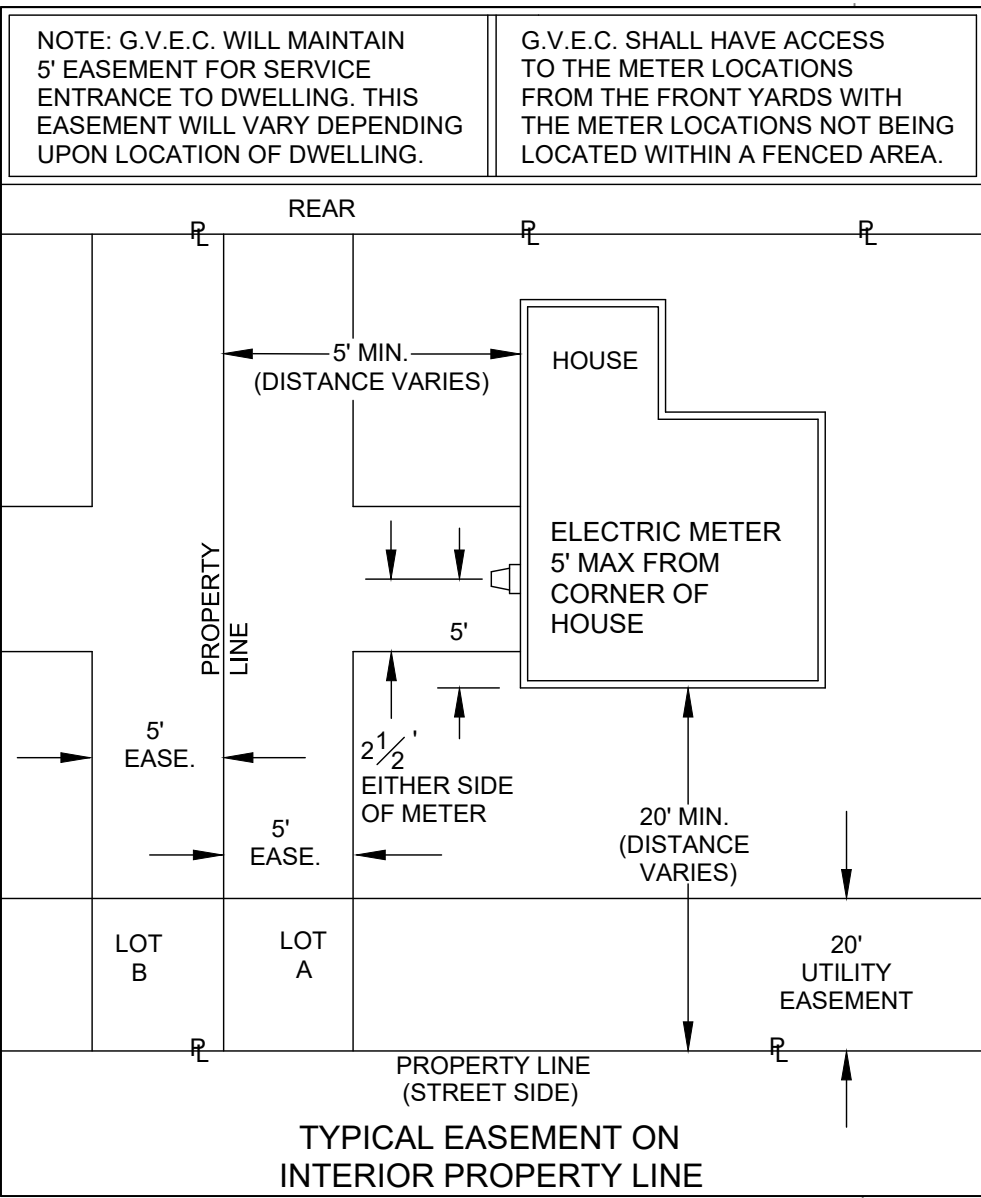
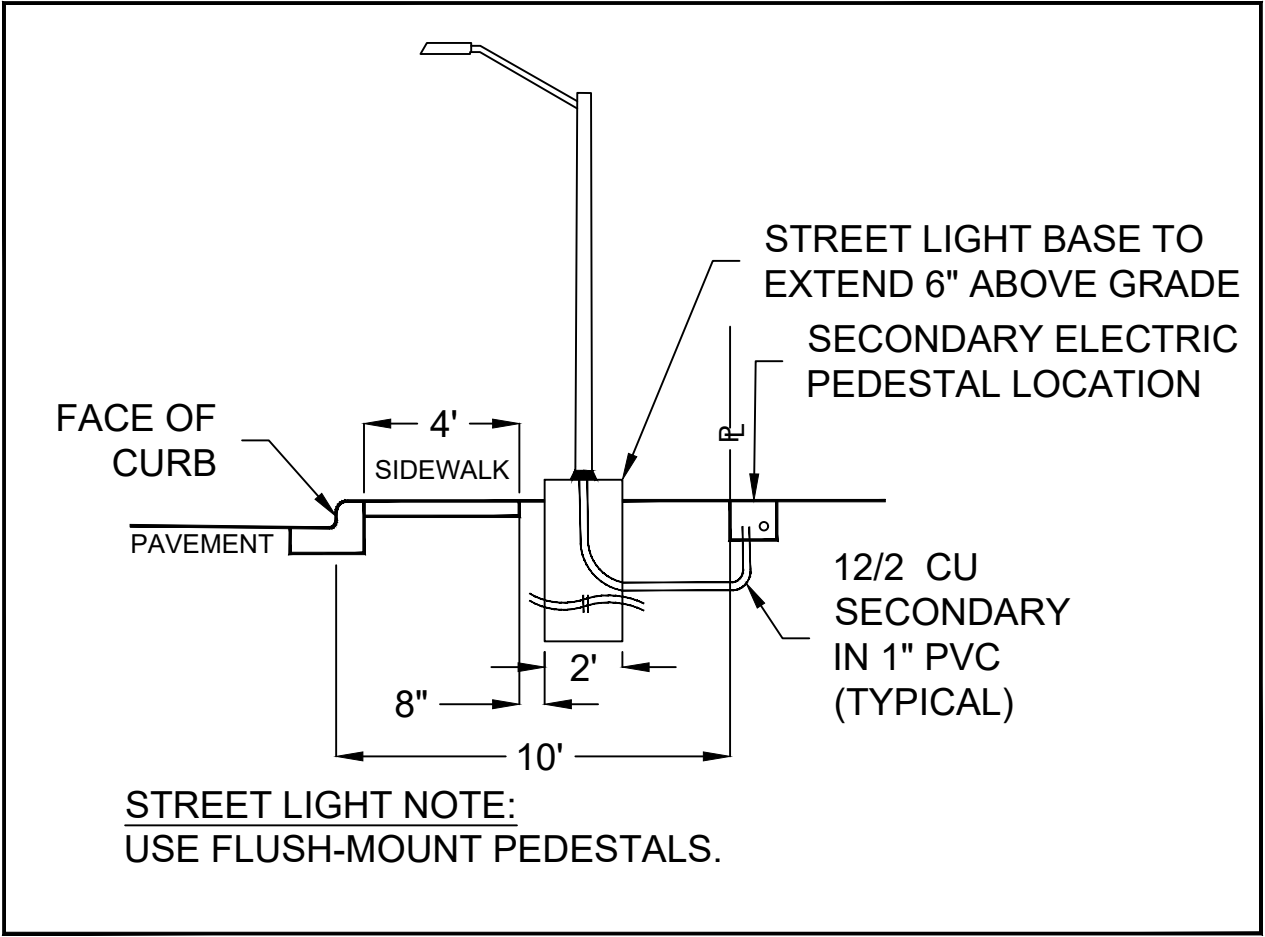
