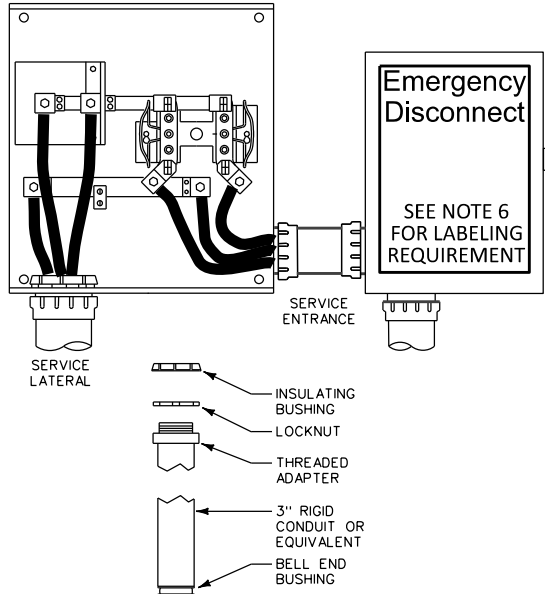
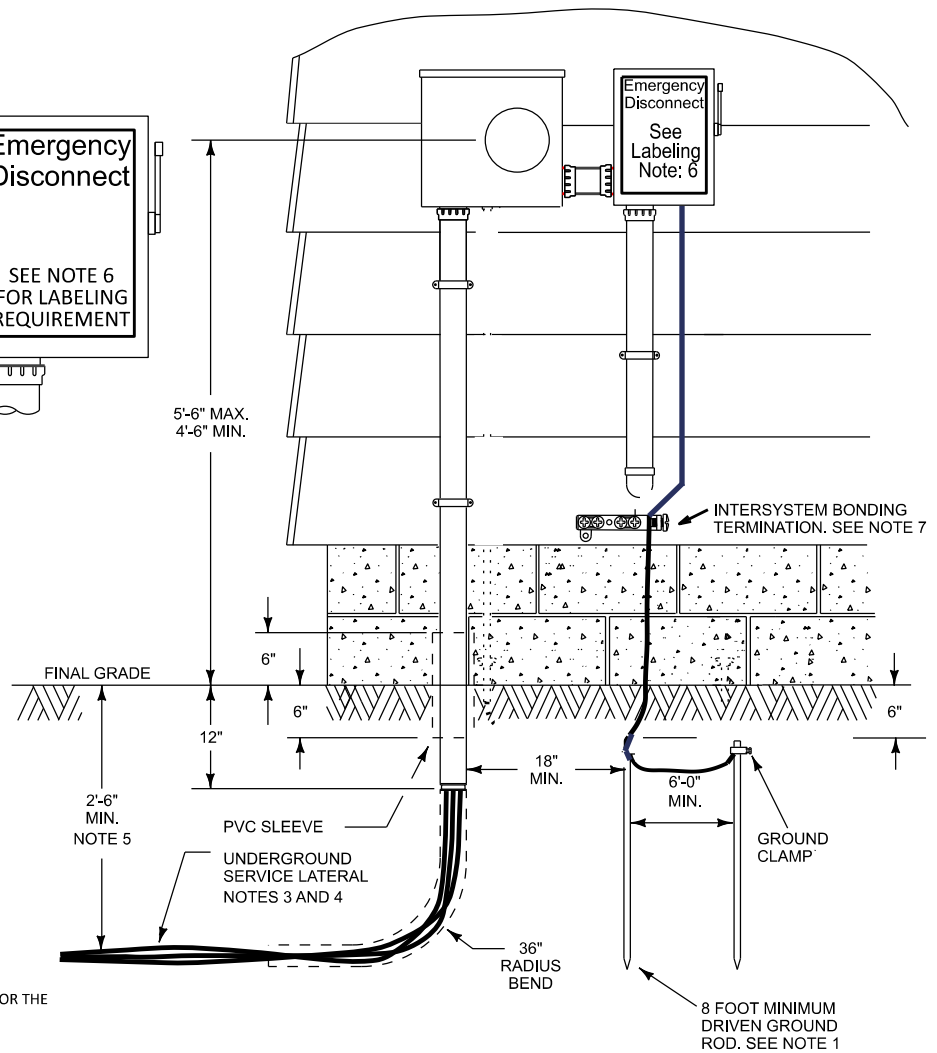


DETAIL "A"
METER BASE & Emergency Disconnect



DETAIL "B"
RISER ASSEMBLY



GENERAL CONDITION NOTES:

THE COMPANY WILL BE RESPONSIBLE FOR:

- (a) DESIGNATING THE LOCATION FOR THE TRENCH AND THE METER. CALL APCO TO HAVE LOCATION APPROVED PRIOR TO INSTALLATION.
- (b) PROVIDING AND INSTALLING THE UNDERGROUND SERVICE LATERAL.
- (c) PROVIDING THE METER BASE TO THE CUSTOMER WHERE REQUIRED.
- (d) INSTALLING AND REMOVING THE METER.
- (e) MAKING THE CONNECTIONS IN THE METER BASE FOR THE UNDERGROUND SERVICE LATERAL (DETAIL A).

