delivering more.™
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	12-12-2022	JOB NAME	GREENSPPOINT HEIGHTS 3B
DRAWN BY	JB		
CHECKED BY			
DATE	12-12-2022	WORK ORDER#	
SCALE	1" = 60'	WO#	1904113
DRAWN BY	JB	JOB CODE	GVC-3-G.14
DATE	12-12-2022	DWG NO.	MEI-16731
		SHEET NO.	1 OF 1