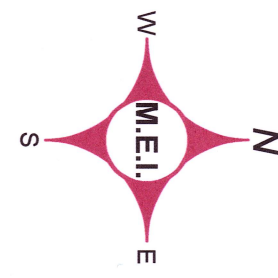
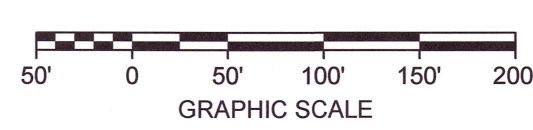


WO# 2034436
166 LOTS
16 LIGHTS
Upline Device
YC301
14.4/24.9 KV



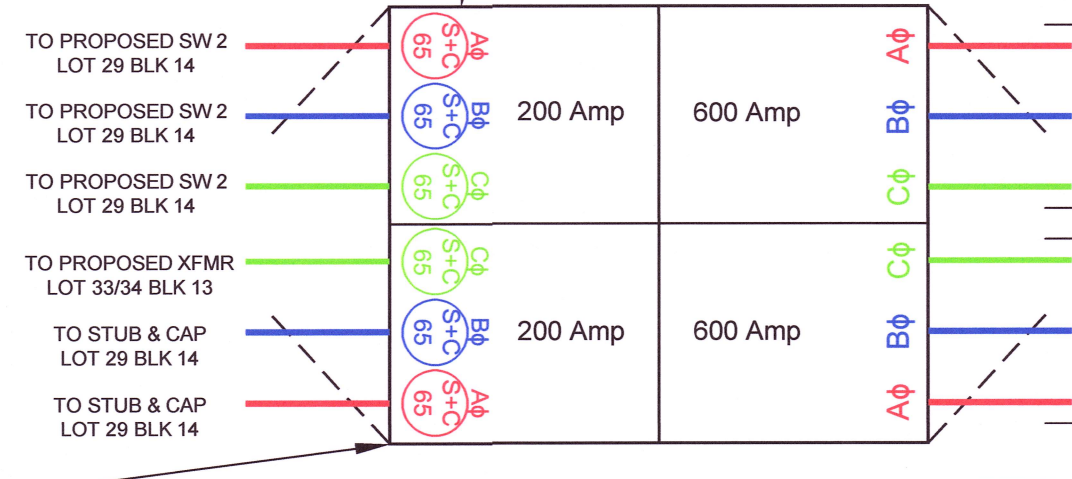
CONTRACTOR SHALL ADD AN ADDITIONAL 2-4" PVC CONDUITS FOR SPECTRUM AND HOTWIRE AT EACH GVEC CROSSING

VICINITY MAP
NOT TO SCALE



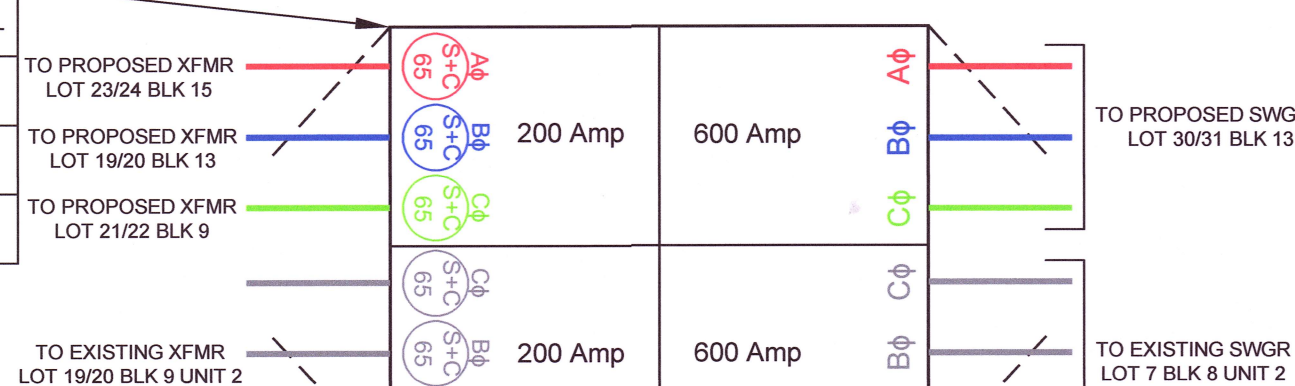
PHASE	LOTS	
	FUTURE	TOTAL
Aφ	65	65
Bφ	57	57
Cφ	94	94

