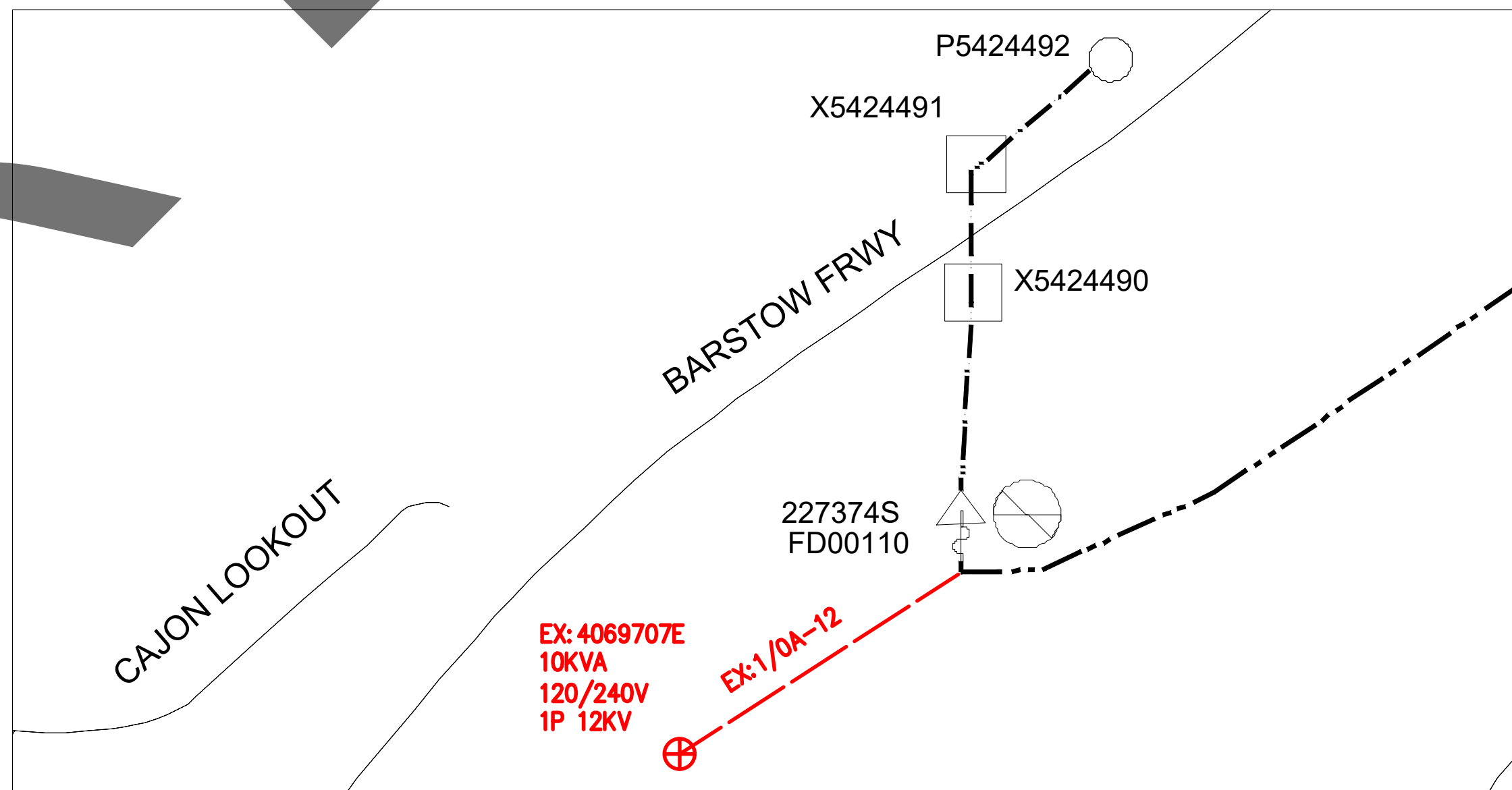
