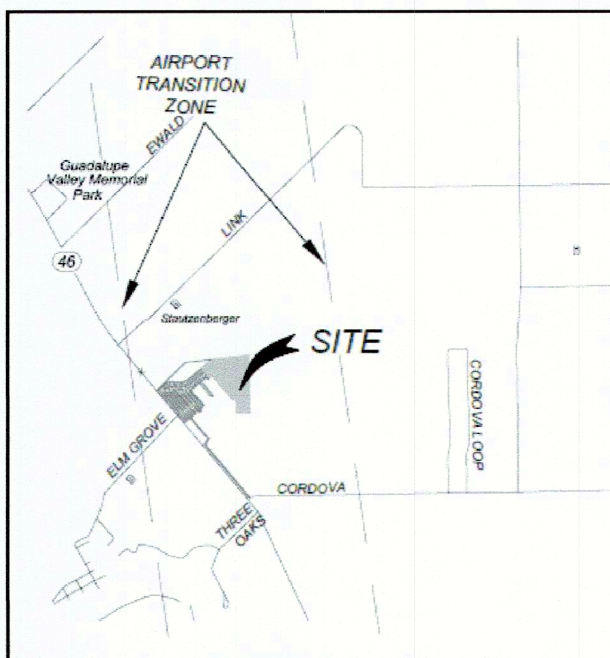
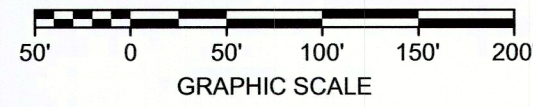




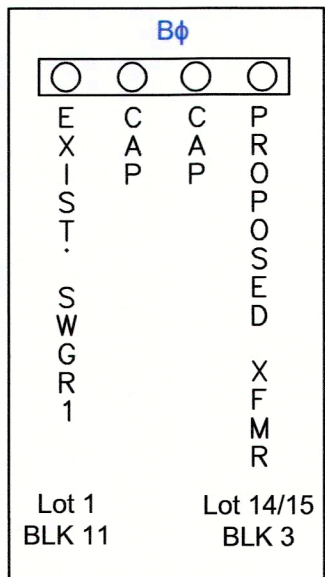
VICINITY MAP

NOT TO SCALE

WO# 1848911
123 LOTS
13 LIGHTS



Upline Device
R301
14.4/24.9 KV



DETAIL 8: PROPOSED SW 4
PROPOSED 34 600 AMP SWITCH CABINET

Material List Table		
Quantity	CU	Description
13	P30AL-SL	30 ft. aluminum street light pole with one 54 watt type 3 LED luminaire
6,245	U1/0AL25KV	1/0 AL 25KV Aluminum URD Primary Cable
12,390	U1000AL25KV	1000 MCM Aluminum URD Primary Cable
893	U12/2UFWGRD	12/2 UF Copper with Ground Street light Cable
5,298	U350ALTP	350 MCM URD Triplex Secondary Cable
62	U4/0ALTP	4/0 MCM URD Triplex Secondary Cable
44	UK6-350	Secondary pedestal, fed with 350 MCM URD triplex
2	UM3E-3-11	Three phase 600 Amp dead front switchgear with 3 source and 1-200 Amp load compartment
493	UPVC 1	1" Schedule 40 PVC
15,077	UPVC 2.5	2.5" Schedule 40 PVC
7,312	UPVC 4	4" Schedule 40 PVC
1	UVG5-2D-100	100 kVA DV/120-240 Pad-Mounted Transformer, Open
1	UVG5-2D-75	75 kVA DV/120-240 Pad-Mounted Transformer, Open
8	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
2	UVG7-2D-50	50 kVA DV/120-240 Pad-Mounted Transformer, Loop
6	UVG7-2D-75	75 kVA DV/120-240 Pad-Mounted Transformer, Loop
1	UVM31-2	1 Phase switch cabinet, 2-Way
3	UVM33-2	3 Phase switch cabinet, 2-Way
6	UVM6-4	Fault Indicator

LEGEND:

