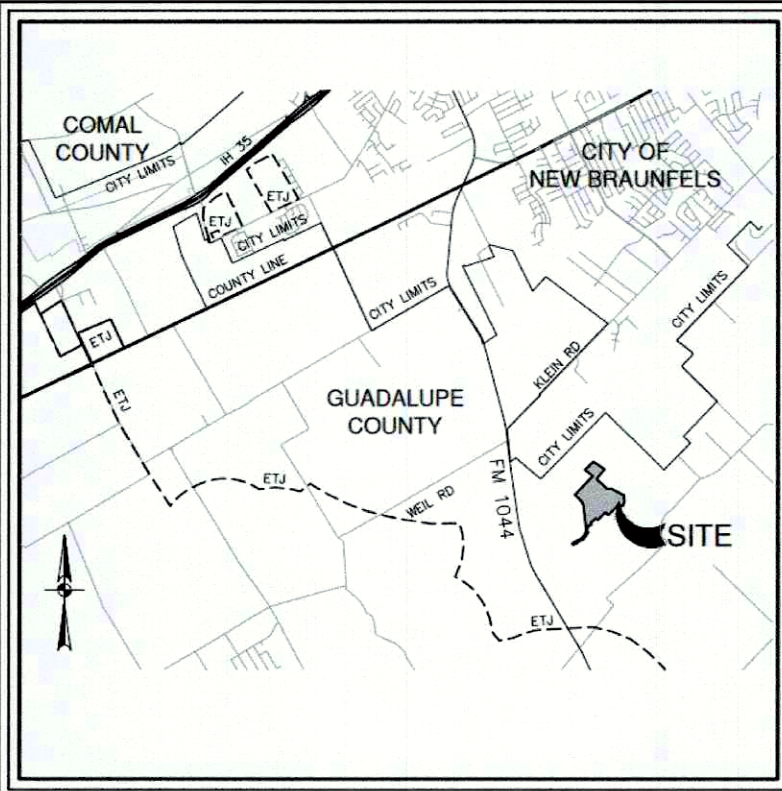




### VICINITY MAP

NOT TO SCALE

WO# 195554

105 LOTS

27 LIGHTS

GRAPHIC SCALE

Upline Device

MA201

14.4/24.9 kV

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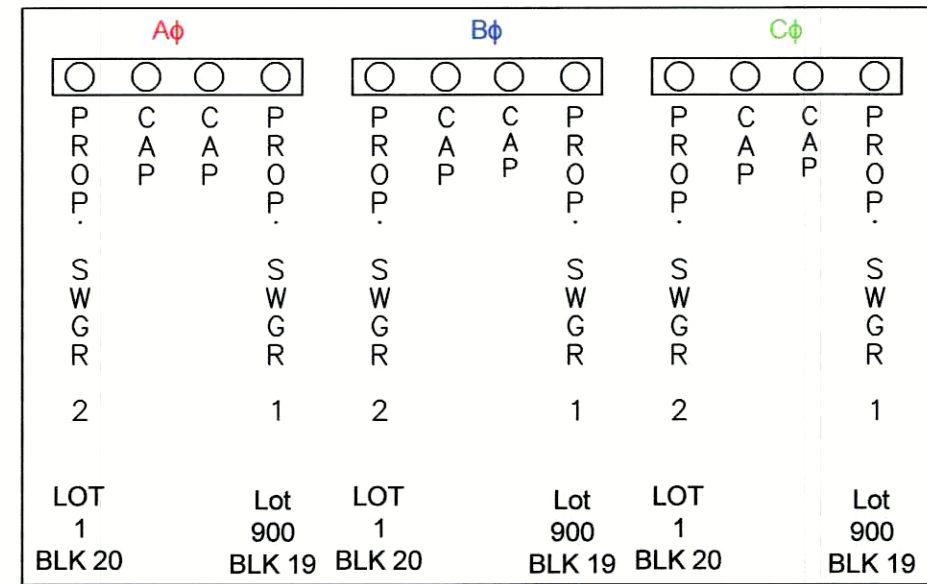
14.4/24.9 kV

14.4/24.9 kV

14.4/24.9 kV

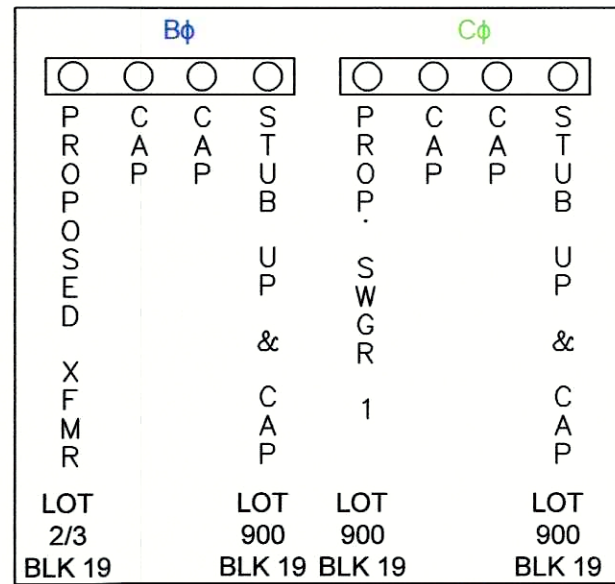
14.4/24.9 kV

| PHASE | LOTS     |       |
|-------|----------|-------|
|       | EXISTING | TOTAL |
| Aφ    | 0        | 0     |
| Bφ    | 34       | 34    |
| Cφ    | 0        | 0     |