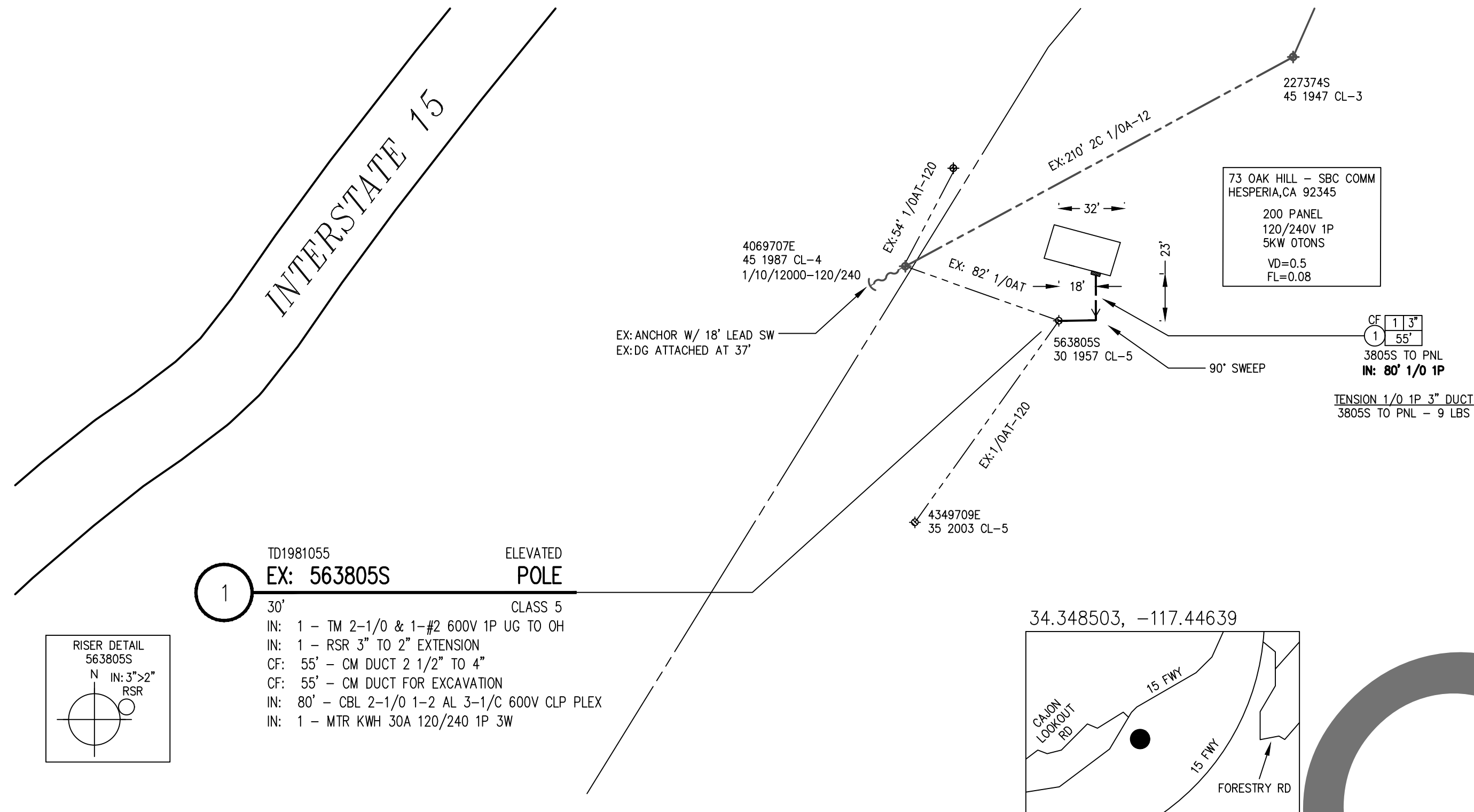