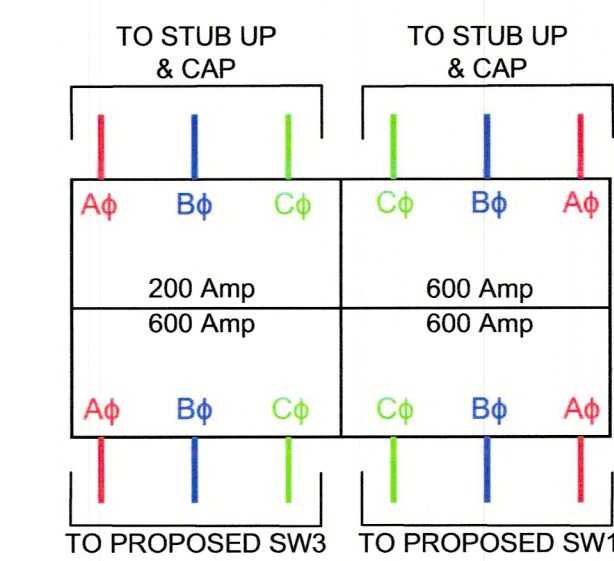
- PROPOSED POLE
- PROPOSED POLE WITH RISER(S)
- EXISTING POLE
- STREET LIGHT
- SINGLE PHASE PAD MOUNT TRANSFORMER
- THREE PHASE PAD MOUNT TRANSFORMER
- SINGLE PHASE POLE MOUNT TRANSFORMER (NOT INCLUDED IN PROJECT SCOPE)
- SECONDARY PEDESTAL
- OPEN POINT
- SWITCH
- SWITCHGEAR
- PULL BOX
- WATER METERS
- 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:

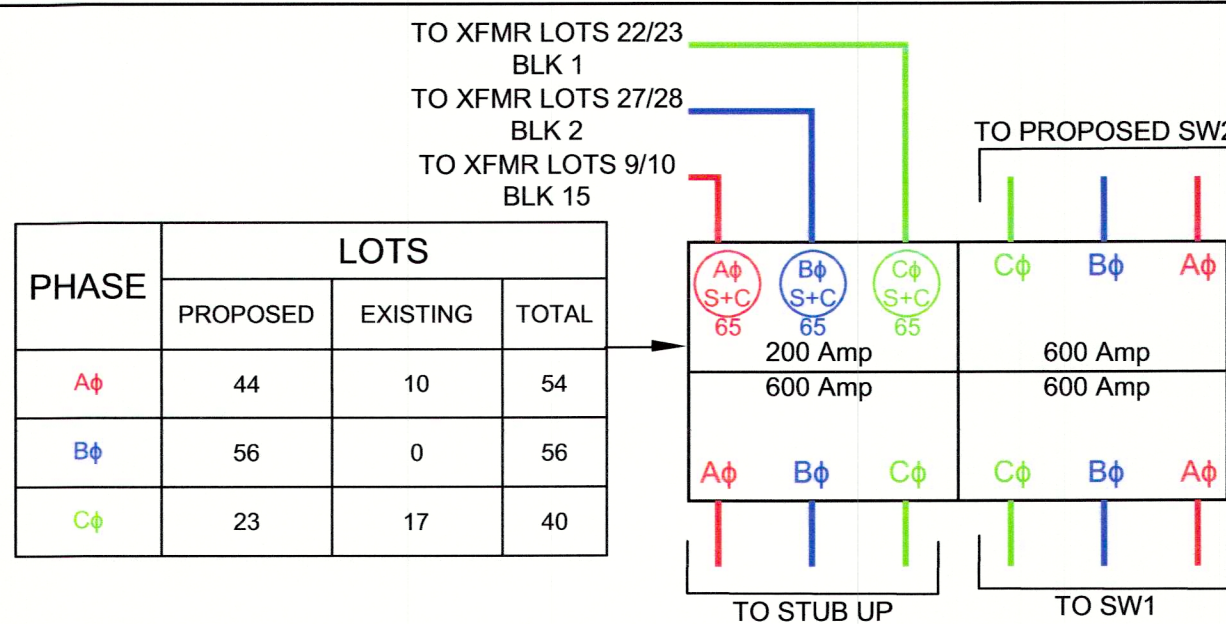
- FOR FUTURE TEMPORARY SERVICE, STUB OUT (1) 2" FLEXIBLE ELECTRICAL PVC CONDUIT 6" BELOW GRADE CENTERED IN FRONT OF ALL TRANSFORMERS AND PEDESTALS. WHEN TEMPORARY SERVICE IS RETIRED, CUT OFF AND CAP 6" BELOW FINISHED GRADE.
- VERIFY ALL UNDERGROUND UTILITIES BEFORE DIGGING.
- ZACH HAUPERT WILL NOTIFY 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/SEWER PROVIDED BY SPRING HILL WATER SUPPLY CORP.

