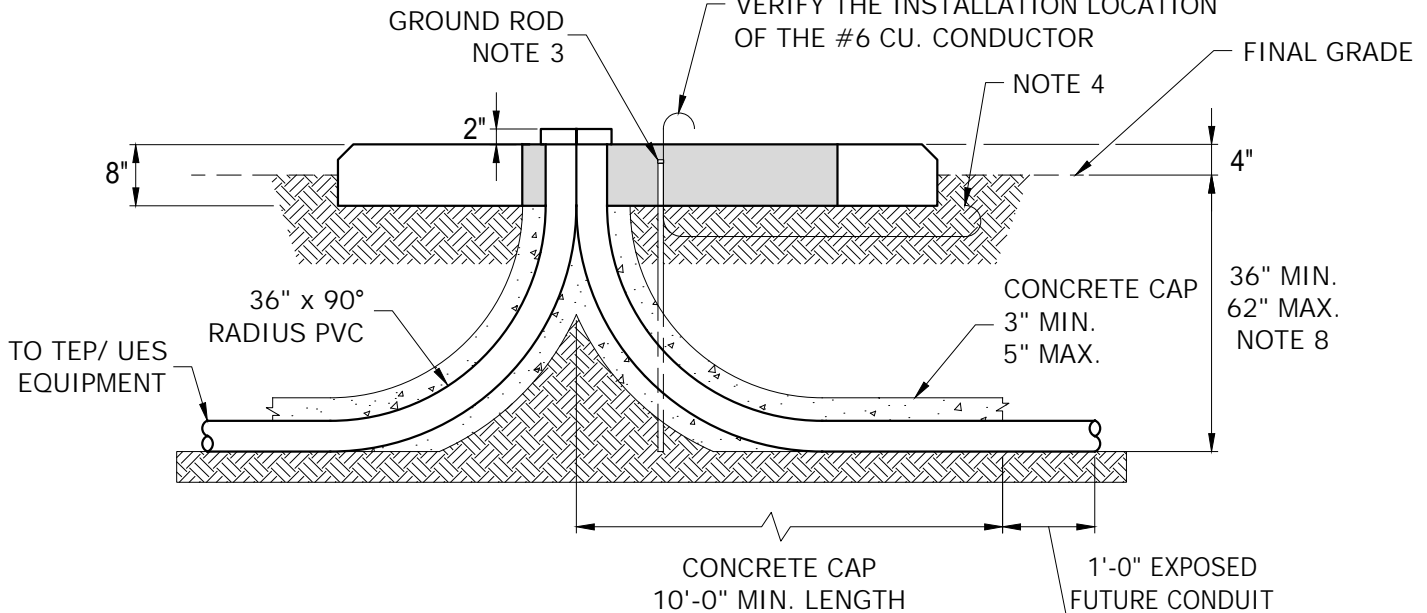




EXCAVATION AND DUCT PLACEMENT FOR PAD-MOUNTED CAPACITOR



DESIGN SERVICES MAY REQUEST TO
VERIFY THE INSTALLATION LOCATION
OF THE #6 CU. CONDUCTOR



NOTES:

1. CUSTOMER TO EXCAVATE PER SR-215 FOR THE INSTALLATION OF A 4 INCH CONDUIT SYSTEM.
2. CUSTOMER TO PROVIDE AND INSTALL THE 4 INCH CONDUIT SYSTEM AND CONDUIT SWEEP WITH STUB FOR FUTURE USE AS DEPICTED ON THE COMPANY CONSTRUCTION DRAWING. CONDUIT STUBS ARE TO BE EXTENDED ONE FOOT BEYOND THEIR CONCRETE ENCASEMENT FOR FUTURE ATTACHMENT. SEE SR-205 FOR THE APPROVED CONDUIT AND CONCRETE INSTALLATION. SEE SR-218 FOR THE STUB INSTALLATION.
3. CUSTOMER TO PROVIDE AND INSTALL A 5/8" X 8' COPPER COATED GROUND ROD 2 INCHES BELOW THE TOP OF THE PAD WITH 1/2 INCH MORTAR SLURRY IN THE PAD OPENING. DRIVEN GROUND ROD TO BE WITHIN 6 INCH OF FINAL GRADE (NESC 094B2).
- NOTE: GROUND RODS ARE NOT PERMITTED TO BE CUT UNDER ANY CIRCUMSTANCE. IF SOIL CONDITIONS PROHIBIT DRIVING THE GROUND ROD, CONTACT DESIGN SERVICES FOR REVIEW.
4. CUSTOMER TO PROVIDE AND INSTALL A #6 CU. CONDUCTOR FOR TELCO BONDING FROM THE CENTER FRONT PRIMARY DUCT OPENING TO A POINT 12 INCHES IN FRONT OF PAD, IN LINE WITH RIGHT EDGE AND 12 INCHES BELOW FINAL GRADE. LEAVE A MINIMUM OF 2 FEET OF #6 CONDUCTOR ABOVE TOP OF PAD.
5. CUSTOMER TO BACKFILL PER SR-207.
6. CUSTOMER TO PROVIDE AND INSTALL A FIGURE 1 PAD AND REFERENCE CAPACITOR DETAIL FOR CONDUIT PLACEMENT PER SR-233.
7. CUSTOMER TO PROVIDE AND INSTALL EQUIPMENT PROTECTIVE BARRIERS PER SR-230, IF REQUIRED DUE TO EQUIPMENT LOCATION.
8. IF CAPACITOR IS INSTALLED IN CLOSE PROXIMITY TO A PME OR PMH SWITCHGEAR, THE TRENCH DEPTH WILL BE 62 INCHES, SEE SR-240.
9. FOR CONDUIT INSTALLATION INTO EXISTING UNDERGROUND EQUIPMENT, CONTACT ACCESS AT 520-918-8300 (TEP) OR 520-761-7951 (UES). DO NOT TRENCH UNDER SERVICE PROVIDER'S EQUIPMENT WITHOUT THE PRESENCE OF AN ACCESS CREW.
10. SERVICE PROVIDER WILL INSTALL THE PRIMARY CABLE AND PAD MOUNTED CAPACITOR.