PROJECT MANAGER:  
ERNESTO GONZALES 909-329-0165

|                                 |           |           |          |             |
|---------------------------------|-----------|-----------|----------|-------------|
| T.L.M. DATA: 4069707E           |           |           |          |             |
|                                 | SIZE      | KVA       | CUST     | % LOAD      |
| EXIST.                          | <u>10</u> | <u>6</u>  | <u>2</u> | <u>60%</u>  |
| PROP.                           | <u>10</u> | <u>11</u> | <u>3</u> | <u>110%</u> |
| VOLTAGE DROP: <u>        </u>   |           |           |          |             |
| FLICKER FACTOR: <u>        </u> |           |           |          |             |
| PRI. CIRCUIT: FLOODGATE 12KV    |           |           |          |             |

D27: REV. 12/10/25

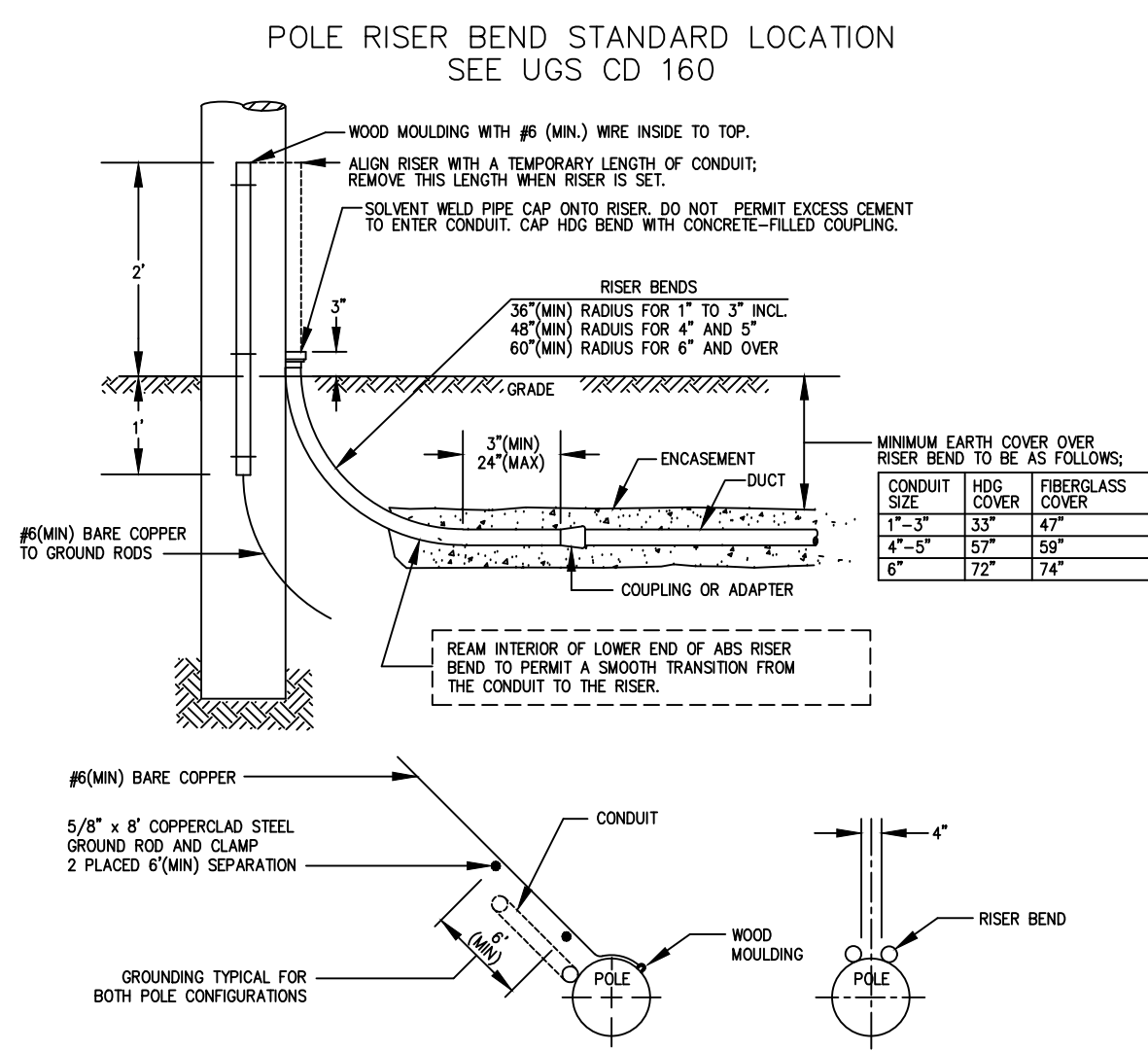
**HIGH FIRE RISK AREA**



PROJECT REQUIREMENTS (Y/N)