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

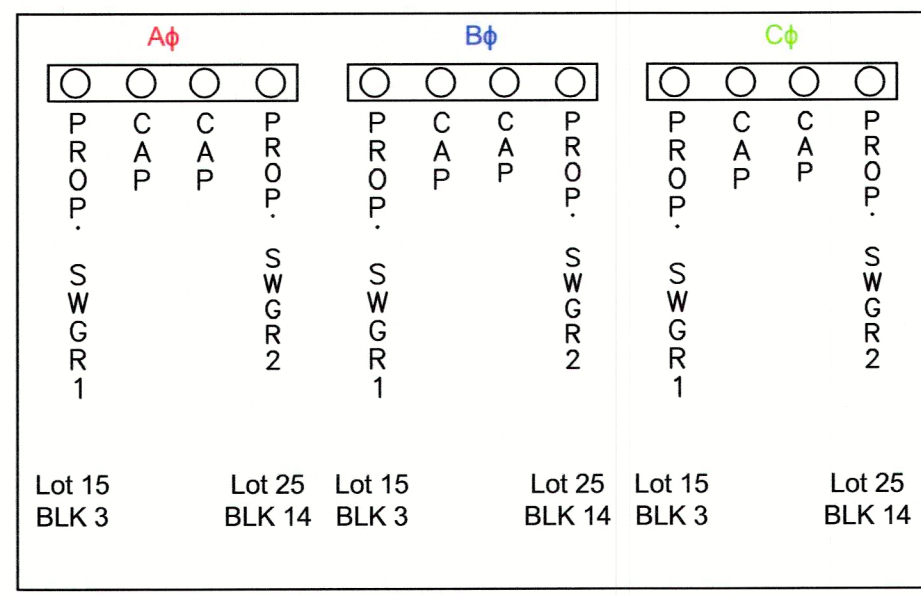
ALL ELECTRIC CONDUITS PARALLEL WITH WATER MAIN OR SERVICE LINES TO HAVE SEVEN FOOT (7') HORIZONTAL CLEARANCE.