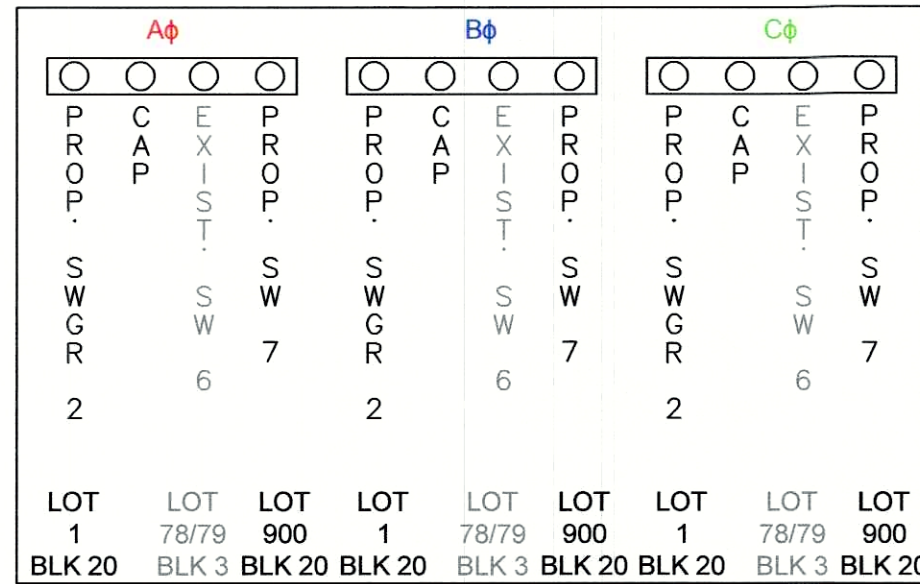
DETAIL 1: PROPOSED SW 1 - 600 AMP

PROPOSED 3φ SWITCH CABINET



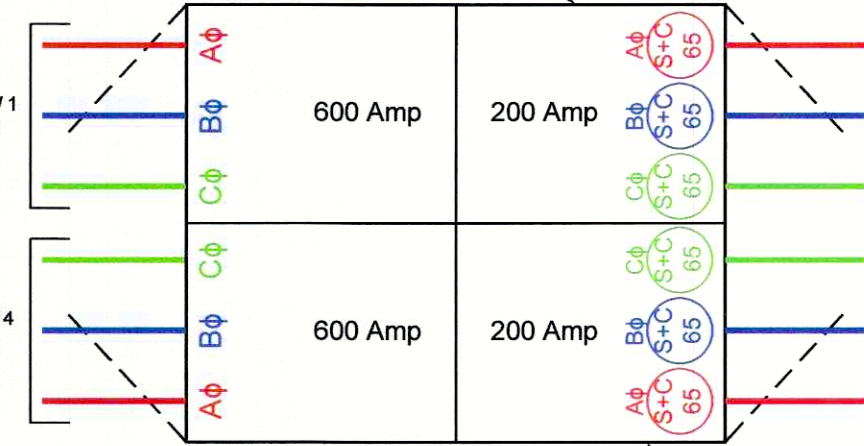
DETAIL 2: PROPOSED SW 2

PROPOSED 2φ (Bφ, Cφ) SWITCH CABINET



DETAIL 4: PROPOSED SW 4 - 600 AMP

PROPOSED 3φ SWITCH CABINET

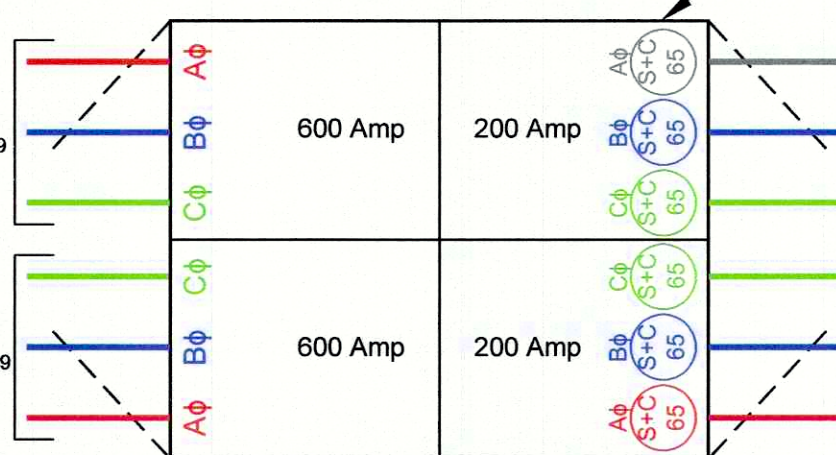


DETAIL 7: PROPOSED SWGR 2 (PME-9)

PROPOSED SWITCHGEAR LAYOUT

| PHASE | LOTS            |       |
|-------|-----------------|-------|
|       | PROPOSED UNIT 8 | TOTAL |
| Aφ    | 23              | 23    |
| Bφ    | 36              | 36    |
| Cφ    | 41              | 41    |

| PHASE | LOTS            |        |       |
|-------|-----------------|--------|-------|
|       | PROPOSED UNIT 8 | FUTURE | TOTAL |
| Bφ    | 5               | 32     | 37    |
| Cφ    | 0               | 46     | 46    |



DETAIL 6: PROPOSED SWGR 1 (PME-9)

PROPOSED SWITCHGEAR LAYOUT

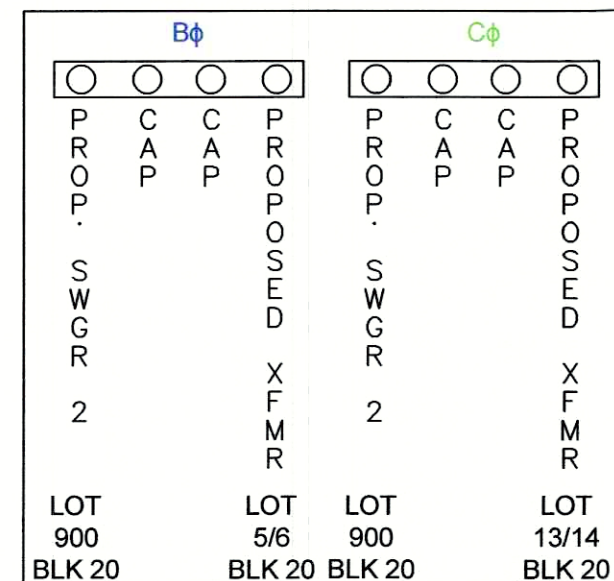
| PHASE | LOTS            |       |
|-------|-----------------|-------|
|       | PROPOSED UNIT 8 | TOTAL |
| Aφ    | 23              | 23    |
| Bφ    | 36              | 36    |
| Cφ    | 41              | 41    |

