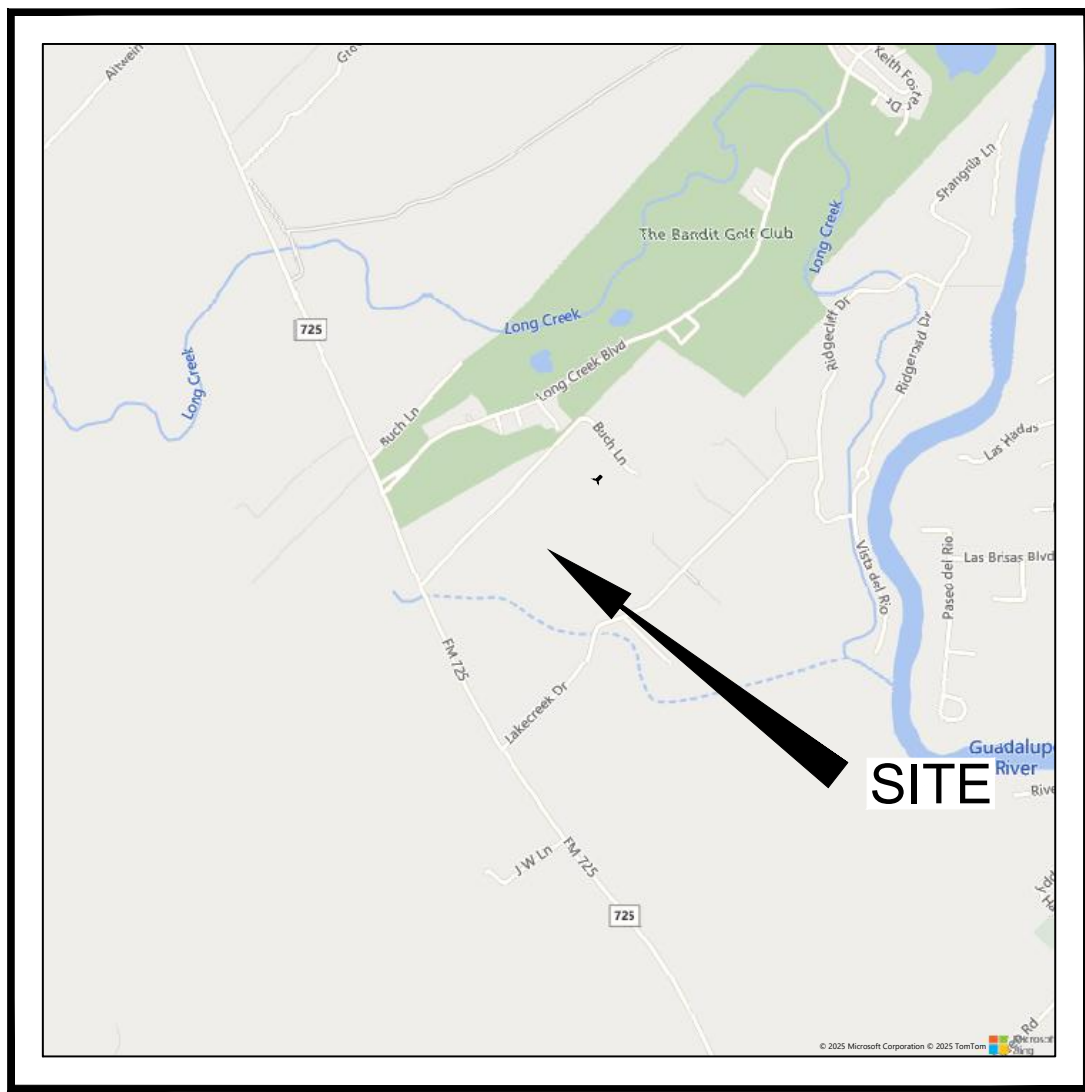


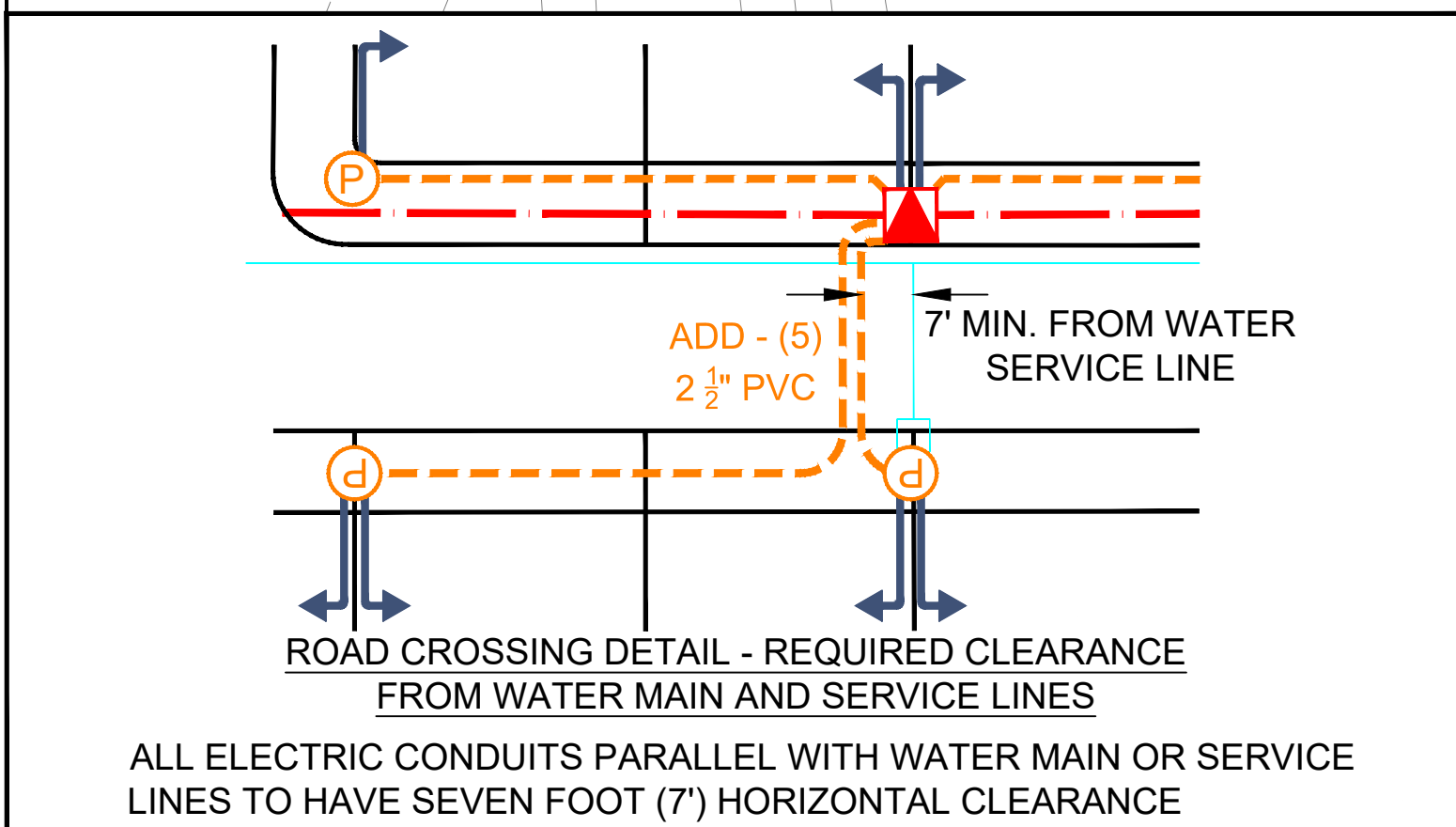