|                                                    |                                     |
|----------------------------------------------------|-------------------------------------|
| EDISON EASEMENT REQUIRED                           | <input checked="" type="checkbox"/> |
| PWRD 88 REQUIRED                                   | <input checked="" type="checkbox"/> |
| UG CIVIL ONLY WORK ORDER                           | <input checked="" type="checkbox"/> |
| PERMIT REQUIRED                                    | <input checked="" type="checkbox"/> |
| PERMIT TYPE: CALTRANS                              |                                     |
| OUTAGE REQUIRED                                    | <input checked="" type="checkbox"/> |
| OUTAGE DATE: _____ TIME: _____                     |                                     |
| TRAFFIC CONTROL REQUIRED                           | <input checked="" type="checkbox"/> |
| PED. TRAFFIC CONTROL REQ'D                         | <input checked="" type="checkbox"/> |
| CONVEYANCE LETTER REQ'D                            | <input checked="" type="checkbox"/> |
| ENVIRONMENTAL REQUIREMENTS DOCUMENT (ERD) REQUIRED | <input checked="" type="checkbox"/> |
| CSD 140 (TLM) REQ'D                                | <input checked="" type="checkbox"/> |
| DIG ALERT APP                                      | <input type="checkbox"/>            |
| VERIFIED ACTIVE AND CONFIRMED USA TICKETS          | <input type="checkbox"/>            |
| UTLTIQUEST NOTIFIED                                | <input type="checkbox"/>            |
| STANDARD ADHERENCE: <u>2</u> Q / <u>2022</u> Y     |                                     |