### 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
- 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 WGN IN (1) 1" PVC CONDUIT
- FUTURE SERVICE STUB-OUT (CONDUIT ONLY)
- PROPOSED WATER LINES (BY OTHERS)

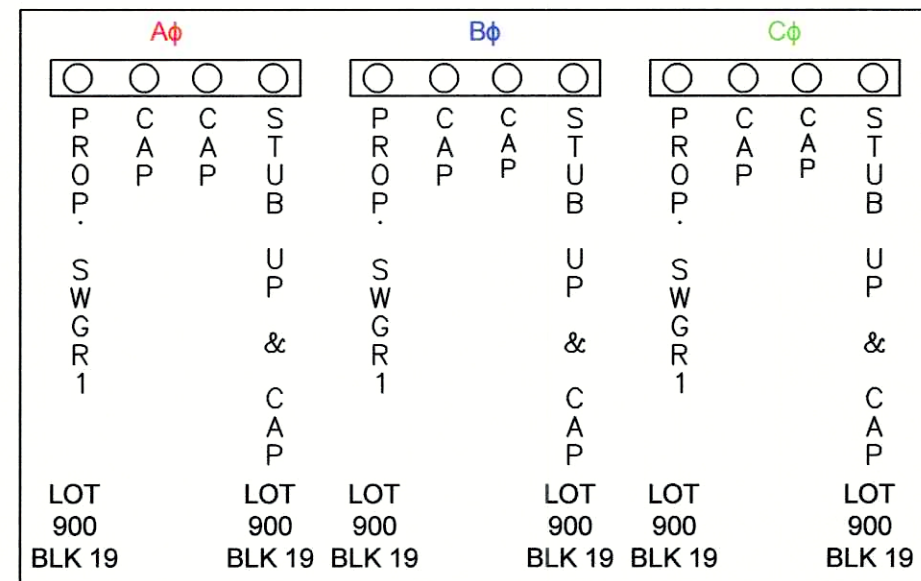
### GENERAL NOTES:

- 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 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 GBRA