THE CUSTOMER WILL BE RESPONSIBLE FOR:

- (a) SECURELY MOUNT THE METER BASE IN A PLUMB POSITION.
- (b) PROVIDING AND INSTALLING THE RISER ASSEMBLY. RISER ASSEMBLY TO CONSIST OF AN INSULATING BUSHING, LOCKNUT, THREADED ADAPTER, GALVANIZED OR SCHEDULE 40 PVC CONDUIT WITH BELL END AND CLAMP.
- (c) PROVIDING, INSTALLING AND MAKING METER CONNECTIONS FOR THE SERVICE ENTRANCE CABLE.
- (d) PROVIDING AND INSTALLING THE GROUND ROD, GROUND CLAMP AND GROUND WIRE.
- (e) PROVIDE AND INSTALL A MINIMUM OF 3" SCHEDULE 40 PVC CONDUIT FOR APCO'S SERVICE LATERAL 30" BELOW FINAL GRADE AND BACKFILLED WITH SUTABLE MATERIAL. ALL 90 DEGREE BENDS MUST BE LONG RADIUS (MIN 36" RADIUS). CUSTOMER TO INSTALL A MIN. 1/4" NYLON PULL ROPE IN THE CONDUIT. THE INSTALLATION OF CABLE MARKING TAPE IN THE TRENCH IS RECOMMENDED.
- (f) PROVIDE FOR APCO TO INSTALL A 90 DEGREE, SCHEDULE 40 SWEEP ELBOW AT PADMOUNT OR TERMINAL POLE LOCATION AND WEATHERHEAD FOR FOR POLE MOUNTED SERVICE RISER.
- (g) IF THE INSTALLATION IS IN APCO'S WV INSPECTION PROGRAM, INSPECTION OF TRENCH AND CONDUIT BY AN APPROVED INSPECTOR IS REQUIRED.

GENERAL CONSTRUCTION NOTES:

1. CUSTOMER GROUNDING SHALL BE IN ACCORDANCE WITH NEC. THE GROUND WIRE MUST NOT BE CONNECTED OR PASS THROUGH THE METER SOCKET. CUSTOMER SHALL HAVE A MINIMUM OF 2 - 5/8" X 8' COPPER CLAD GROUND RODS AT LEAST 6' APART. MINIMUM #4 CU GROUND WIRE MUST BE CONTINUOUS THROUGH AND TO THE SECOND GROUND ROD. FOR EXISTING INSTALLATIONS, THE SECOND GROUND ROD CAN BE ADDED WITHOUT CHANGING THE EXISTING GROUNDING CONDUCTOR IF THE CONDUCTOR IS PROPERLY SIZED AND BONDED TO FIRST ROD. ALL CLAMPS MUST BE UL LISTED
2. METER BASE SHALL BE INSTALLED OUTSIDE THE BUILDING WALL NEAREST TO APCO SERVICE FACILITIES OR AT A LOCATION DETERMINED BY AN APCO REPRESENTATIVE. LOCATION SHALL BE OUT OF THE WAY OF PEDESTRIAN AND VEHICULAR TRAFFIC AND EASILY ACCESSABLE TO APCO PERSONNEL. INHIBITOR COMPOUND SHALL BE USED ON ALL ALUMINUM WIRE TERMINATIONS. CUSTOMER'S SERVICE ENTRANCE CONDUCTORS SHALL NOT EXIT THE LEFT SIDE OF THE METER BASE.
3. THE TRENCH IS TO EXTEND NO CLOSER TO APCO PEDESTAL OR TRANSFORMER THAN 5 FEET.
4. ADDITIONAL PVC CONDUIT MAY BE REQUIRED TO EXTEND THE CONDUIT TO PADMOUNT TRANSFORMER OR TERMINAL POLE LOCATION.

GENERAL CONSTRUCTION NOTES CONTINUED:

5. BURIAL DEPTH IS THE DISTANCE BETWEEN FINAL GRADE AND THE TOP OF THE BURIED CABLE OR CONDUIT. APPALACHIAN POWER REQUIRES A BURIAL DEPTH OF 30 INCHES AND/OR CONFORM TO ANY OR ALL AUTHORITY HAVING JURISDICTION. BURIAL DEPTH SHALL NOT BE LESS THAN 30" UNLESS IMPOSSIBLE TO BE ACHIEVED OR IS SUPERSEDED BY LOCAL AUTHORITY HAVING JURISDICTION. IF THE DEPTH IS IMPOSSIBLE TO ACHIEVE, APCO VERIFICATION WILL BE NEEDED BUT SHALL NOT BE LESS THAN WHAT IS STATED IN THE NATIONAL ELECTRICAL CODE ARTICLES AND TABLES: ARTICLE 300: 300.3(B) (1), 300.3 (C) (1) (2), TABLE 300.5, AND TABLE 300.50
6. PER 2020 NEC, FOR ONE AND TWO FAMILY DWELLING UNITS, ALL SERVICE CONDUCTORS SHALL TERMINATE IN DISCONNECTING MEANS INSTALLED IN A READILY ACCESSIBLE OUTDOOR LOCATION. FOUR WIRE TRIPLE RATED ENTRANCE CONDUCTORS SHALL BE INSTALLED BETWEEN THE DISCONNECT AND THE MAIN PANEL. SERVICE DISCONNECTS SHALL BE MARKED AS FOLLOWS: "EMERGENCY DISCONNECT - SERVICE DISCONNECT"
7. ON NEW AND ALTERED INSTALLATIONS, AN INTERSYSTEM BONDING TERMINATION SHALL BE PROVIDED EXTERNALLY TO ENCLOSURES AT THE SERVICE EQUIPMENT. THE GROUNDING CONDUCTOR MUST BE CONTINUOUS THROUGH THE INTERSYSTEM BONDING TERMINATION. A METER BOX GROUND CLAMP IS NOT PERMITTED

CONTACT MISS UTILITY @811 BEFORE DIGGING



**SINGLE PHASE UNDERGROUND SERVICE
METER INSTALLATION**

DECEMBER 2024