D124: Rev. 10/12/21

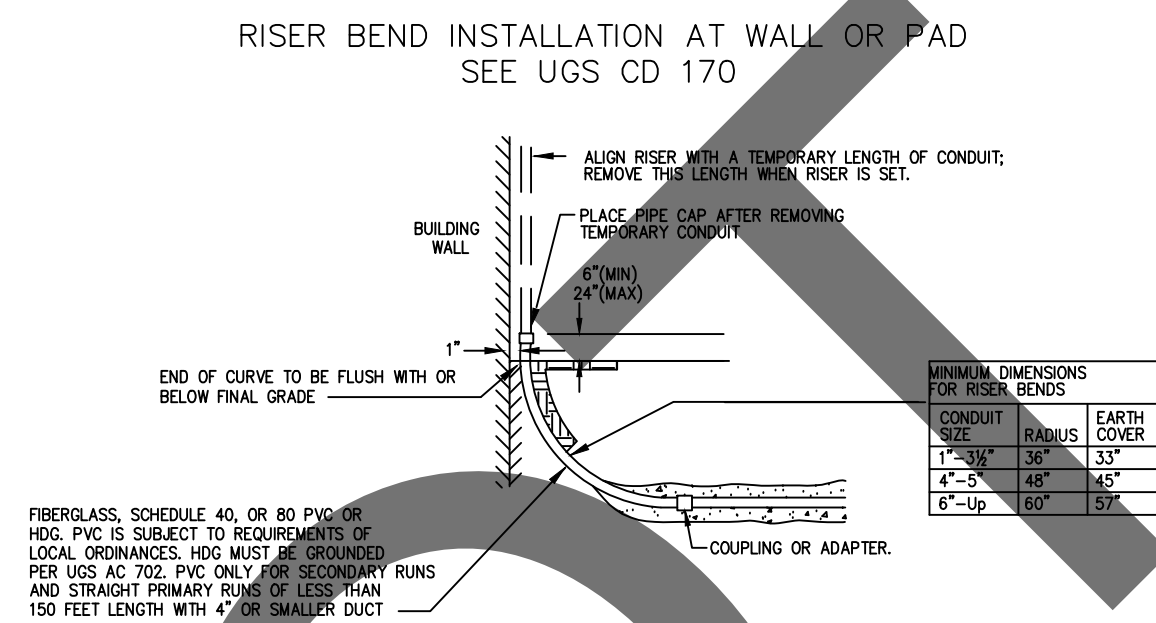


1. APPROVED RISER BENDS ARE SHOWN ON FOLLOWING TABLE;

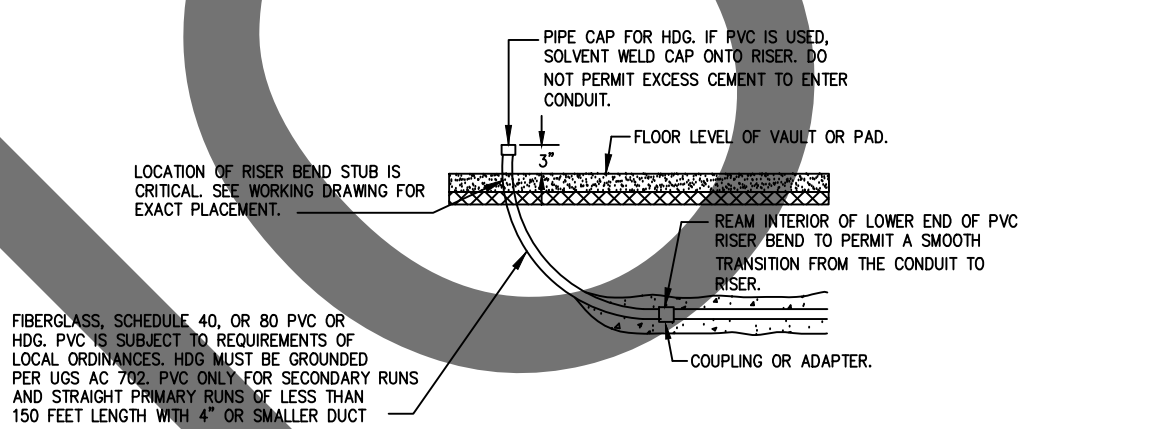
| MATERIAL   | SIZE |        |    |        |    |    |    |    |
|------------|------|--------|----|--------|----|----|----|----|
|            | 1"   | 1-1/2" | 2" | 2-1/2" | 3" | 4" | 5" | 6" |
| WBS        | -    | -      | -  | X      | X  | X  | X  | X  |
| FIBERGLASS | -    | -      | -  | -      | X  | X  | X  | X  |
| HDG        | X    | X      | X  | X      | X  | X  | X  | X  |

NOTE: 6" HDG OR FIBERGLASS RISER BEND SHALL BE USED WHEN SPECIFIED ON THE WORKING DRAWING. SEE UGS AC 702 FOR GROUNDING HDG RISER BENDS.