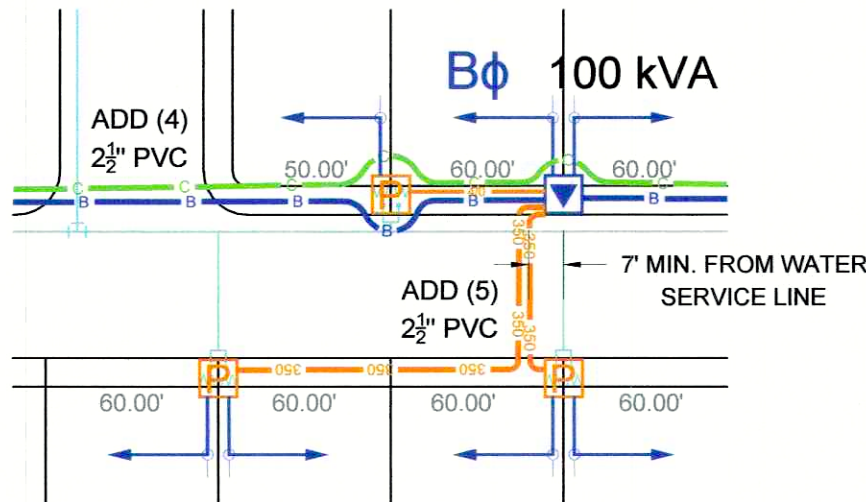
DETAIL 3: PROPOSED SW 3

PROPOSED 2φ (Bφ, Cφ) SWITCH CABINET



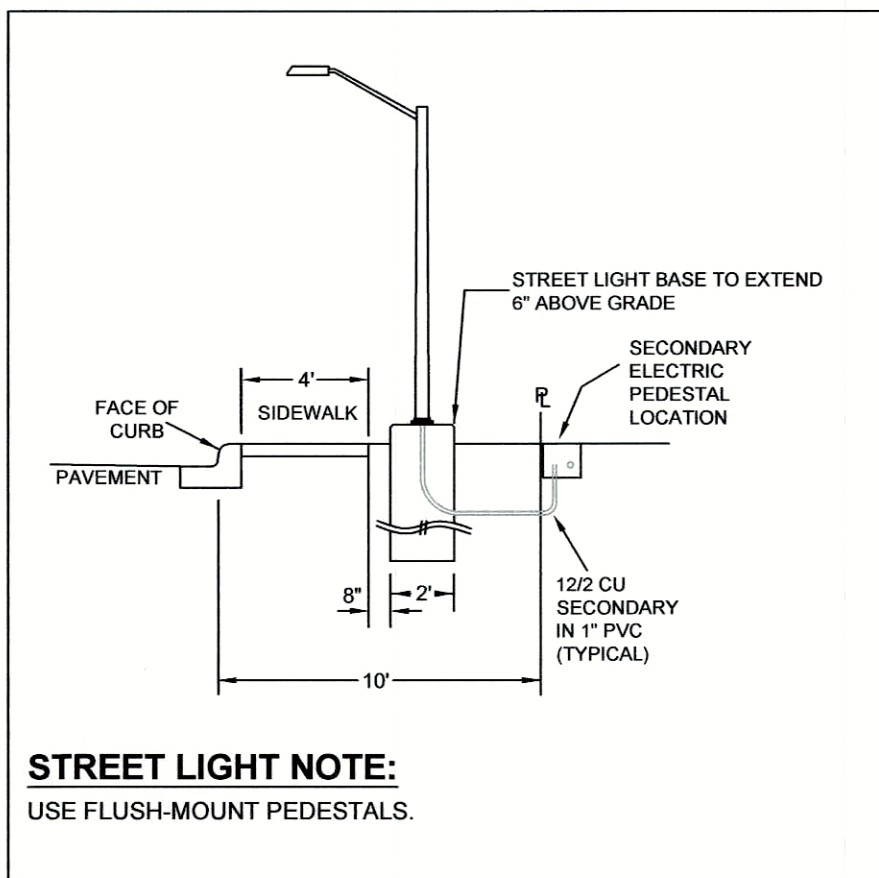
DETAIL 5: PROPOSED SW 5 - 600 AMP

PROPOSED 3φ SWITCH CABINET

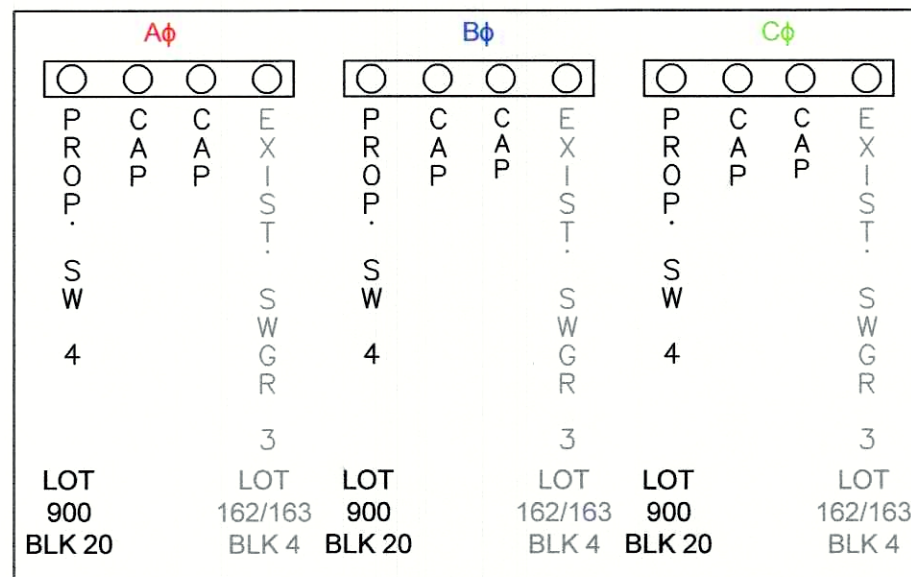


### ROAD CROSSING DETAIL - REQUIRED CLEARANCE FROM WATER MAIN AND SERVICE LINES

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



STREET LIGHT NOTE:  
USE FLUSH-MOUNT PEDESTALS.

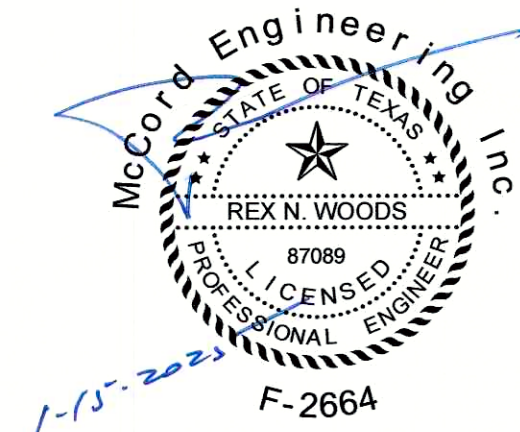


DETAIL 8: EXISTING SW 6 - 600 AMP

PROPOSED 3φ SWITCH CABINET

| DATE       | # | BY  | REVISION                                                                                                                                |
|------------|---|-----|-----------------------------------------------------------------------------------------------------------------------------------------|
| 07/18/2024 | 1 | SBF | NOTE: G.V.E.C. WILL MAINTAIN 5' EASEMENT FOR SERVICE ENTRANCE TO DWELLING. THIS EASEMENT WILL VARY DEPENDING UPON LOCATION OF DWELLING. |
| 07/18/2024 | 2 | SBF | G.V.E.C. SHALL HAVE ACCESS TO THE METER LOCATION FROM THE FRONT YARDS WITH THE METER LOCATION NOT BEING LOCATED WITHIN A FENCED AREA.   |
| 07/18/2024 | 3 | SBF | TYPICAL EASEMENT ON INTERIOR PROPERTY LINE                                                                                              |