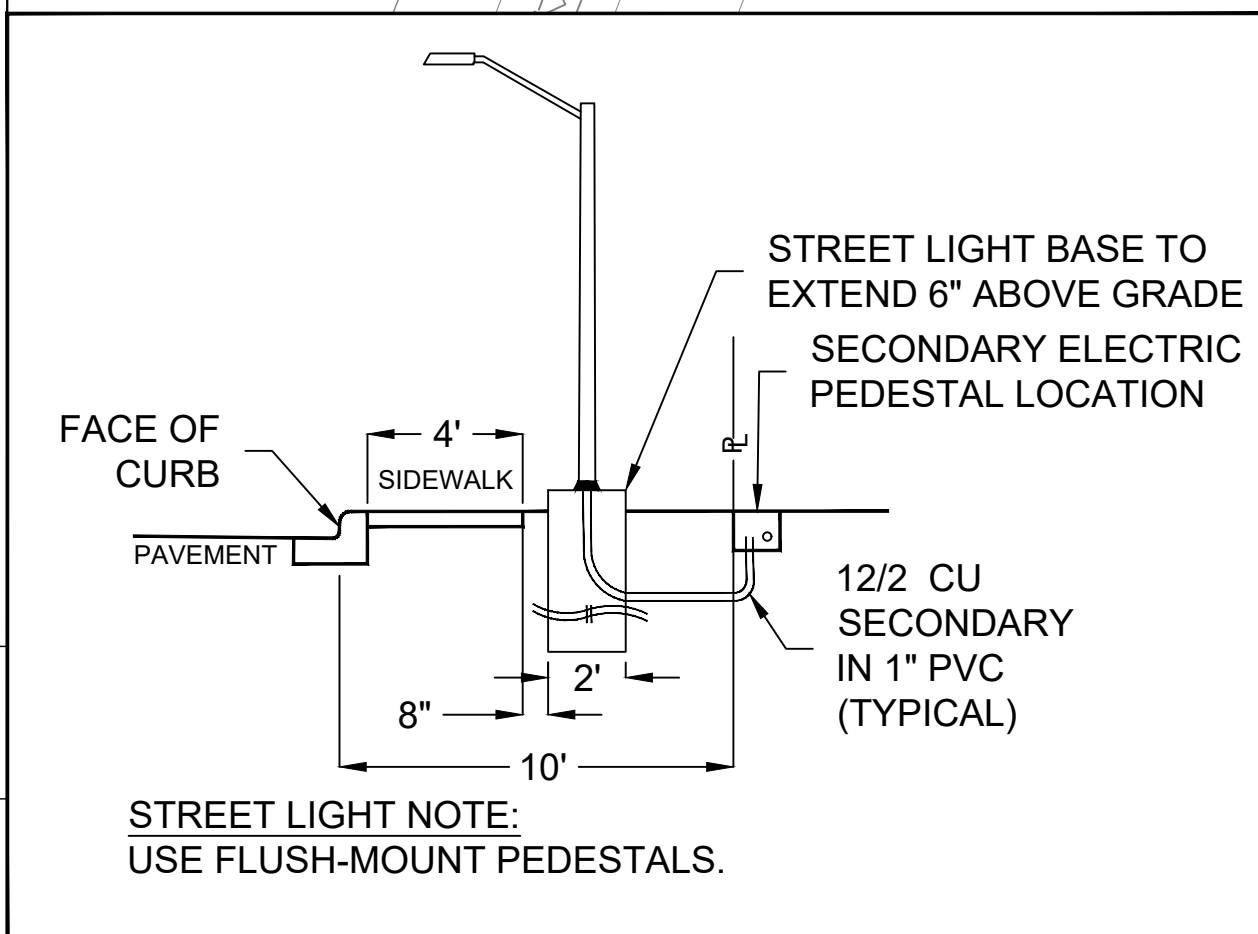
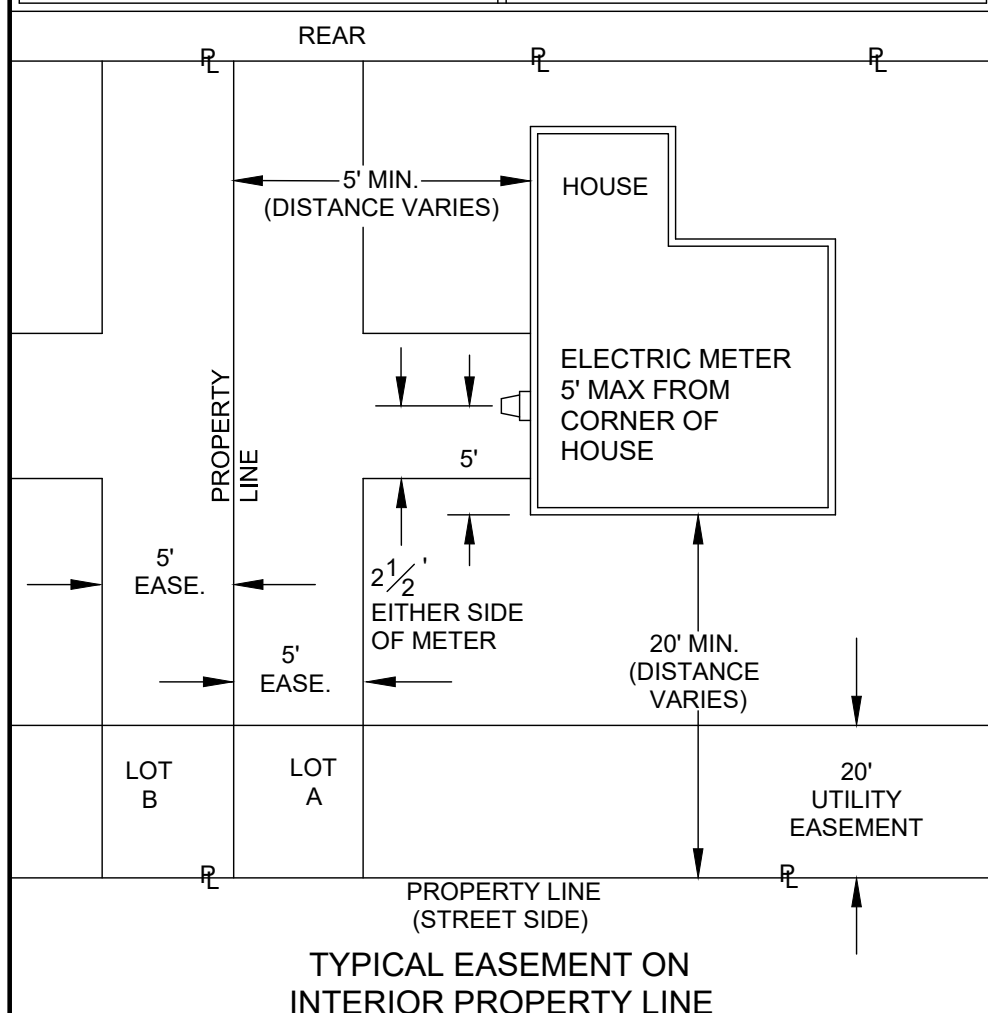


LOCATION MAP
N.T.S.