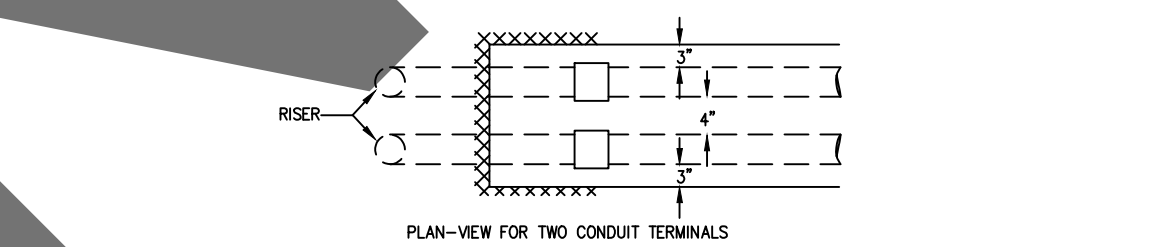
2. THE TOP AND BOTTOM OF 3", 4", 5" OR 6" FIBERGLASS BUNDLES ARE FURNISHED WITH PERMANENTLY ATTACHED PVC COUPLINGS. ALSO INCLUDED IS A 6" LONG 3", 4", 5" OR 6" SCHEDULE 40 PVC STUB-OUT, SOLWET MENDED INTO THE TOP COUPLING. SEE USGS CD 166 FOR FIBERGLASS RISER BEND MATERIAL INFORMATION AND SUPPLIERS.
3. THE TOP AND BOTTOM RODS ARE ATTACHED TO ALL PIVOT POINTS IN THE TRENCH BOTTOM WITH 4" MINIMUM SEPARATION IN UNDISTURBED AREAS. LEAVE THE ROD TOPS 3" ABOVE THE TRENCH BOTTOM AND ATTACH CONTINUOUS GROUND WIRE WITH CLAMPS. EXTEND WIRE TO INDICATED LOCATION ON POLE AND CONTRAST. SEE USGS CD 166 FOR FIBERGLASS RISER BEND MATERIAL INFORMATION AND SUPPLIERS.
4. PROVIDE ALL EXISTING MATERIALS FURNISHED BY CONTRACTOR. SEE USGS AC 703 FOR APPROVED GRADING MATERIALS.
5. ENCASUREMENT REQUIRED ONLY WHEN CALLED OUT ON WORKING DRAWING.
6. PVC RISERS MAY BE SUBSTITUTED FOR FIBERGLASS FOR STRAIGHT RUNS OF 150' OR LESS IN CONDUIT SIZES 4" AND UNDER.