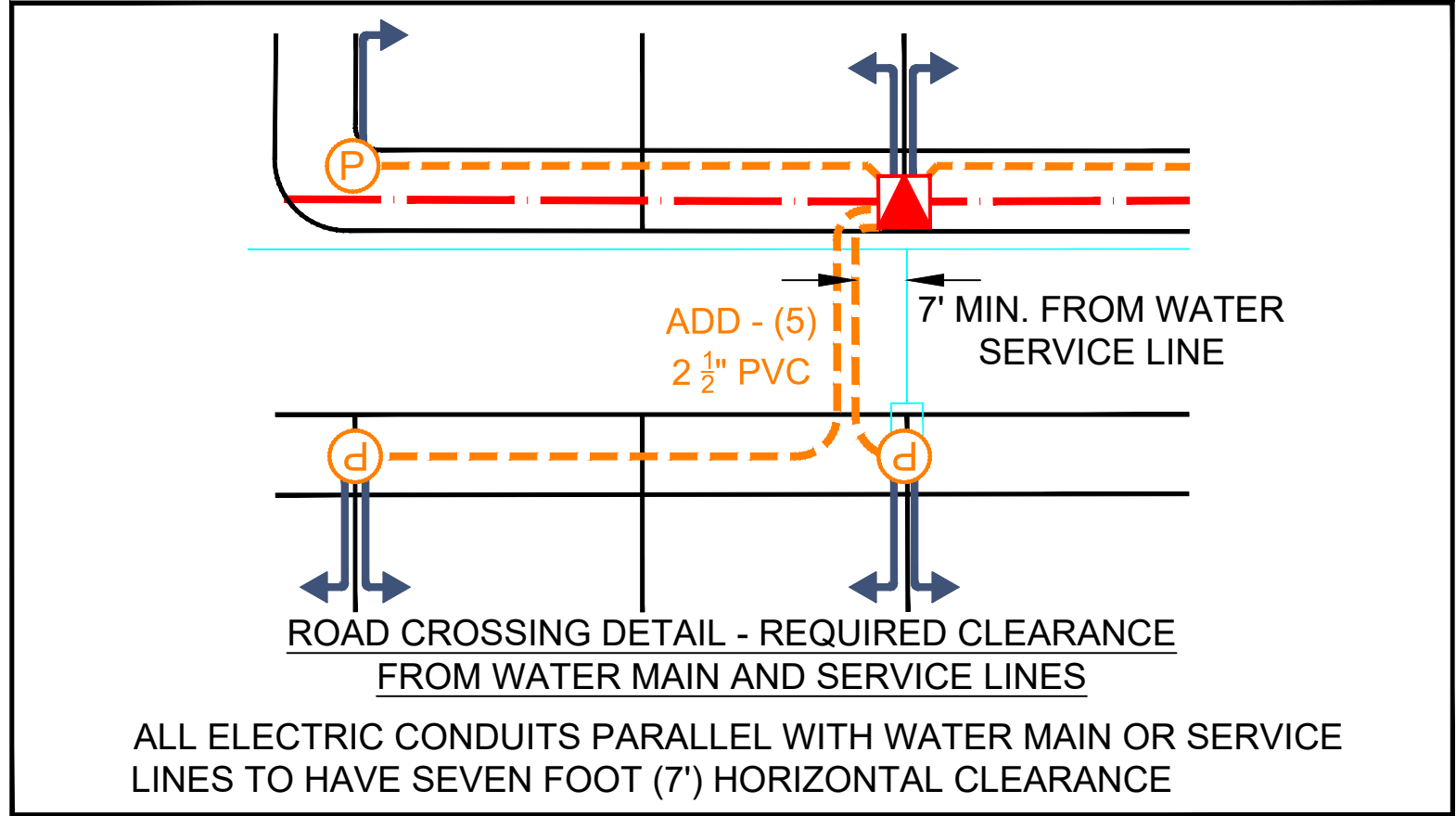