PHASE	LOTS			
	PROPOSED UNIT 3	EXISTING	FUTURE	TOTAL
Aφ	0	0	0	0
Bφ	0	0	0	0
Cφ	24	36	0	60



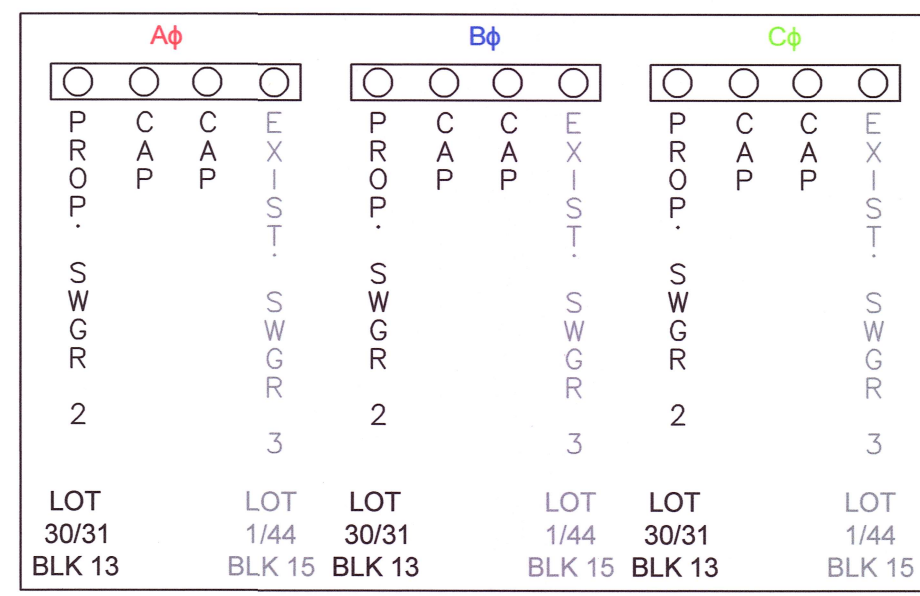
DETAIL 3: PROPOSED SWGR 2 (PME-9)
PROPOSED SWITCHGEAR LAYOUT

PHASE	LOTS	
	PROPOSED UNIT 3	TOTAL
Aφ	44	40
Bφ	54	54
Cφ	44	44



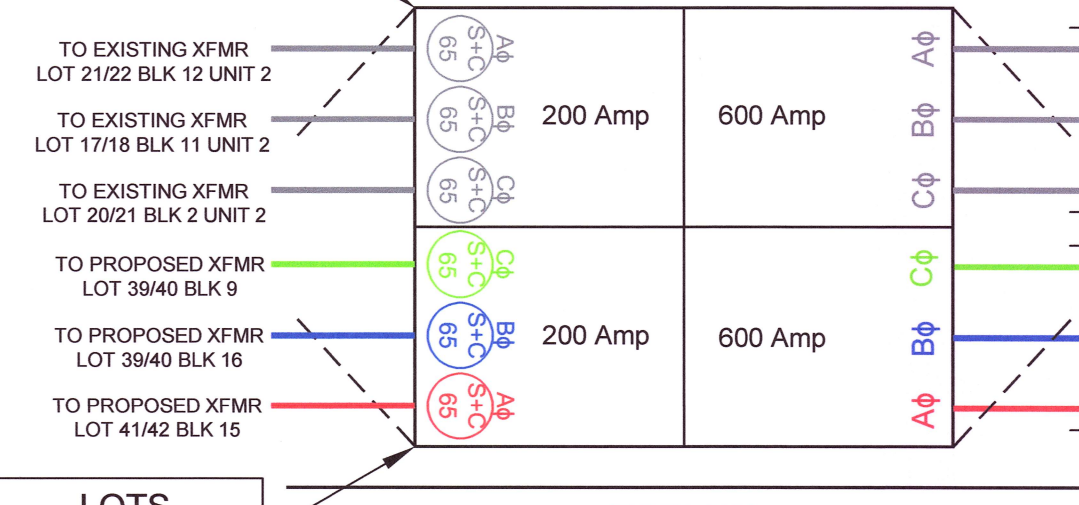
DETAIL 1: EXISTING SWGR 1 (PME-9)
EXISTING SWITCHGEAR LAYOUT