| Material List |                   |                                                                                         |
|---------------|-------------------|-----------------------------------------------------------------------------------------|
| Quantity      | CU                | Description                                                                             |
| 7,885         | U1/0AL25KV        | 1/0 AL 25KV Aluminum URD Primary Cable                                                  |
| 15,775        | U1000AL25KV       | 1000 MCM Aluminum URD Primary Cable                                                     |
| 1,962         | U12/2UFW/GRD      | 12/2 UF Copper with Ground Street Light Cable                                           |
| 1,895         | U2ALTP            | #2 URD Triplex Secondary Cable                                                          |
| 3,927         | U350ALTP          | 350 MCM URD Triplex Secondary Cable                                                     |
| 509           | U4/0ALTP          | 4/0 MCM URD Triplex Secondary Cable                                                     |
| 9             | UK6-#2            | Secondary Pedestal, Fed with #2 URD Triplex                                             |
| 34            | UK6-350           | Secondary Pedestal, Fed with 350 MCM URD Triplex                                        |
| 7             | UK6-4-0           | Secondary Pedestal, Fed with 4/0 MCM URD Triplex                                        |
| 1             | UM3E-3-6          | Three Phase 600 Amp Dead Front Switchgear with 2 Source and 1-200 Amp Load Compartment  |
| 2             | UM3E-3-9          | Three Phase 600 Amp Dead Front Switchgear with 2 Source and 2-200 Amp Load Compartments |
| 1             | UM3E-3-11         | Three Phase 600 Amp Dead Front Switchgear with 3 Source and 1-200 Amp Load Compartment  |
| 27            | UP30-5AL          | 30 ft. Aluminum Street Light Pole                                                       |
| 27            | M60-C3LED         | 54W LED Type 3 LT for Aluminum Pole                                                     |
| 754           | UPVC 1            | 1" Schedule 40 PVC                                                                      |
| 12,505        | UPVC 2 1/2        | 2.5" Schedule 40 PVC                                                                    |
| 9,702         | UPVC 4            | 4" Schedule 40 PVC                                                                      |
| 3             | UVG5- Small       | 14.4 kv Single Phase Open Transformer (75kVA and Below)                                 |
| 1             | UVG6- Small       | 14.4 kv Single Phase Radial Transformer (75kVA and Below)                               |
| 9             | UVG7- Small       | 14.4 kv Single Phase Loop Transformer (75kVA and Below)                                 |
| 6             | UVG7- Large       | 14.4 kv Single Phase Loop Transformer (100kVA and Above)                                |
| 6             | 100 PAD 14.4 120  | 100kVA Padmount Transformer                                                             |
| 9             | 75 PAD 14.4 120   | 75kVA Padmount Transformer                                                              |
| 2             | 50 PAD 14.4 120   | 50kVA Padmount Transformer                                                              |
| 1             | 37.5 PAD 14.4 120 | 37.5kVA Padmount Transformer                                                            |
| 1             | 25 PAD 14.4 120   | 25kVA Padmount Transformer                                                              |
| 2             | UVM32-2           | 2 Phase Switch Cabinet, 2-Way                                                           |
| 1             | UVM33-3-600       | 3 Phase Switch Cabinet, 3-Way, 600 Amp                                                  |
| 3             | UVM33-2-600       | 3 Phase Switch Cabinet, 2-Way, 600 Amp                                                  |



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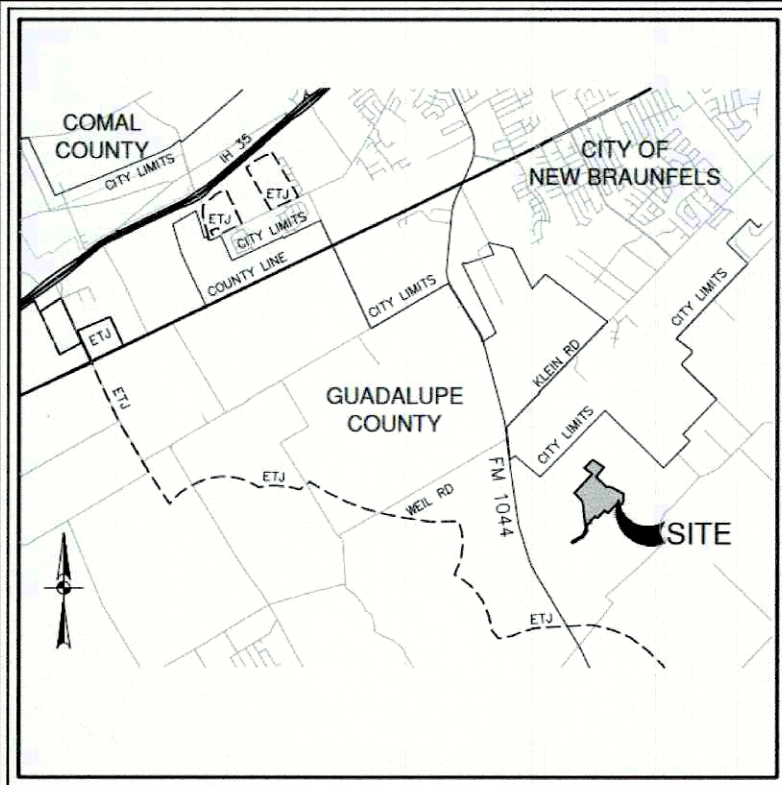
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P.O. BOX 118 - 825 E. SARAH DEWITT DR.  
GONZALES, TEXAS 78629-0118  
830-672-2871  
1800-223-GVEC(4832)  
FAX 210-672-9841  
e-mail info@gvec.org

|            |            |                     |                            |
|------------|------------|---------------------|----------------------------|
| DATE       | 07/18/2024 | JOB NAME            | WINDING CREEK RANCH UNIT 8 |
| DRAWN BY   | SBF        | DEVELOPER REVISIONS |                            |
| CHECKED BY |            | WORK ORDER #        | WO# 195554                 |
| DATE       | 07/18/2024 | SCALE               | 1"=100'                    |
| SCALE      | 1"=100'    | DATE                | 07/18/2024                 |
| DRAWN BY   | SBF        | JOB CODE            | GVC-3-W23-A                |
| DATE       | 07/18/2024 | DWG NO.             | MEI-17996                  |
| SHEET NO.  | 1 OF 2     | REV.                |                            |