GVEC LEGEND		MATERIAL LIST	
3-4" ABC PHASE - 1000MCM AL 25KV WITH (1) 2 1/2" PVC FOR FIBER	7,500	U10000AL25KV	1000 MCM Aluminum URD Primary Cable
3-2 1/2" ABC PHASE - 1/0 AL 25KV	5,800	U1/0AL25KV	1/0 AL 25KV Aluminum URD Primary Cable
1-2 1/2" A PHASE - 1/0 AL 25KV	900	U350ALTP	350 MCM URD Triplex Secondary Cable
1-2 1/2" B PHASE - 1/0 AL 25KV	1,300	U4/0ALTP	4/0 MCM URD Triplex Secondary Cable
1-2 1/2" C PHASE - 1/0 AL 25KV	1,750	U12/2UFW/GRD	12/2 UF Copper with Ground Street Light Cable
1-2 1/2" SECONDARY - 350 TPLX WITH (1) 2 1/2" SPARE CONDUIT	800	U2ALTP	#2 UF Aluminum Triplex
1-2 1/2" SECONDARY - 4/0 TPLX WITH (1) 2 1/2" SPARE CONDUIT	4	UK6-#2	Secondary Pedestal, fed with #2 URD Triplex
1-2 1/2" SECONDARY - #2 TPLX WITH (1) 2 1/2" SPARE CONDUIT	7	UK6-350	Secondary Pedestal, Fed with 350 MCM URD Triplex
1-2 1/2" SECONDARY - #2 TPLX WITH (1) 2 1/2" SPARE CONDUIT	12	UK6-4-0	Secondary Pedestal, Fed with 4/0 MCM URD Triplex
1-1" STREET LIGHT - 12/2 W/GND	22	M60-C3LED	54W LED Type 3 LT for Aluminum Pole
BACK OF P.U.E.	22	UP30-5AL	30ft Aluminum Street Light Pole
SECONDARY PEDESTAL	8,750	UPVC4	4" Schedule 40 PVC
TRANSFORMER	14,500	UPVC2 1/2	2.5" Schedule 40 PVC
200A 1Ø SWITCH CABINET	900	UPVC1	1" Schedule 40 PVC
200A SWITCH CABINET	3	UVG5- Small	14.4 kv Single Phase Open Transformer (75kVA and below)
SWITCHGEAR	16	UVG7- Small	14.4 kv Single Phase Loop Transformer (75kVA and below)
600A ENCLOSURE	8	50 PAD 14.4 120	50kV A Padmount Transformer
EASEMENT AREA	11	37.5 PAD 14.4 120	37.5kV A Padmount Transformer
NEW OVH POWER LINE	2	UVM31-3	1 Phase Switch Cabinet, 3-Way
EXISTING OVH POWER LINE	1	UVM32-3	2 Phase Switch Cabinet, 3-Way
NEW POWER POLE	1	UVM33-2-600	3 Phase Switch Cabinet, 2-Way, 600 Amp
EXISTING POWER POLE	4	UVM3E-3-9	Three Phase 600 Amp Dead Front Switchgear with 2 Source and 2 - 200amp Load Compartments
URD RISER	1	UVM2-6W-#4-1-0	14.4kV Three Phase Pothead Wood Pole with Spare Wood Pole #4-1-0 OH
STREET LIGHT	1	UVM2-1000W-477	14.4kV Three Phase Pothead Wood Pole 1000 URD-477 OH
ANCHOR			

NOTE: G.V.E.C. WILL MAINTAIN 5' EASEMENT FOR SERVICE ENTRANCE TO DWELLING. THIS EASEMENT WILL VARY DEPENDING UPON LOCATION OF DWELLING.

G.V.E.C. SHALL HAVE ACCESS TO THE METER LOCATIONS FROM THE FRONT YARDS WITH THE METER LOCATIONS NOT BEING LOCATED WITHIN A FENCED AREA.



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MCQUEENEY OAKS UNIT 1	
DESIGN	S. KOHLENBERG
DATE	11/03/2025
TRAC	S. KOHLENBERG
SCALE	SEE SCALE BAR
NO	2055981
NO	1 OF 3

- 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.
 - 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.
 - WATER PROVIDED BY: GVSUD
 - SEWER PROVIDED BY: GBRA