PHASE	LOTS	
	EXISTING	TOTAL
Bφ	60	60



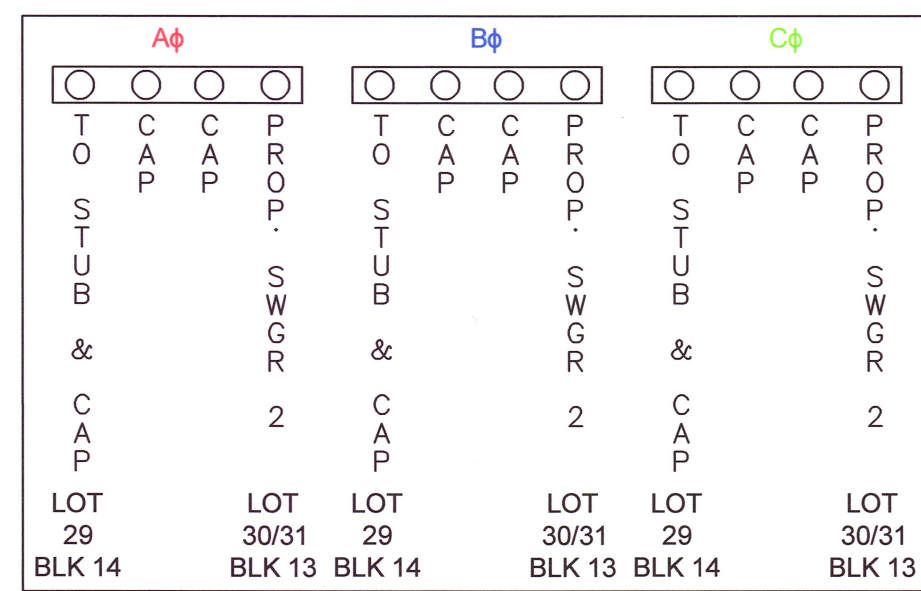
DETAIL 2: PROPOSED SW 1
PROPOSED 3φ 600 AMP SWITCH CABINET