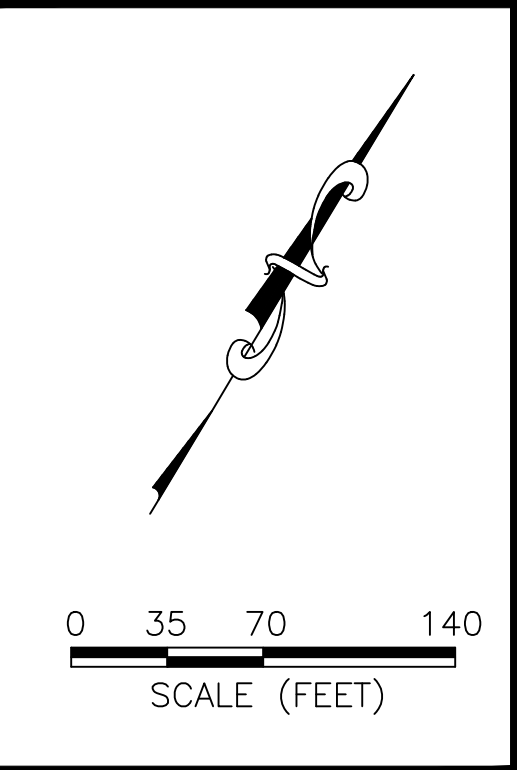


LOCATION MAP
N.T.S.