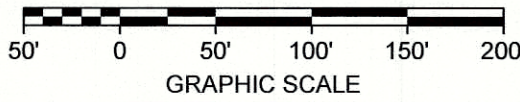
## VICINITY MAP

NOT TO SCALE

WO# 1955554

104 LOTS

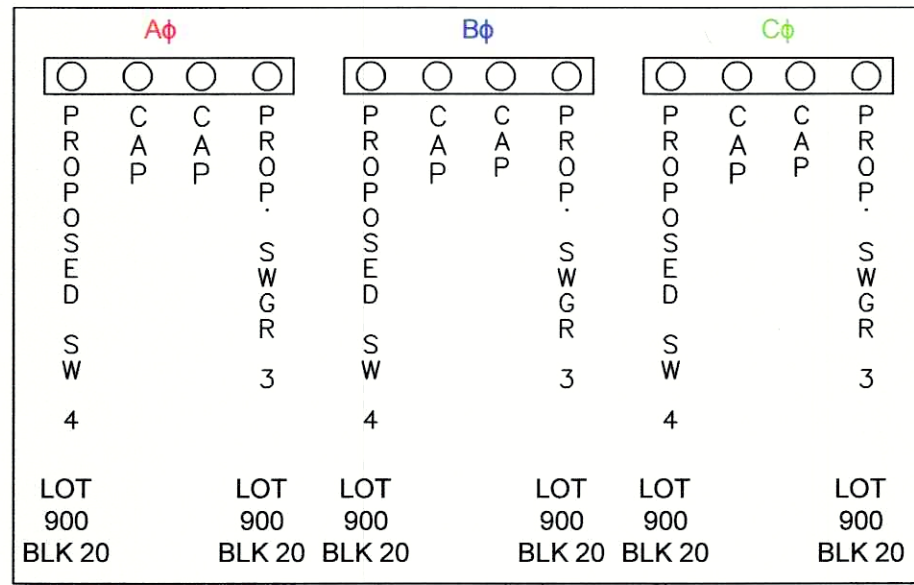
27 LIGHTS



Upline Device

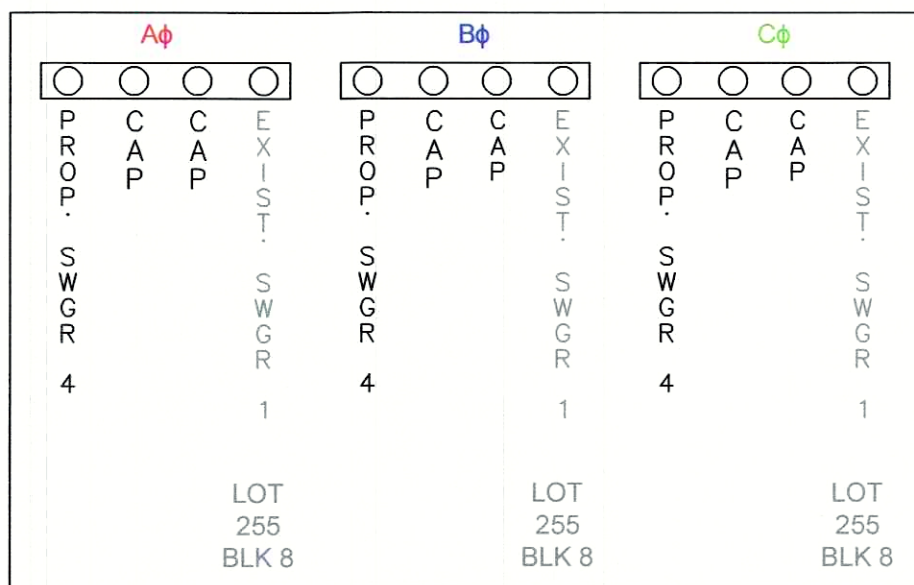
MA201

14.4/24.9 kV



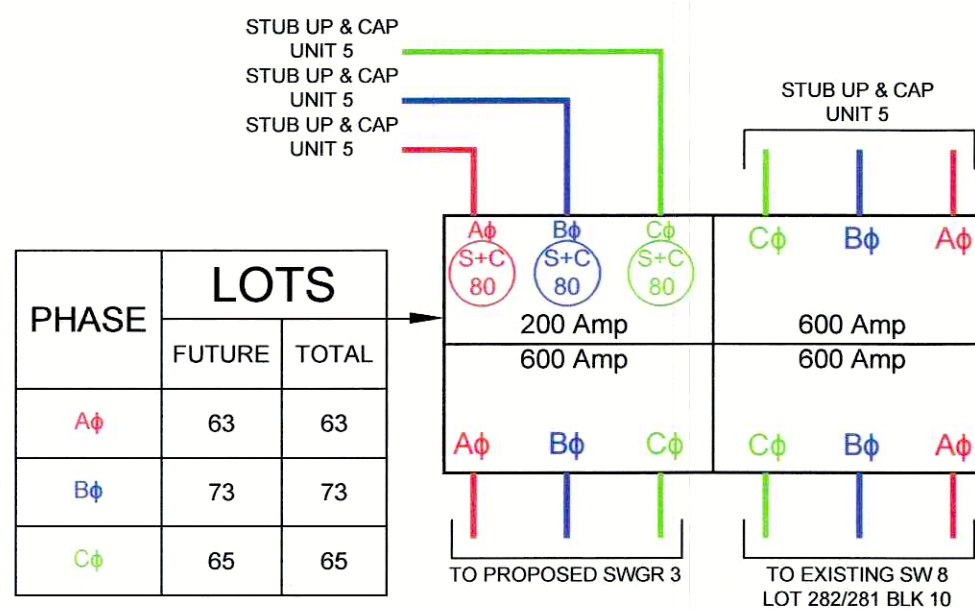
DETAIL 9: PROPOSED SW 7 - 600 AMP

PROPOSED 3/4 SWITCH CABINET



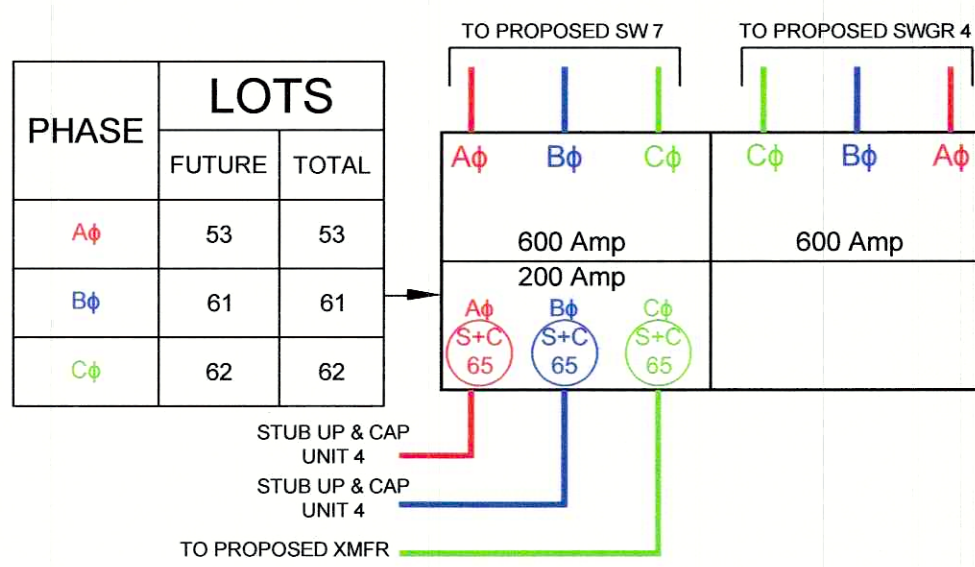
DETAIL 12: PROPOSED SW 8 - 600 AMP

PROPOSED 3/4 SWITCH CABINET