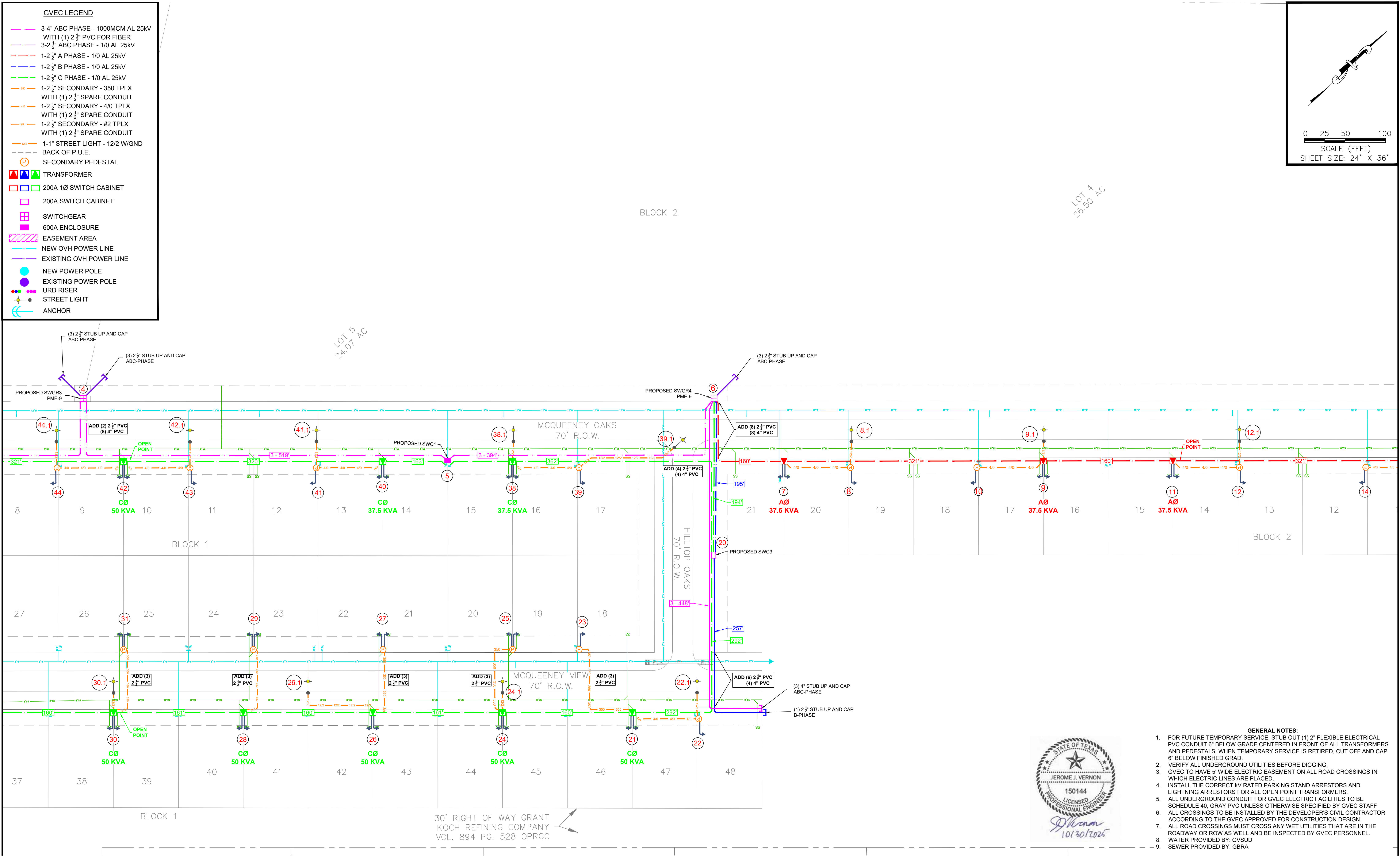
WO# 2055981
63 LOTS
22 LIGHTS

0 25 50 100
SCALE (FEET)
SHEET SIZE: 24" X 36"

MATCHLINE - REFER TO SHEET 2

MATCHLINE - REFER TO SHEET 1

Date: 11/3/2025 8:49 AM User: JEFFREY KOHLBERG
File: T:\GVEC\2025\McQUEENEY OAKS UNIT 1.DWG



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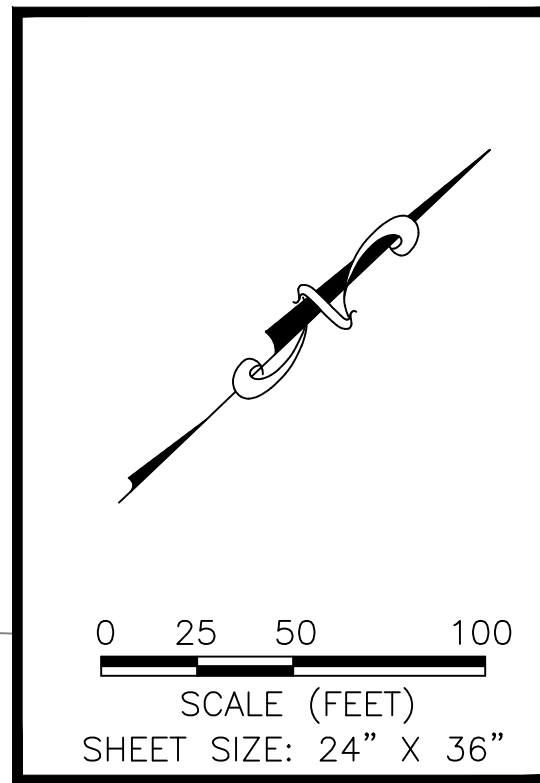
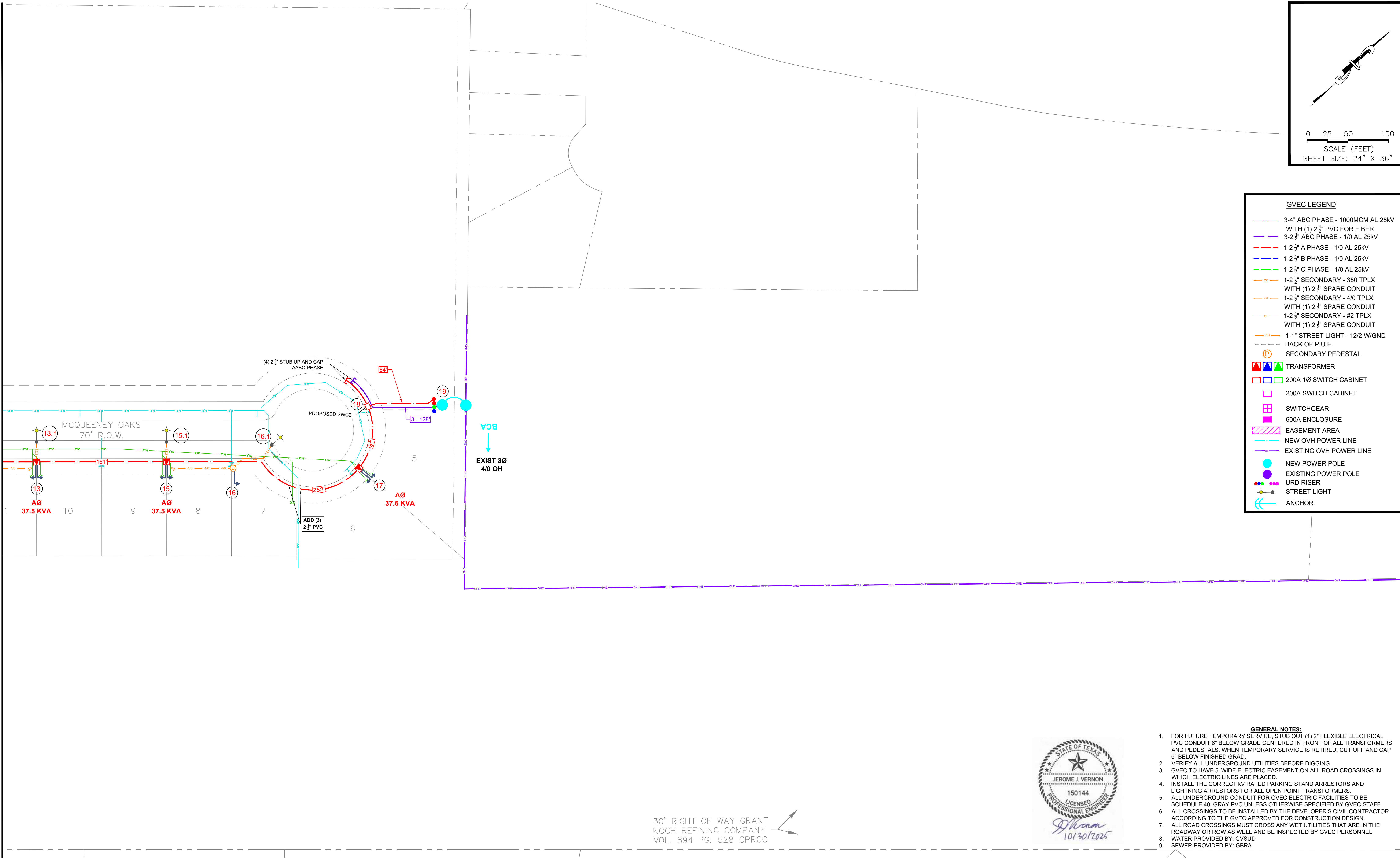
McQUEENEY OAKS UNIT 1			
DESIGN	S. KOHLBERG	REVISION	11/03/2025
DRAWN	S. KOHLBERG	SCALE	SEE SCALE BAR
NO.	2055981	PAGE	2 OF 3