GVEC LEGEND	
---	3-4" ABC PHASE - 1000MCM AL 25kV
---	WITH (1) 2 1/2" PVC FOR FIBER
---	3-2 1/2" ABC PHASE - 1/0 AL 25kV
---	1-2 1/2" A PHASE - 1/0 AL 25kV
---	1-2 1/2" B PHASE - 1/0 AL 25kV
---	1-2 1/2" C PHASE - 1/0 AL 25kV
---	1-2 1/2" SECONDARY - 350 TPLX
---	WITH (1) 2 1/2" SPARE CONDUIT
---	1-2 1/2" SECONDARY - 4/0 TPLX
---	WITH (1) 2 1/2" SPARE CONDUIT
---	1-1" STREET LIGHT - 12/2 W/GND
---	BACK OF P.U.E.
P	SECONDARY PEDESTAL
▲ ▲ ▲	TRANSFORMER
□ □ □	200A 1Ø SWITCH CABINET
□	200A SWITCH CABINET
■	SWITCHGEAR
■	600A ENCLOSURE
▨	EASEMENT AREA
---	NEW OVH POWER LINE
---	EXISTING OVH POWER LINE
●	NEW POWER POLE
●	EXISTING POWER POLE
● ● ●	URD RISER
●	STREET LIGHT
●	ANCHOR

