

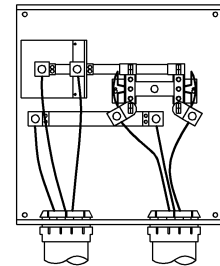
# Installation Requirements For Underground Temporary Service

## NOTES:

1. Call Appalachian Power to have meter location approved.
2. Before digging, please call Miss Utility at 1-800-245-4848 to have the location of all utilities marked.
3. Minimum pole size shall be 4 inch x 4 inch x 10 foot timber, commercially treated with chemicals. Pole shall be set at a depth of no less than 3 feet. A commercially treated 2 inch x 12 inch or larger solid wood board (no plywood) shall be required to mount the equipment to the pole.
4. Install meter base such that center of the meter base is not less than 4 feet and no more than 6 feet above finish grade. Lag screws (not nails) shall be used to secure meter base. Line riser assembly to consist of an insulating bushing, locknut, threaded adapter, galvanized or 2 inch (min) schedule 40 PVC electrical grade conduit.
5. Inhibitor compound shall be used on all aluminum wire terminations.
6. Pole shall be installed no closer than 3 feet and no further than 5 feet from APCO pad mount transformer or pedestal. Contact APCO representative for pole location. Pole shall not be located in-line with proposed permanent service.
7. Customer shall supply service conductor for connection to APCO facilities. At a minimum, conductor shall be #4 aluminum with customer supplied 1 - hole lugs for connections to pad mount transformer or pedestal. APCO to connect customer supplied conductor to APCO facilities. Wire shall be of sufficient length to make connection.
8. Ground wire conductor shall not pass through or be connected within the meter base. Ground rods and ground connections shall be 6 inches below final grade. A total of two (2) 5/8 inch X 8 foot copper clad ground rods an UL approved clamps shall be utilized. On new installations, the ground conductor shall be continuous from the service panel or disconnect through and to the second ground rod. For existing services, the second ground rod can be added without replacing the original ground conductor as long as it is properly connected and bonded to the first ground rod. There shall be a minimum distance of 6 feet between ground rods and #4 copper is the minimum wire size.
9. Customer's disconnect shall be weatherproof. All branch circuits must be GFCI protected.
10. Inspection is required each time pole is moved to a new location

## LINE-SIDE RISER ASSEMBLY

NOTE 4



SERVICE WIRE SERVICE ENTRANCE

INSULATING BUSHING

LOCKNUT

THREADED ADAPTER

2" MIN. RIGID CONDUIT

BELL END BUSHING