- GENERAL NOTES:**
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 - WATER PROVIDED BY: GVSUD
 - SEWER PROVIDED BY: GBRA

MATCHLINE - REFER TO SHEET 2

Date: 11/3/2025 8:50 AM User: JEFFREY KOHLENBERG File: T:\GVEC\2025\MCQUEENEY OAKS UNIT 1\MCQUEENEY OAKS UNIT 1.DWG



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
	1-2 1/2" SECONDARY - #2 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
	600A ENCLOSURE
	EASEMENT AREA
	NEW OVH POWER LINE
	EXISTING OVH POWER LINE
	NEW POWER POLE
	EXISTING POWER POLE
	URD RISER
	STREET LIGHT
	ANCHOR

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30' RIGHT OF WAY GRANT
KOCH REFINING COMPANY
VOL. 894 PG. 528 OPRGC

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TEXAS REGISTERED ENGINEERING FIRM F-1394

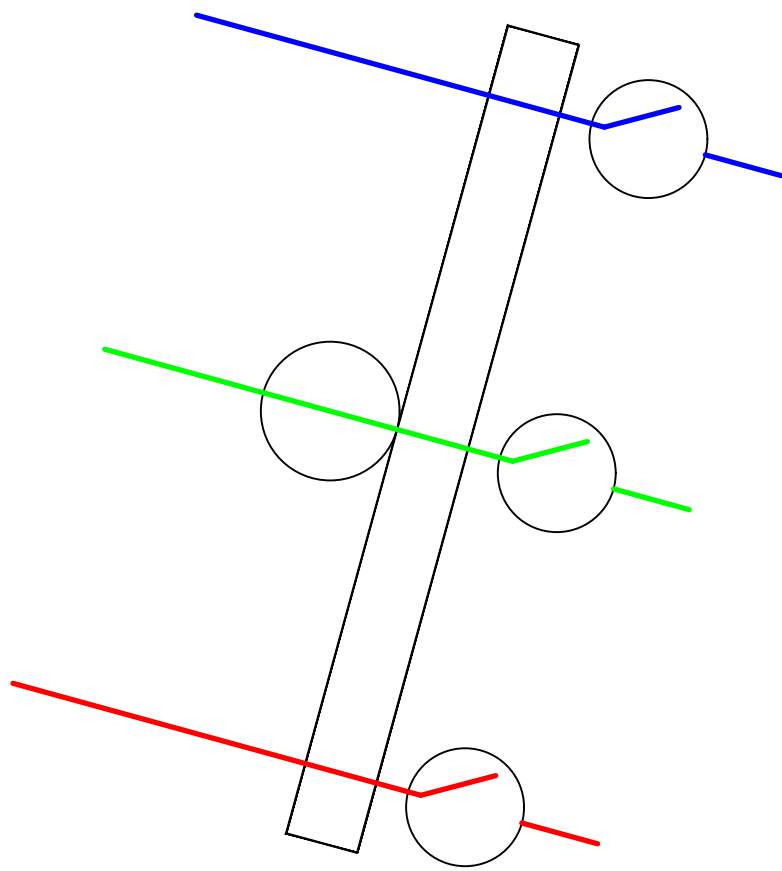
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MCQUEENEY OAKS UNIT 1			
DESIGN	S. KOHLENBERG	DATE	11/03/2025
TRCH	S. KOHLENBERG	SCALE	SEE SCALE BAR
NO	2055981	PG	3 OF 3

1

RISER POLE

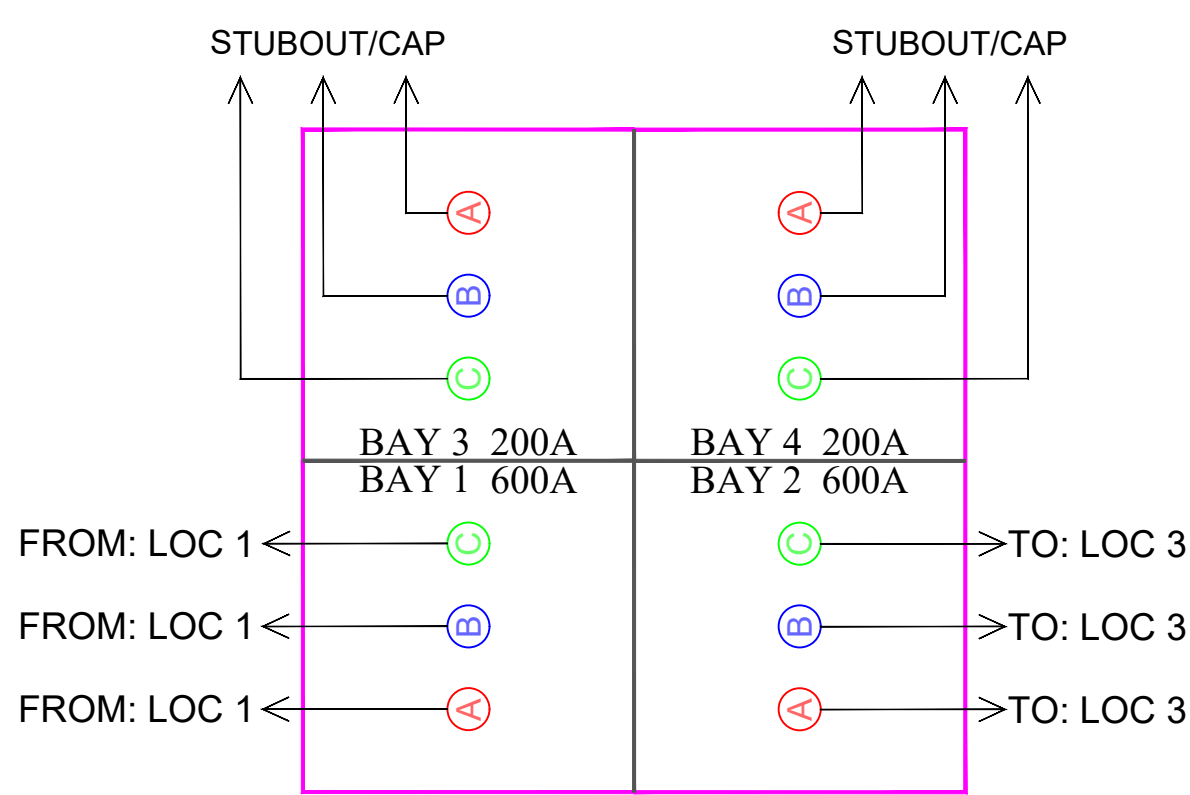
I - (1) AØ RISER AND (1) 600A DISCONNECT BLADE SWITCH
(1) BØ RISER AND (1) 600A DISCONNECT BLADE SWITCH
(1) CØ RISER AND (1) 600A DISCONNECT BLADE SWITCH