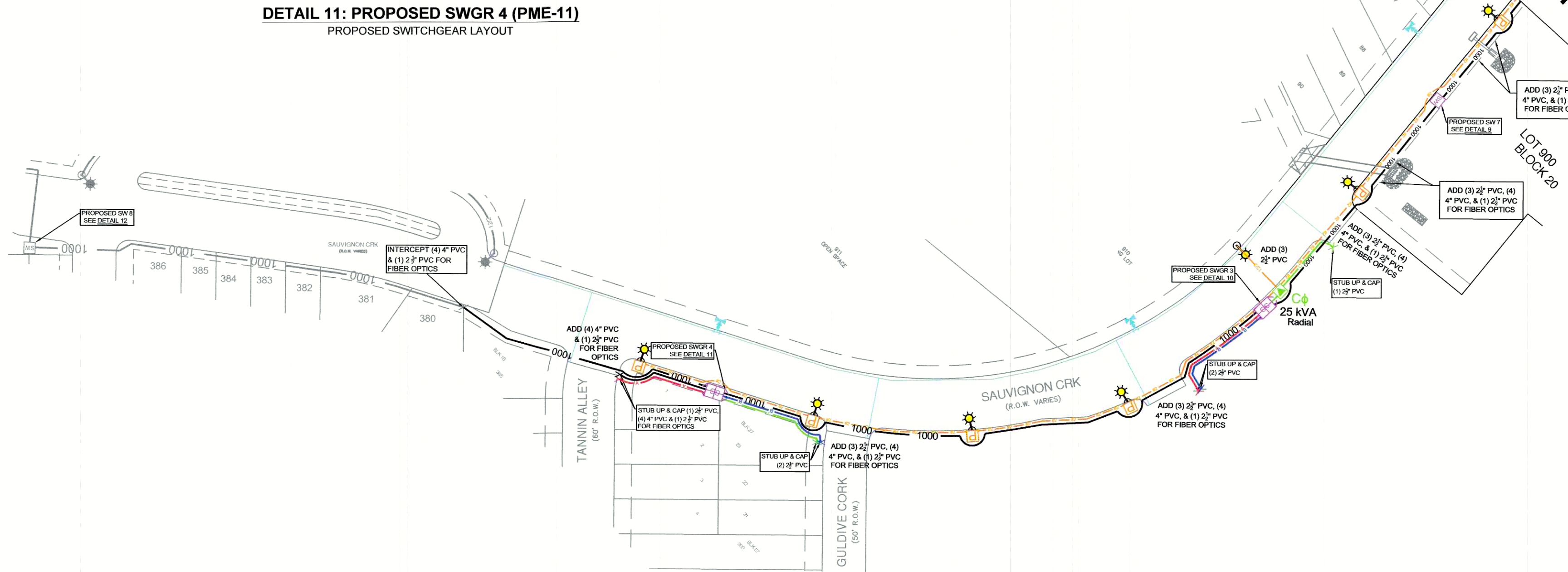
DETAIL 11: PROPOSED SWGR 4 (PME-11)

PROPOSED SWITCHGEAR LAYOUT



DETAIL 10: PROPOSED SWGR 3 (PME-6)

PROPOSED SWITCHGEAR LAYOUT



MATCHLINE "A"

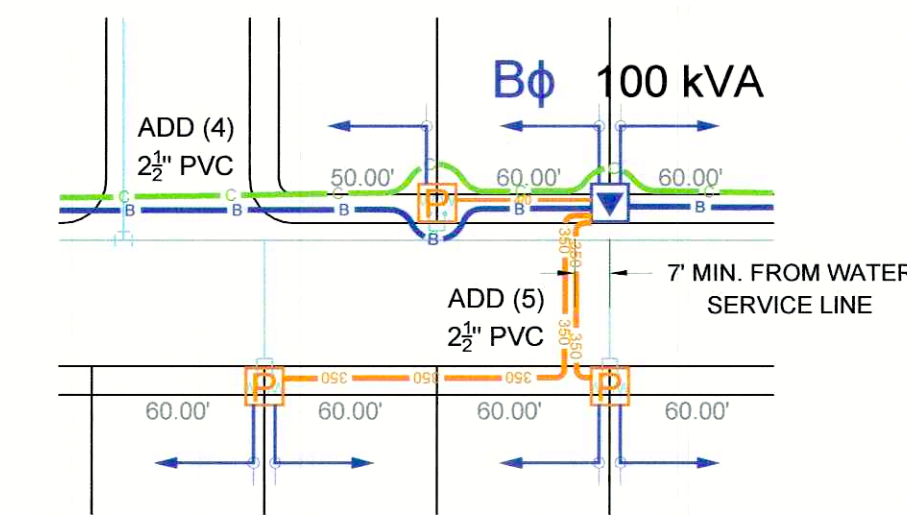
## LEGEND:

- 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
- 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 WIGND IN (1) 1" PVC CONDUIT
- FUTURE SERVICE STUB-OUT (CONDUIT ONLY)
- PROPOSED WATER LINES (BY OTHERS)