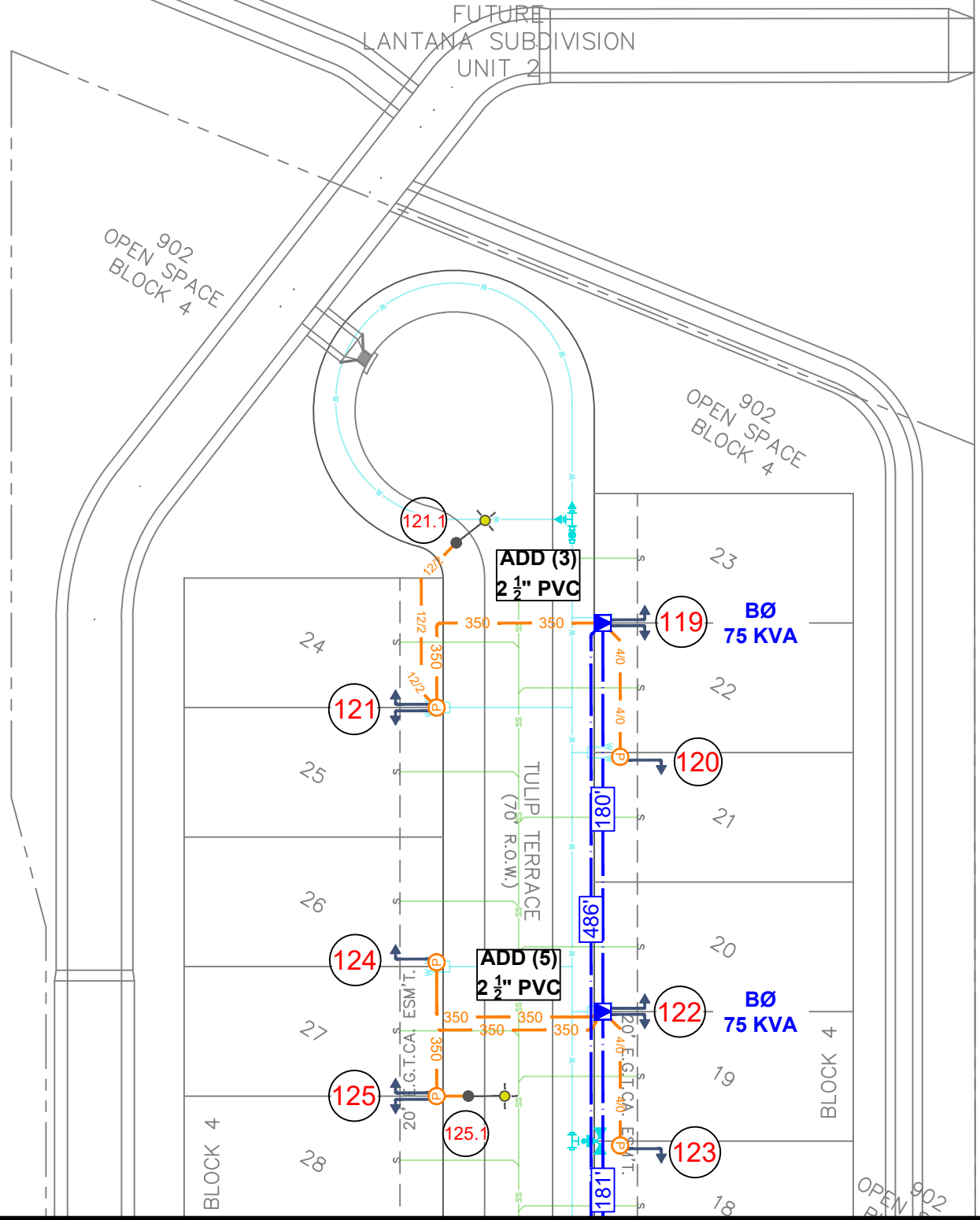


WO# 2034424
204 LOTS
31 LIGHTS



MATERIAL LIST		
Quantity	CJ	Description
20,104	U1/0AL25KV	1/0 AL 25KV Aluminum URD Primary Cable
7,165	U350ALTP	350 MCM URD Triplex Secondary Cable
2,395	U4/0ALTP	4/0 MCM URD Triplex Secondary Cable
2,730	U12/2UFW/GRD	12/2 UF Copper with Ground Street Light Cable
55	UK6-350	Secondary Pedestal, Fed with 350 MCM URD Triplex
28	UK6-4-0	Secondary Pedestal, Fed with 4/0 MCM URD Triplex
33	M60-C3LED	54W LED Type 3 LT for Aluminum Pole
33	UP30-5AL	30ft Aluminum Street Light Pole
1,920	UPVC 1	1" Schedule 40 PVC
32,617	UPVC 2 1/2	2.5" Schedule 40 PVC
5	UVG5- Small	14.4 kv Single Phase Open Transformer (75kVA and below)
34	UVG7- Small	14.4 kv Single Phase Loop Transformer (75kVA and below)
2	UVG7- Large	14.4 kv Single Phase Loop Transformer (Over 100kVA)
2	100 PAD 14.4 120	100kVA Padmount Transformer
23	75 PAD 14.4 120	75kVA Padmount Transformer
10	50 PAD 14.4 120	50kVA Padmount Transformer
6	37.5 PAD 14.4 120	37.5kVA Padmount Transformer
2	UMV31-2	1 Phase Switch Cabinet, 2-Way
2	UMV31-3	1 Phase Switch Cabinet, 3-Way
5	UMV32-2	2 Phase Switch Cabinet, 2-Way
2	UMV32-3	2 Phase Switch Cabinet, 3-Way
1	UMV33-2	3 Phase Switch Cabinet, 2-Way
2	UMV2W-#4-1-0	14.4kV Single Phase Pothead Wood Pole #4-1-0 OH
1	UMV2-4W-#4-1-0	14.4kV Two Phase Pothead Wood Pole #4-1-0 OH
2	UMV2-5W-#4-1-0	14.4kV Three Phase Pothead Wood Pole #4-1-0 OH

- 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 GRAD.
 - VERIFY ALL UNDERGROUND UTILITIES BEFORE DIGGING.
 - GVEC TO HAVE 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: GVSUD
 - SEWER PROVIDED BY: GVSUD

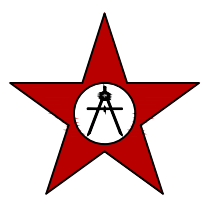


CALLLED 42.39 ACRES
(DOC 202199038547 OPR)



MATCHLINE - REFER TO SHEET 2

*** THE QUANTITIES SHOWN ON THE PLANS AND THE BID DOCUMENTS ARE ESTIMATED QUANTITIES AND BASED ON THE PLAN SET AND TO BE USED FOR BIDDING PURPOSE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL QUANTITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESOLVE ANY PERCEIVED DISCREPANCIES IN THE QUANTITIES WITH THE OWNER PRIOR BEGINNING ANY CONSTRUCTION WORK.