2

SWITCHGEAR 1 - PME9

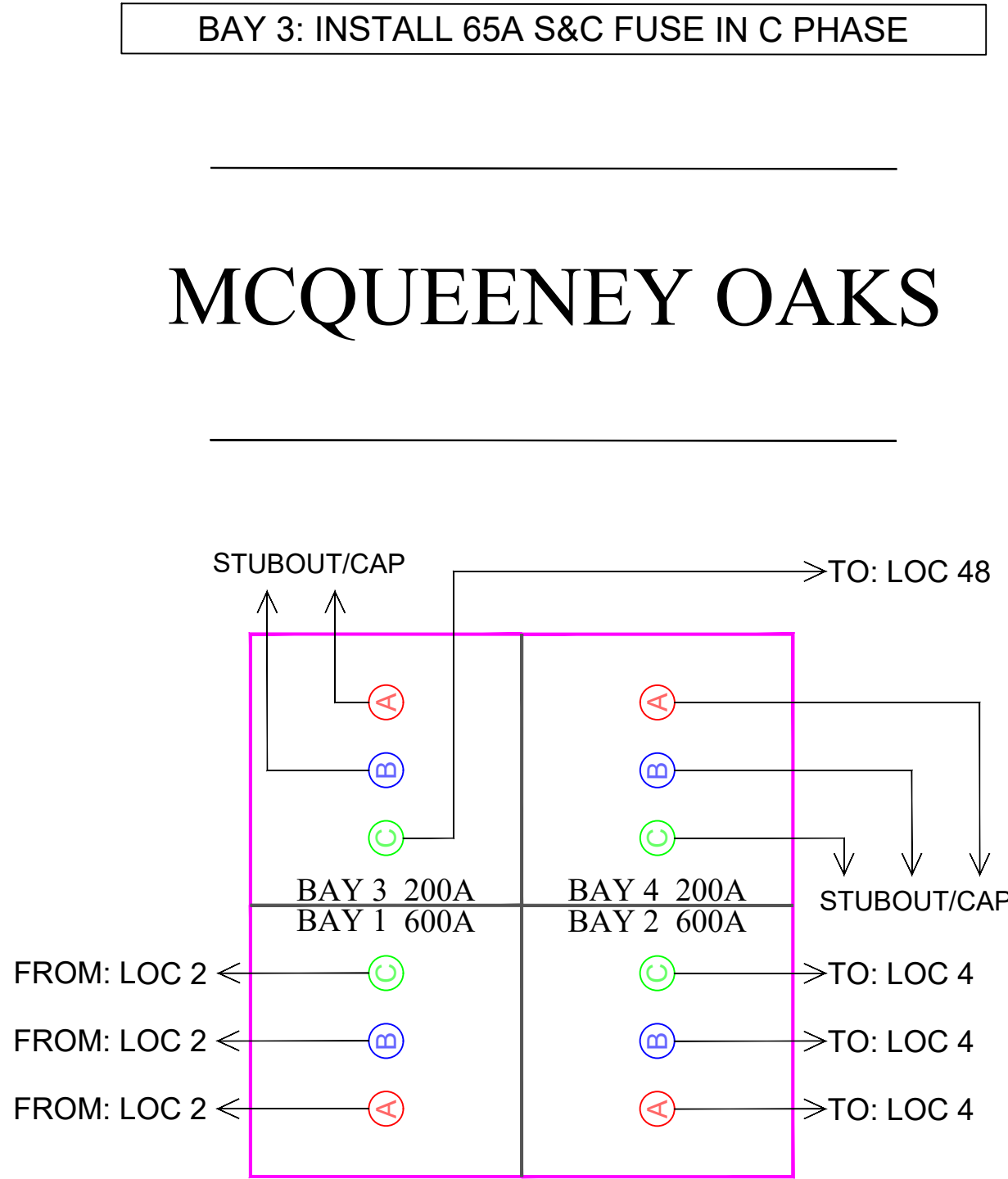
MCQUEENEY OAKS



3

SWITCHGEAR 2 - PME9

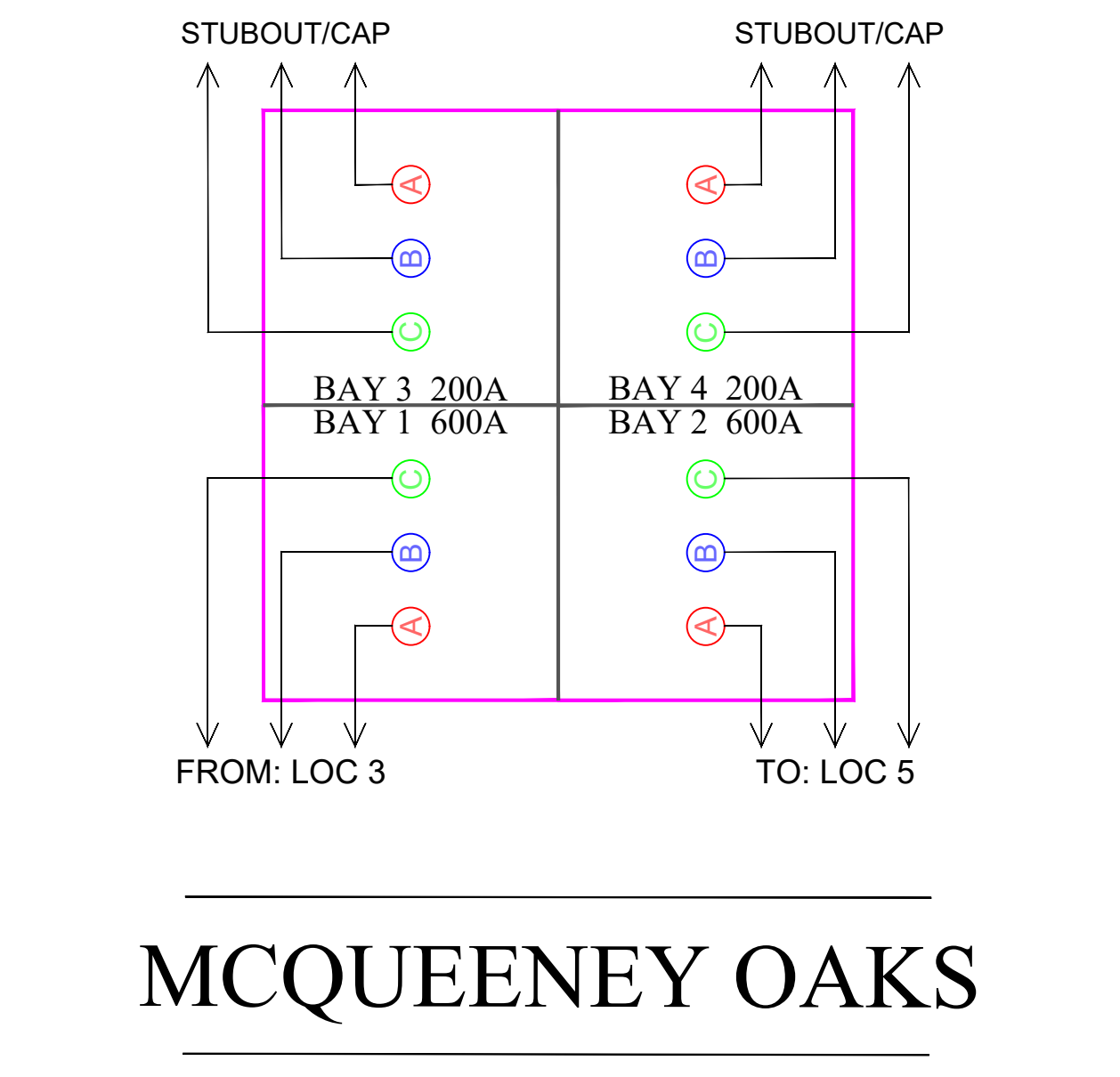
MCQUEENEY OAKS



4

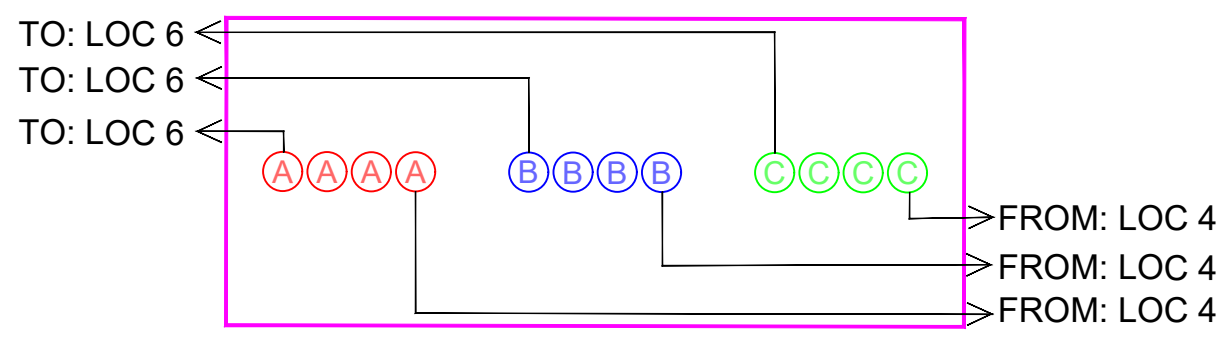