PHASE	LOTS	
	EXISTING	TOTAL
Aφ	39	39
Bφ	48	48
Cφ	36	36

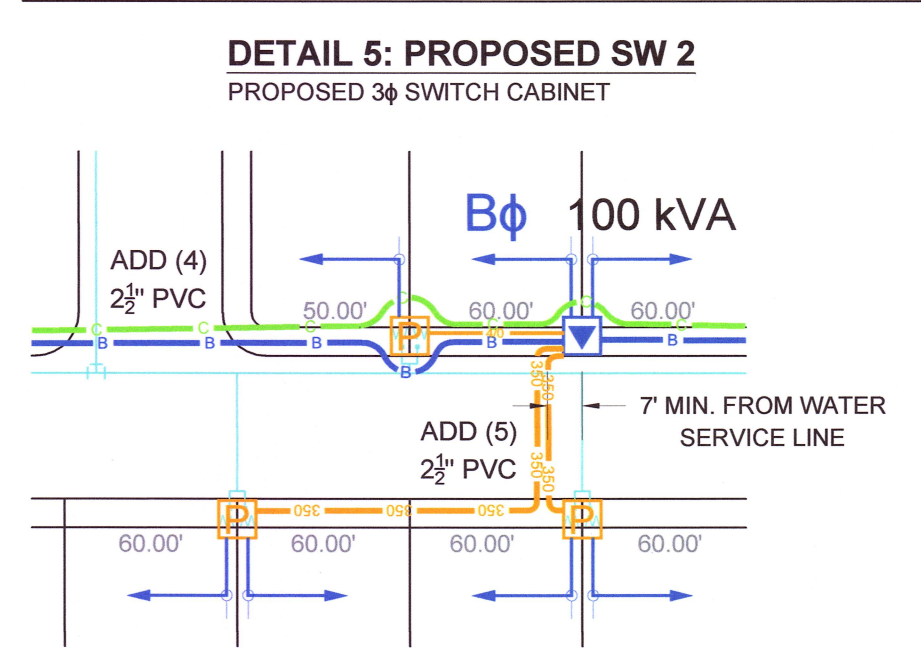


DETAIL 4: EXISTING SWGR 3 (PME-9)
EXISTING SWITCHGEAR LAYOUT

PHASE	LOTS	
	PROPOSED UNIT 3	TOTAL
Aφ	44	44
Bφ	54	54
Cφ	44	44

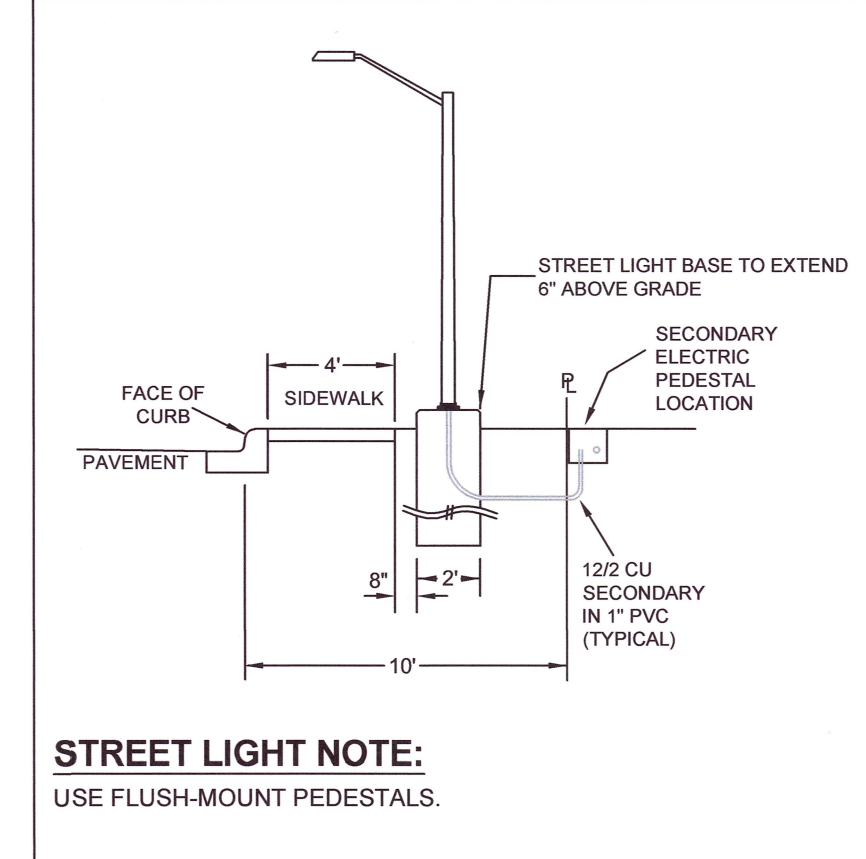


DETAIL 5: PROPOSED SW 2
PROPOSED 3φ SWITCH CABINET



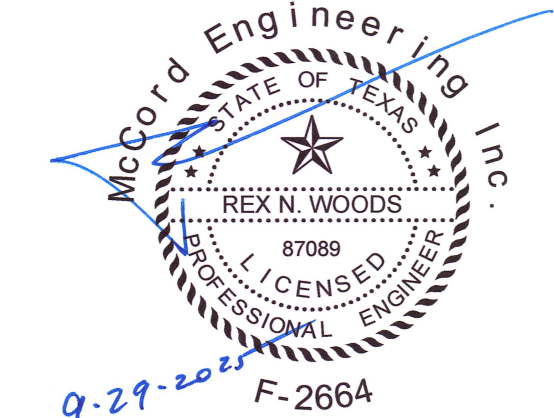
ROAD CROSSING DETAIL - REQUIRED CLEARANCE
FROM WATER MAIN AND SERVICE LINES

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		
Quantity	CU	Description
7,517	U1/0AL25KV	1/0 AL 25KV Aluminum URD Primary Cable
5,705	U1000AL25KV	1000 MCM Aluminum URD Primary Cable
1,477	U12/2UFW/GRD	12/2 UF Copper with Ground Street Light Cable
6,730	U350ALTP	350 MCM URD Triplex Secondary Cable
57	UK6-350	Secondary Pedestal, Fed with 350 MCM URD Triplex
1	UM3E-3-9	Three Phase 600 Amp Dead Front Switchgear with 2 Source and 2-200 Amp Load Compartments
16	UP30-5AL	30 ft. Aluminum Street Light Pole
16	M60-C3LED	54W LED Type 3 LT for Aluminum Pole
837	UPVC 1	1" Schedule 40 PVC
18,435	UPVC 2 1/2	2.5" Schedule 40 PVC
4,550	UPVC 4	4" Schedule 40 PVC
1	UVG5- Small	14.4 kv Single Phase Open Transformer (75kVA and Below)
11	UVG7- Small	14.4 kv Single Phase Loop Transformer (75kVA and Below)
14	UVG7- Large	14.4 kv Single Phase Loop Transformer (100kVA and Above)