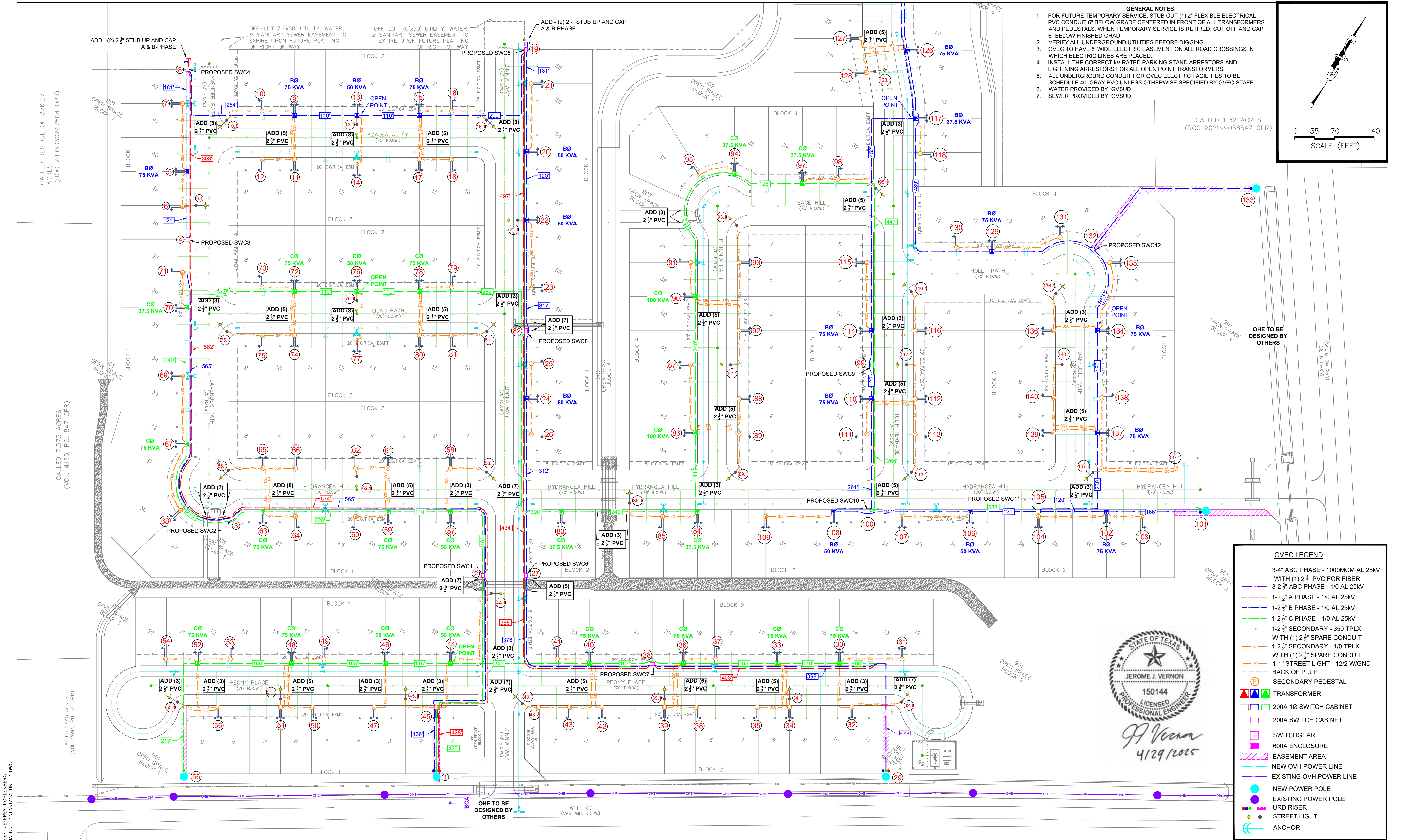
M&S ENGINEERING
ELECTRICAL | CIVIL | MEP
TEXAS REGISTERED ENGINEERING FIRM F-1394