SWITCHGEAR 3 - PME9

MCQUEENEY OAKS



5

SWITCH CABINET 1

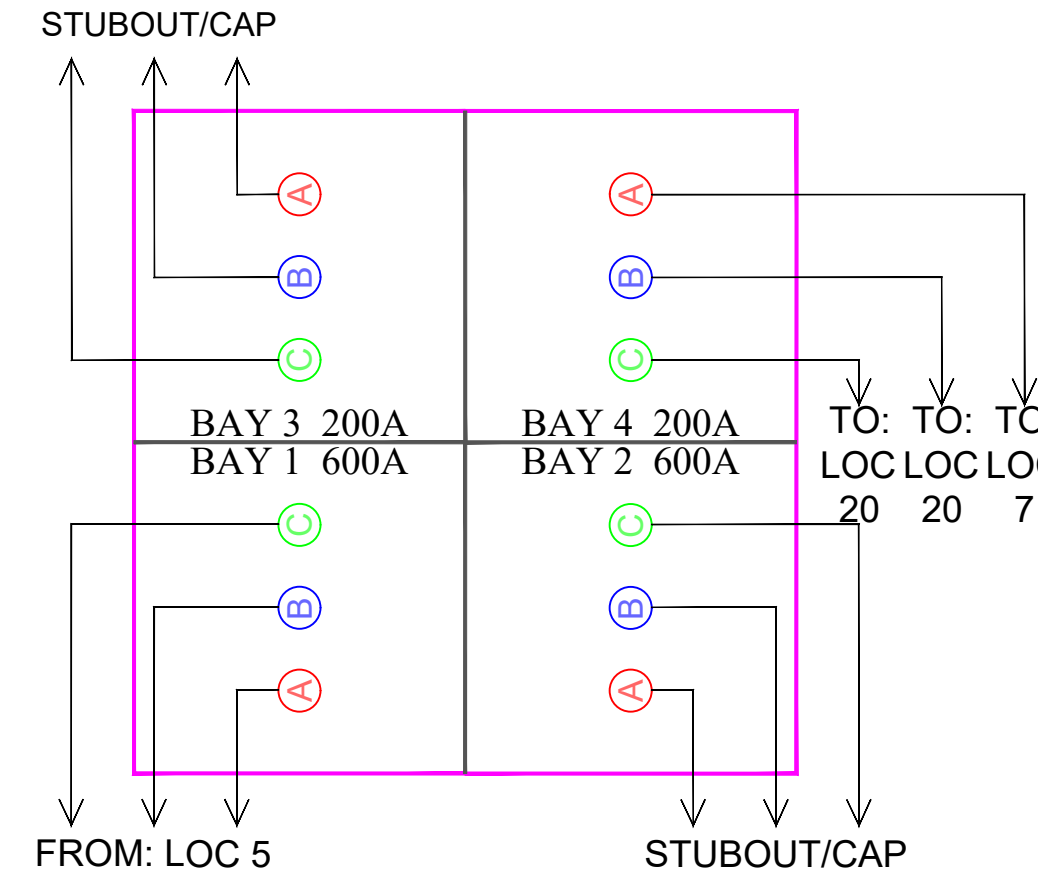


MCQUEENEY OAKS

6

SWITCHGEAR 4 - PME9

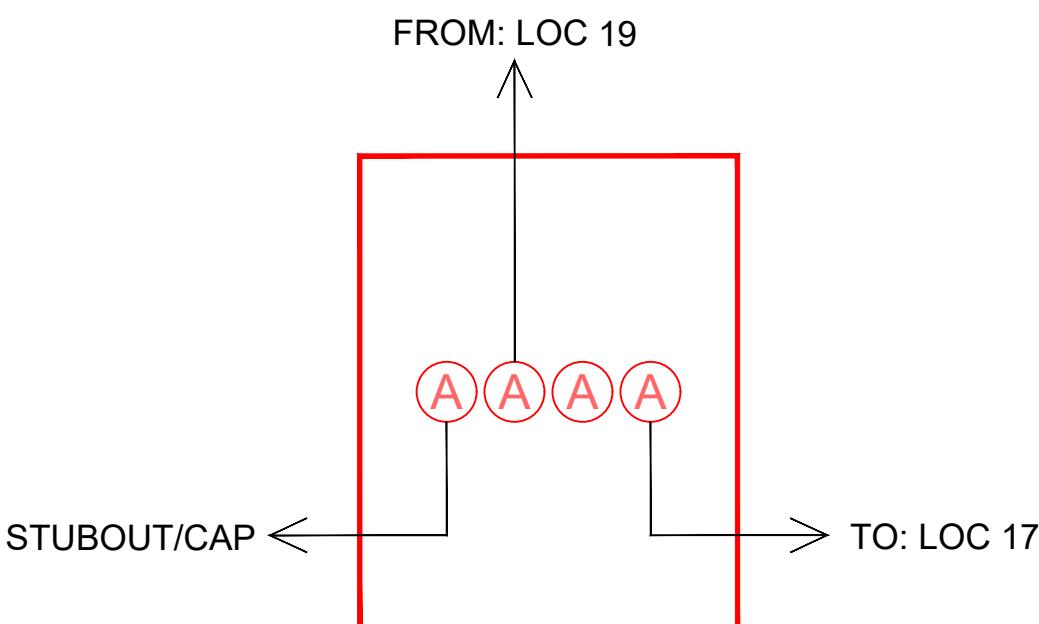
BAY 4: INSTALL 65A S&C FUSE IN ABC PHASES