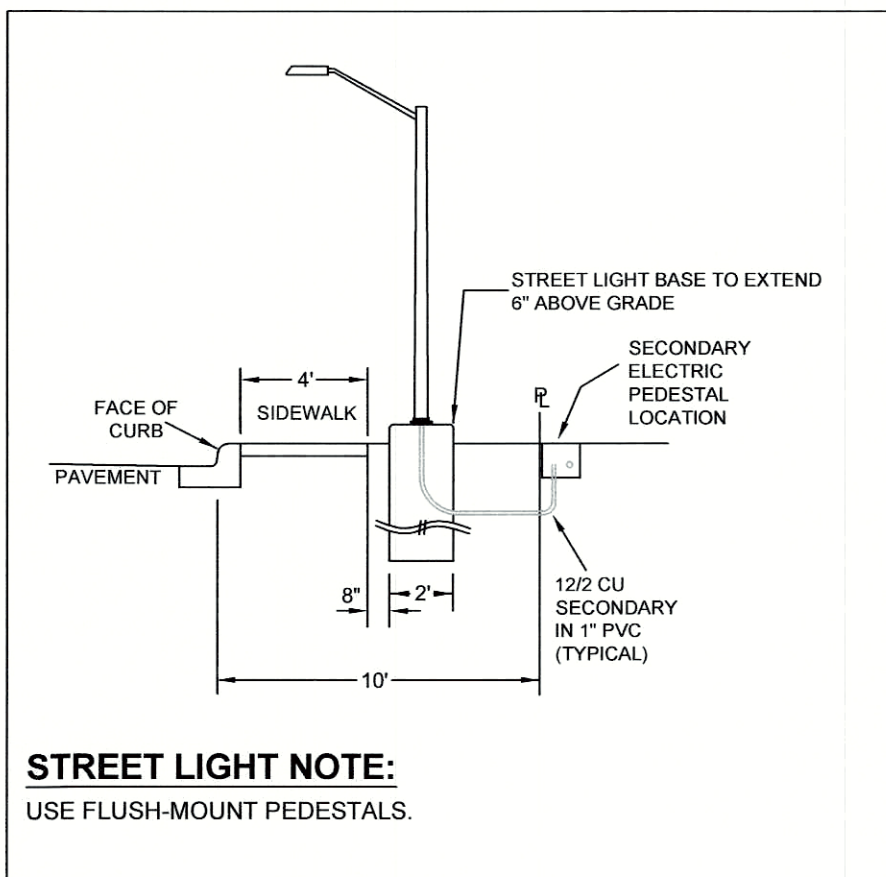
## GENERAL NOTES:

- 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 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 GBRA



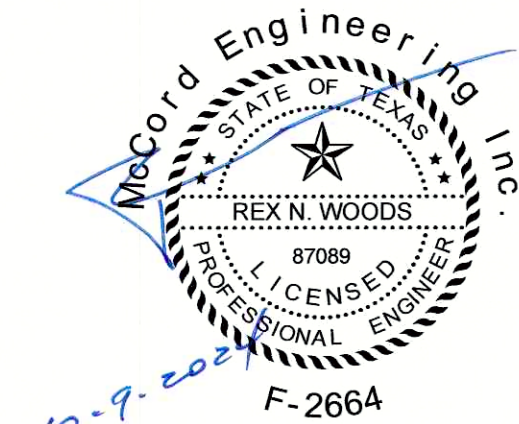
ROAD CROSSING DETAIL - REQUIRED CLEARANCE FROM WATER MAIN AND SERVICE LINES

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



STREET LIGHT NOTE:  
USE FLUSH-MOUNT PEDESTALS.

| DATE       | #  | BY  | REVISION                                                                                                                                |
|------------|----|-----|-----------------------------------------------------------------------------------------------------------------------------------------|
| 07/18/2024 | 1  | SBF | NOTE: G.V.E.C. WILL MAINTAIN 5' EASEMENT FOR SERVICE ENTRANCE TO DWELLING. THIS EASEMENT WILL VARY DEPENDING UPON LOCATION OF DWELLING. |
| 07/18/2024 | 2  | SBF | 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. |
| 07/18/2024 | 3  | SBF | REAR                                                                                                                                    |
| 07/18/2024 | 4  | SBF | 5' MIN. (DISTANCE VARIES)                                                                                                               |
| 07/18/2024 | 5  | SBF | HOUSE                                                                                                                                   |
| 07/18/2024 | 6  | SBF | ELECTRIC METER 5' MAX FROM CORNER OF HOUSE                                                                                              |
| 07/18/2024 | 7  | SBF | 2 1/2'                                                                                                                                  |
| 07/18/2024 | 8  | SBF | EITHER SIDE OF METER                                                                                                                    |
| 07/18/2024 | 9  | SBF | 25' MIN. (DISTANCE VARIES)                                                                                                              |
| 07/18/2024 | 10 | SBF | 30' UTILITY EASEMENT                                                                                                                    |
| 07/18/2024 | 11 | SBF | PROPERTY LINE (STREET SIDE)                                                                                                             |
| 07/18/2024 | 12 | SBF | TYPICAL EASEMENT ON INTERIOR PROPERTY LINE                                                                                              |



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY REX N. WOODS, P.E. 87089 OCTOBER 9, 2024

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

|            |            |                     |                            |
|------------|------------|---------------------|----------------------------|
| DATE       | 07/18/2024 | JOB NAME            | WINDING CREEK RANCH UNIT 8 |
| DRAWN BY   | SBF        | DEVELOPER REVISIONS |                            |
| CHECKED BY |            |                     |                            |
| DATE       |            | WORK ORDER #        | WO# 195554                 |
| SCALE      | 1"=100'    | DWG NO.             | MEI-17996                  |
| DRAWN BY   | SBF        | JOB CODE            | GVC-3-W.23-A               |
| SHEET NO.  | 2 OF 2     | REV.                | 0                          |