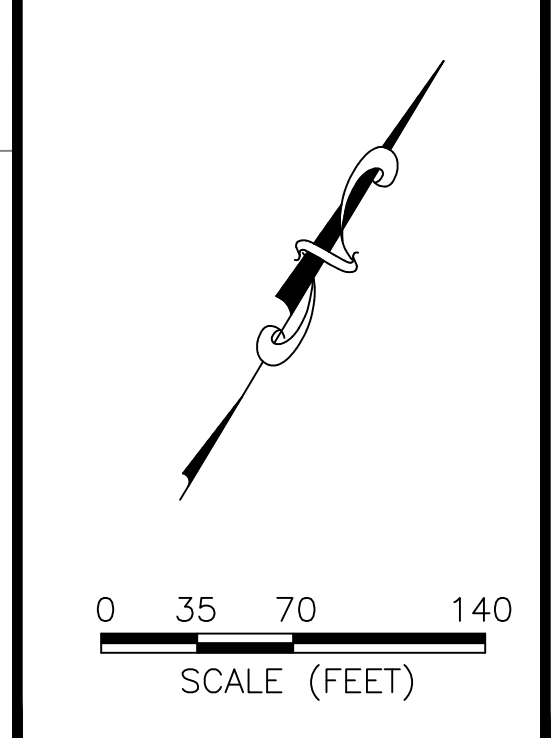
LANTANA UNIT 1	
DESIGN	S. KOHLENBERG
DATE	05/05/2025
TRAC	S. KOHLENBERG
SCALE	SEE SCALE BAR
WOP	2034424
PAGE	1 OF 2

ISSUED FOR CONSTRUCTION

MATCHLINE - REFER TO SHEET 1



- 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 GRAD.
 - VERIFY ALL UNDERGROUND UTILITIES BEFORE DIGGING.
 - GVEC TO HAVE 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: GVSUD
 - SEWER PROVIDED BY: GVSUD



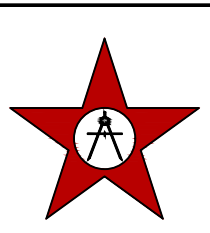
CALL 1.32 ACRES
(DOC 202199038547 OPR)

- GVEC LEGEND**
- 3-4" ABC PHASE - 1000MCM AL 25KV WITH (1) 2 1/2" PVC FOR FIBER
 - 3-2 1/2" ABC PHASE - 1/0 AL 25KV
 - 1-2 1/2" A PHASE - 1/0 AL 25KV
 - 1-2 1/2" B PHASE - 1/0 AL 25KV
 - 1-2 1/2" C PHASE - 1/0 AL 25KV
 - 1-2 1/2" SECONDARY - 350 TPLX WITH (1) 2 1/2" SPARE CONDUIT
 - 1-2 1/2" SECONDARY - 4/0 TPLX WITH (1) 2 1/2" SPARE CONDUIT
 - 1-1" STREET LIGHT - 12/2 W/GND
 - BACK OF P.U.E.
 - SECONDARY PEDESTAL
 - TRANSFORMER
 - 200A 1Ø SWITCH CABINET
 - 200A SWITCH CABINET
 - SWITCHGEAR
 - 600A ENCLOSURE
 - EASEMENT AREA
 - NEW OVH POWER LINE
 - EXISTING OVH POWER LINE
 - NEW POWER POLE
 - EXISTING POWER POLE
 - URD RISER
 - STREET LIGHT
 - ANCHOR