MCQUEENEY OAKS

18

SWITCH CABINET 2

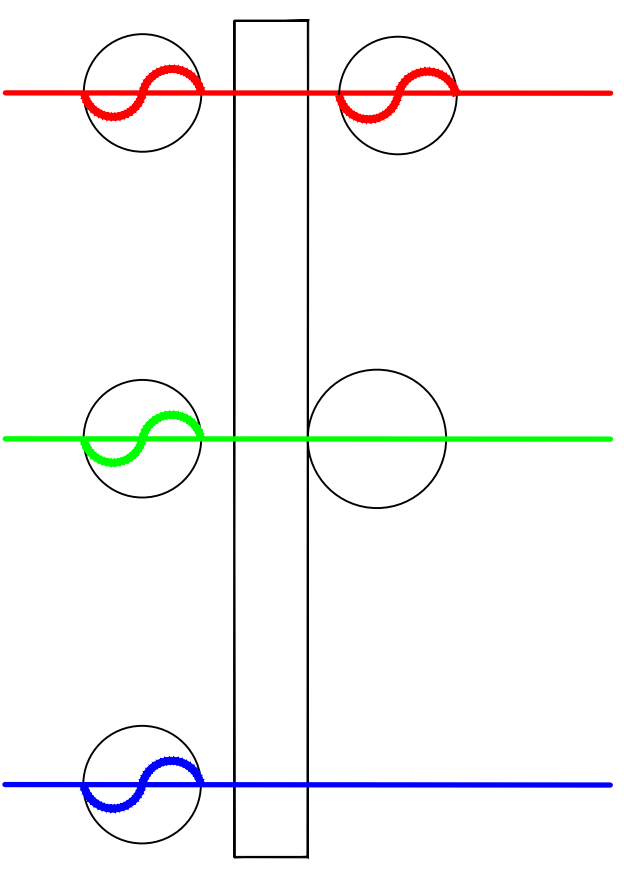


MCQUEENEY OAKS

19

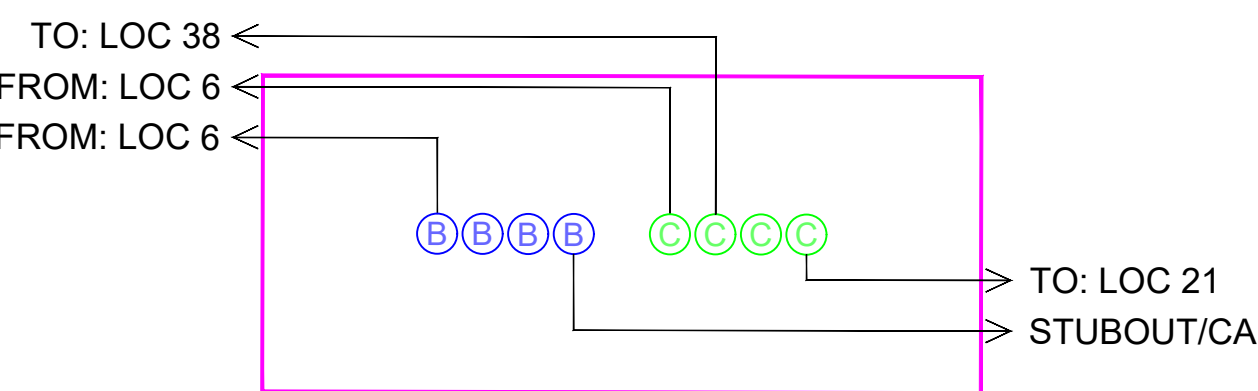
RISER POLE

I - (2) AØ RISER AND (1) 65A S&C FUSE
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(1) CØ RISER AND (1) 65A S&C FUSE



20

SWITCH CABINET 3

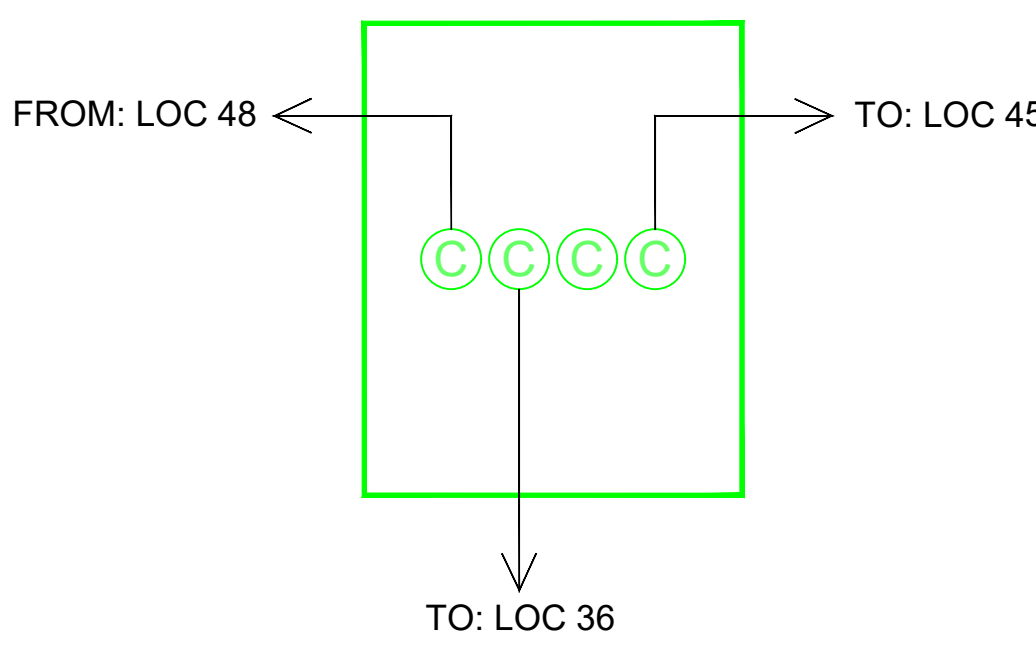


HILLTOP OAKS

47

SWITCH CABINET 4

MCQUEENEY OAKS



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DESIGN	S. KOHLENBERG	REVISION	11/03/2025
DRAWN	S. KOHLENBERG	SCALE	N/A
NO.	2055981	PROJ.	DETAILS