## TYPICAL RISER AT BUILDING

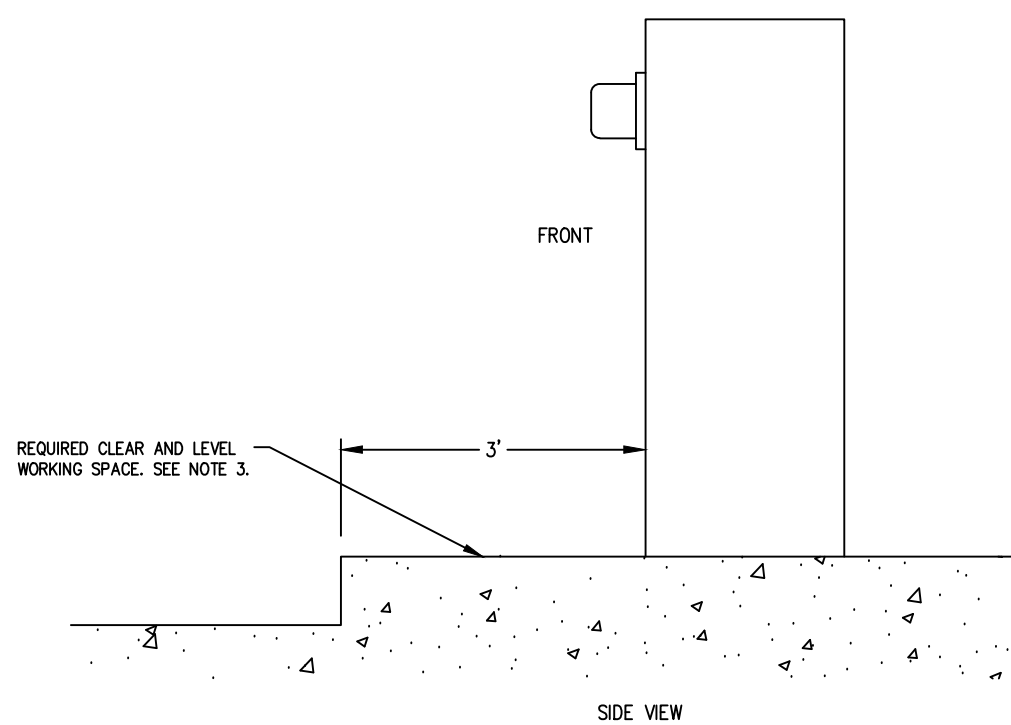


## TYPICAL RISER AT VAULT OR PAD



099: 10/26/20

PANEL CLEARANCE  
UNDERGROUND SERVICE CONNECTIONS 0-600 VOLTS  
SEE ESR 3-16



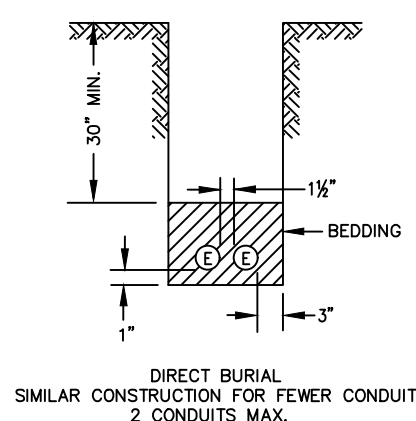
## NOTES

1. A MINIMUM OF THREE (3) FEET OF CLEAR, LEVEL WORK SPACE IS REQUIRED IN FRONT OF ALL TERMINATION, METERING, AND SERVICE EQUIPMENT.
2. SEE ESR-5 FOR METER-MOUNTING HEIGHT REQUIREMENTS. METER MOUNTING SHOULD BE MEASURED FROM THE STANDING AND WORKING SPACE TO THE CENTER OF THE WORK SPACE.
3. WHEN SERVICE EQUIPMENT IS INSTALLED ON AN ELEVATED PORTION OF THE FLOOR/GROUND, OR HOUSEKEEPING PAD, THE PAD SHALL BE FLUSH WITH AND EXTEND A MINIMUM OF THREE (3) FEET. THIS IS MEASURED FROM THE FRONT OF THE SERVICE EQUIPMENT OR THE OUTER PERIMETER OF THE EQUIPMENT OR ENCLOSURE WHEN INSTALLED. IN NO CASE SHALL THE MAXIMUM METER HEIGHT OF SIX (6) FEET PLUS THREE (3) INCHES BE EXCEEDED.
4. TO MAINTAIN A SAFE, CLEAR, AND LEVEL WORKING AREA IN FRONT OF NEW OR EXISTING METER AND SERVICE EQUIPMENT, A CONCRETE SLAB OR OTHER SUITABLE, PERMANENT HARD SURFACE, ACCEPTABLE TO THE COMPANY, MUST BE USED.
5. FOR SWITCHBOARDS ABOVE DRY, FIVE-FOOT MINIMUM OF CLEAR AND LEVEL STANDING AND WORKING SPACE IS REQUIRED IN THE FRONT AND REAR AND USE OF ANY SECTION OF THESE PARTS SPECIFICATIONS OR PROVIDES ACCESS TO TERMINATION, TESTING EQUIPMENT, OR SERVICE CABLE TERMINATION SECTIONS.

#### 16.12 PROTECTIVE BARRIERS FOR SERVICE EQUIPMENT

BARRIER POSTS ARE USED TO PROTECT THE METER AND SERVICE EQUIPMENT, AS WELL AS PERSONNEL, FROM VEHICULAR CONTACT, AND TO PROHIBIT ENCROACHMENT INTO THE WORKING SPACE. (FOR EXAMPLE: LOADING ZONES, DRIVEWAYS, CONGESTED AREAS, OFF STREET PARKING, AND SO ON). THE CUSTOMER SHALL PROVIDE AND INSTALL "NON-REMOVABLE" BARRIERS TO PROVIDE THE PROPER SAFE WORKING CLEARANCES WHERE THE WORKSPACE IS EXPOSED TO VEHICULAR OR OTHER HAZARDOUS CONDITIONS. METERS WILL NOT BE SET UNTIL THE BARRIERS HAVE BEEN INSTALLED.

TYPICAL CONDUIT BANK SECTION  
SEE UGS CD 120



081: Rev. 09/23/02

### CONDUIT RADIUS REQUIREMENTS

- A: The minimum radius for bends are:  
36" for conduits 3" in diameter or smaller  
48" for conduits 4" and 5" in diameter  
60" for 6" diameter conduit
- B: The minimum radius for sweeps are:  
36" for conduits 3" in diameter or smaller  
12'-6" for conduits 4" in diameter and larger,  
unless otherwise noted.