ISSUED FOR CONSTRUCTION

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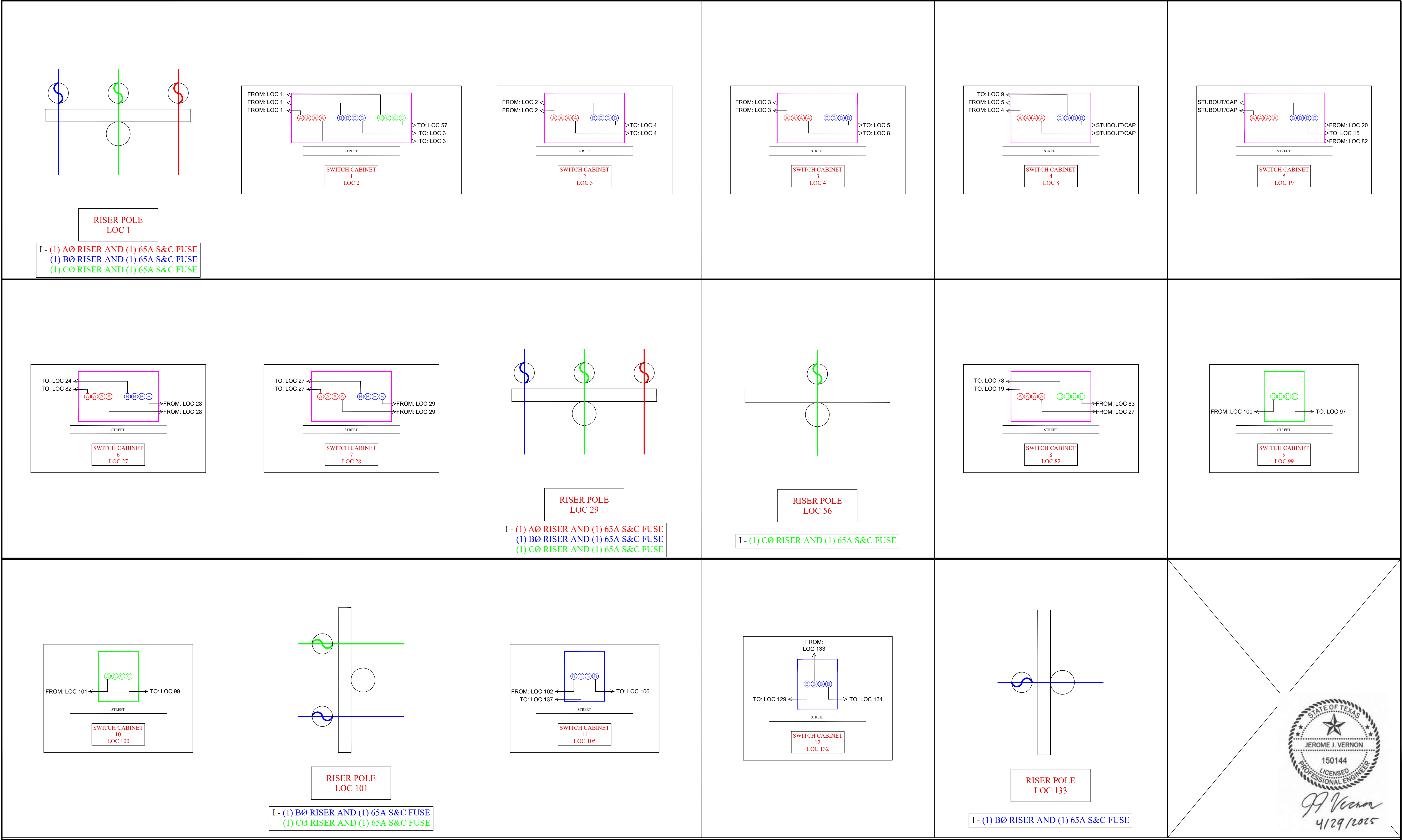


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ELECTRICAL | CIVIL | MEP
TEXAS REGISTERED ENGINEERING FIRM F-1394



gvec
Delivering more.™

LANTANA UNIT 1			
DESIGN	S. KOHLBERG	DATE	05/05/2025
TRAC	S. KOHLBERG	SCALE	SEE SCALE BAR
NO	2034424	REV	2 OF 2



ISSUED FOR CONSTRUCTION

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LANTANA UNIT 1			
DESIGN	S. KOHLENBERG	DATE	05/05/2025
TRAC	S. KOHLENBERG	SCALE	N/A
REV	2034424	PROJ	DETAILS