14	100 PAD 14.4 120	100kVA Padmount Transformer
4	75 PAD 14.4 120	75kVA Padmount Transformer
7	50 PAD 14.4 120	50kVA Padmount Transformer
1	25 PAD 14.4 120	25kVA Padmount Transformer
1	UVM33-2	3 Phase Switch Cabinet, 2-Way
1	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 SEPTEMBER 29, 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



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

DATE	#	BY	REVISION
09/29/2025	1	EH	REVISION

DATE	09/29/2025	JOB NAME	Jaro North Unit 3
DRAWN BY	EH	DEVELOPER	Developer Revision
CHECKED BY			
DATE	09/29/2025	WORK ORDER #	WO# 2034436
SCALE	1"=100'		

DATE	09/29/2025	DWG NO.	MEI-18863	SHEET NO.	1 OF 1
DRAWN BY	EH	JOB CODE	GVC-3-J-5-A	REV.	1

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 - A-PHASE PRIMARY UNDERGROUND - 1/0 AL 25KV IN (1) 2" PVC CONDUIT
- B - B-PHASE PRIMARY UNDERGROUND - 1/0 AL 25KV IN (1) 2" PVC CONDUIT
- C - C-PHASE PRIMARY UNDERGROUND - 1/0 AL 25KV IN (1) 2" PVC CONDUIT
- ABC - 3-PHASE PRIMARY UNDERGROUND - 3-PHASE 1/0 AL 25KV IN (3) 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 WGNID 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.
- 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 ELECTRICAL 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 SEQUIN.
- 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.