**WARNING**

THE EXCAVATOR MUST TAKE ALL STEPS NECESSARY TO AVOID CONTACT WITH UNDERGROUND FACILITIES WHICH MAY RESULT IN INJURY TO PERSONS OR DAMAGE TO FACILITIES IN THE AREA. THE INDICATED LOCATIONS OF EDISON UNDERGROUND FACILITIES AS PROVIDED, ARE BELIEVED TO BE ACCURATE. HOWEVER, THE FINAL DETERMINATION OF EXACT LOCATIONS AND THE COST OF REPAIR TO DAMAGED FACILITIES IS THE RESPONSIBILITY OF THE EXCAVATOR.

## CONNECTING TO EXISTING SCE STRUCTURES

- Per SCE requirements, customers are not allowed to enter, intercept or tie-in to existing SCE facilities, e.g. structures, equipment, multi-conduit systems, etc. Any work that is performed on SCE owned and energized and the work will only be performed by SCE. Contact the appropriate SCE representative to obtain an order to allow a customer to connect to an existing conduit without a SCE Inspector present.
- Multi-conduit runs/banks are runs of conduit in close proximity to each other and other SCE facilities. A conduit stub is a single empty conduit that is not in close proximity to other SCE owned facilities. Refer to the work order map for details.
- Per CPUC/SCE's Rule 15.8.1.A and Rule 15.8.1.A.1, the customer will provide all necessary excavations (with the exception of excavation under existing structures) and splice and terminate the intercept/tie-in work (structures) and encasement, to be utilized in the intercept/tie-in work in the process.
- The customer must adhere to all applicable CA-OSHA, local, city, state or federal regulations (including, but not limited to, all necessary shoring and traffic control in place to perform the intercept/tie-in work by SCE's underground civil contractor(s)).
- Intercept/tie-in work must be coordinated with SCE's civil contractors and SCE's underground inspection and maintenance unit (limit exposure of excavations). Customer is responsible for securing excavations(s).

DOB: 11/13/18

## SCE UG Inspection

Contact SCE 2 Weeks in advance for a Pre-Construction/Mandrel/Trench/Final Inspection.

Call 760-951-3288 or  
Email: [Victorvillesuginspector@sce.com](mailto:Victorvillesuginspector@sce.com)  
Please include the following information on  
the email:  
Product Number, Project Address, Type of  
Inspection, Name & Phone Number.

## UNDERGROUND SERVICE ALERT

**Contact USA**  
Dial 811 or 800-422-4133  
[www.digalert.org/contact](http://www.digalert.org/contact)

For Underground Locating  
Two Working Days Before You Dig

D16: Rev. 05/28/20

|                                                |  |                       |  |                                                                               |  |                         |  |
|------------------------------------------------|--|-----------------------|--|-------------------------------------------------------------------------------|--|-------------------------|--|
| DISTRICT<br>73 - VICTORVILLE                   |  | PHON. MGR. DEAN, RYAN |  | PLANNER DEAN, RYAN<br>PHONE 760-834-1375                                      |  | DESIGNER GARCIA, JESIKA |  |
| PROJECT NO. SERVICE REQUEST<br>2179597 3074030 |  | MSR NO.<br>200219871  |  | PRODUCT-<br>1981055-NEW METER & SERVICE                                       |  | ASSOC DESIGN            |  |
| CIRCUIT / VOLTAGE<br>FLOODGATE 12KV            |  | GPS                   |  | PRODUCT-2                                                                     |  | ASSOC DESIGN            |  |
| SUB / PG NO.<br>AQUEDUCT                       |  | CIRCUIT CODE          |  | PRODUCT-3                                                                     |  | ASSOC DESIGN            |  |
| INVENTORY MAP 308-2166-2                       |  | J.P.A. NO.            |  | PROPOSED CONSTRUCTION (LOCATION)<br>73 OAK HILL-SBC COMM<br>HESPERIA CA 92344 |  |                         |  |
| TYPE                                           |  | DATE                  |  | APPROVED BY                                                                   |  | DESIGN/DRWG NO.         |  |
| CHECKED BY                                     |  | DRAWN BY              |  | PAX #                                                                         |  | 1 OF 1 1505351_0.01     |  |
| Southern California Edison Company             |  |                       |  |                                                                               |  |                         |  |