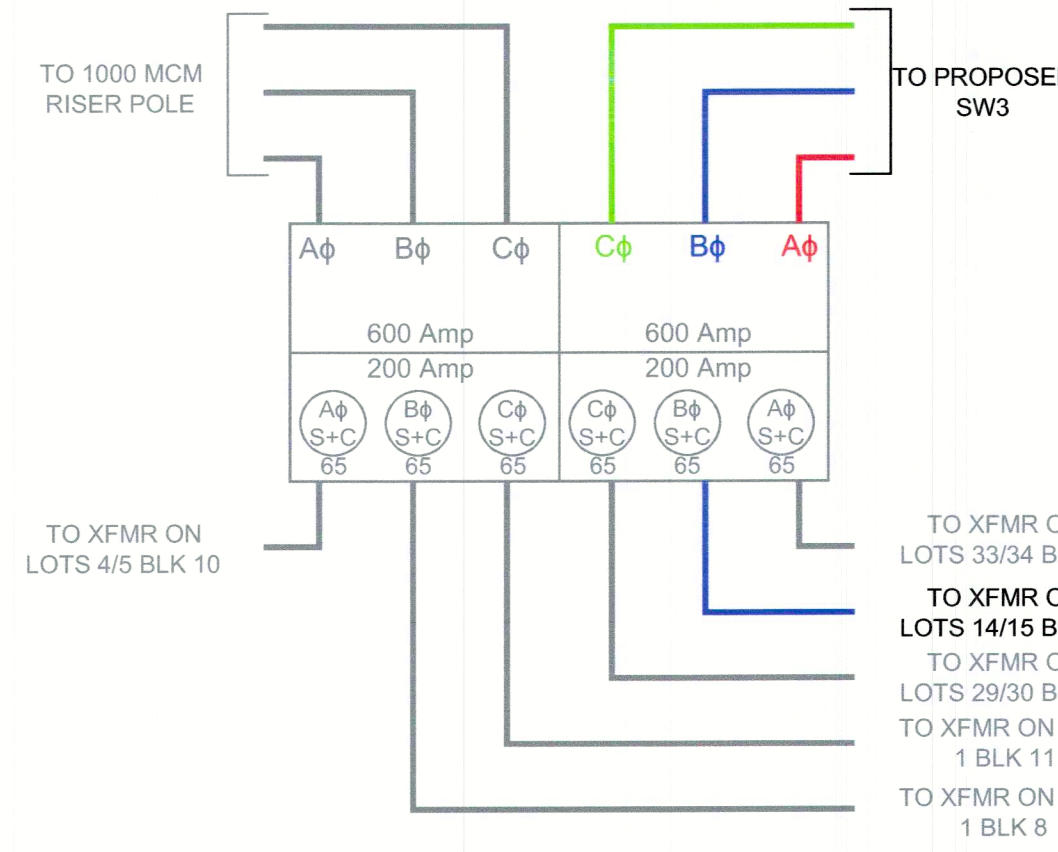
DETAIL 1: PROPOSED SWGR1 (PME-11)
PROPOSED SWITCHGEAR LAYOUT



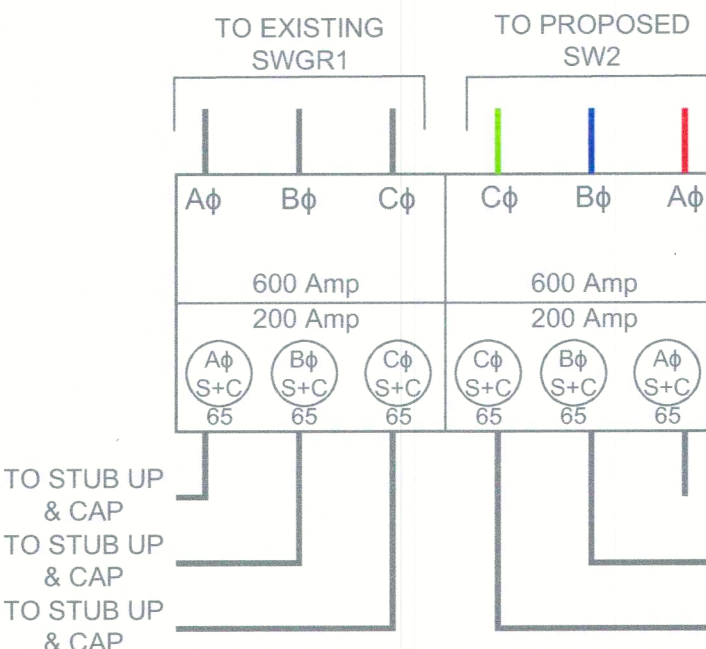
DETAIL 2: PROPOSED SWGR2 (PME-11)
PROPOSED SWITCHGEAR LAYOUT



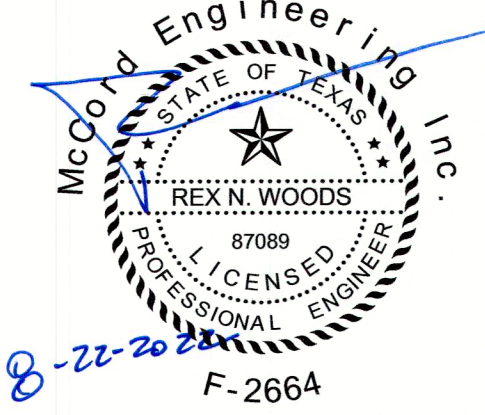
DETAIL 3: PROPOSED SW1
PROPOSED 34 600 AMP SWITCH CABINET



DETAIL 4: EXISTING SWGR1 (PME-9)
PROPOSED SWITCHGEAR LAYOUT



DETAIL 5: EXISTING SWGR 2 (PME-9)
PROPOSED SWITCHGEAR LAYOUT



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY REX N. WOODS, P.E. 87089 AUGUST 22, 2022
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APPROVED
FOR CONSTRUCTION



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1800-223-GVEC(4832)
FAX 210-672-9841
e-mail info@gvec.org

DATE	05/24/2022	JOB NAME	Lily Springs Unit 4
DRAWN BY	KJK		
CHECKED BY			
DATE	08/10/2022	WORK ORDER #	WO# 1848911
SCALE	1"=100'		
DATE	05/24/2022	DWG NO.	MEI-16340
DRAWN BY	KJK	JOB CODE	GVC-3-L.32
SHEET NO.	1 OF 1	REV	NM