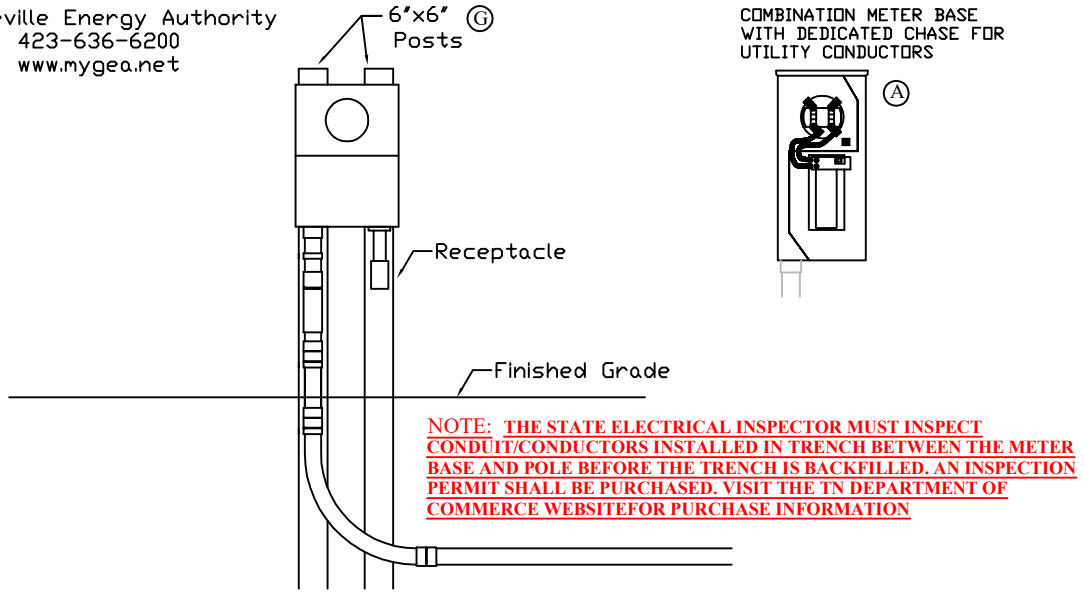
POST MOUNTED GENERAL USE SERVICE INSTALLATION GUIDE

Post-Type, 100 - 200 Amp Capacity, 120/240 Volt, Single Phase

Greeneville Energy Authority
423-636-6200
www.mygea.net

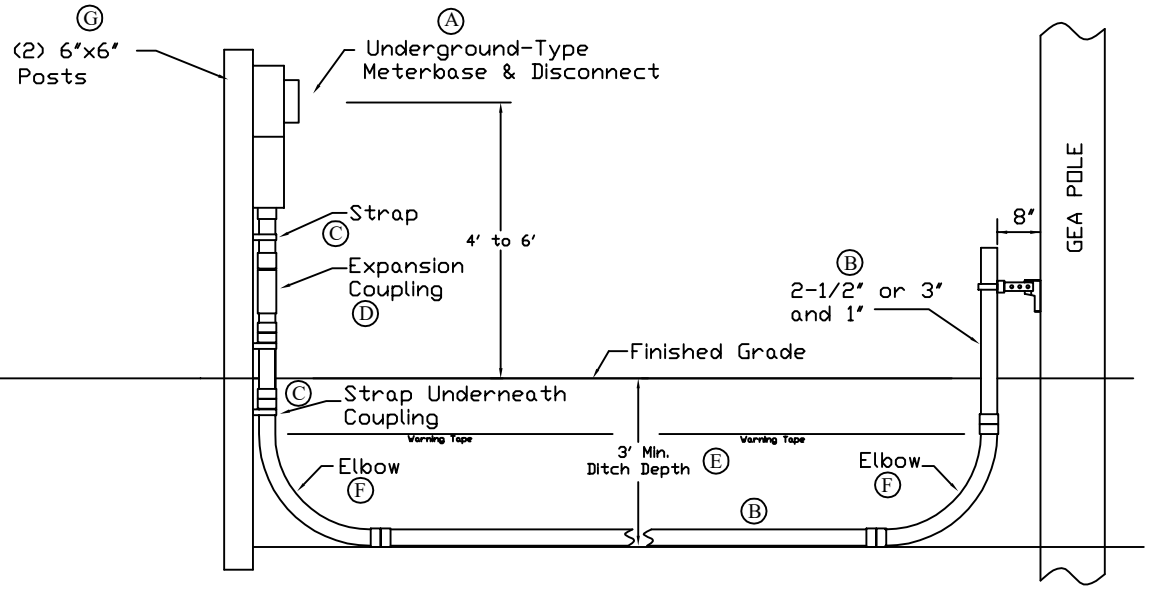


COMBINATION METER BASE WITH DEDICATED CHASE FOR UTILITY CONDUCTORS

NOTE: **THE STATE ELECTRICAL INSPECTOR MUST INSPECT CONDUIT/CONDUCTORS INSTALLED IN TRENCH BETWEEN THE METER BASE AND POLE BEFORE THE TRENCH IS BACKFILLED. AN INSPECTION PERMIT SHALL BE PURCHASED. VISIT THE TN DEPARTMENT OF COMMERCE WEBSITEFOR PURCHASE INFORMATION**

BEFORE GEA INSTALLS ANY FACILITIES ON PRIVATE PROPERTY, AN EASEMENT WILL NEED TO BE OBTAINED

FRONTAL VIEW



PROFILE VIEW

A. UG METER BASE: Customers shall contact GEA Engineering Department at 423-636-6241 to have the meter base location determined. GEA may require relocation of the meter base when the customer has not complied with this requirement. Meter base must be mounted a minimum of 4 feet and a maximum of 6 feet above finished grade. Meter base must be grounded per National Electric Code requirements.

NOTE: ONLY SIDE WIRED/OFFSET METER BASES OR METER BASE COMBINATIONS WITH A DEDICATED CHASE FOR UTILITY SIDE CONDUCTORS WILL BE ACCEPTED FOR GEA TO FURNISH AND INSTALL THE UNDERGROUND SERVICE CONDUCTORS TO THE METER BASE.

B. CONDUIT: All underground services shall be installed in conduit regardless of soil conditions. ***NO LB'S, LL'S OR LR'S ARE PERMITTED ON THE LINE SIDE OF METER BASE***.

*Customer to furnish and install all conduit from meter base to GEA pole per drawing. *Maximum underground service length from GEA pole is 215 feet*. All joints to be glued.

*2-1/2 inch or 3 inch UL listed Schedule 40 PVC conduit is required for the electrical service. No reducers or mixing of conduit sizes are permitted.

***GEA WILL NOT ACCEPT HEATED CONDUIT REGARDLESS OF THE METHOD USED. UNDER NO CIRCUMSTANCES WILL GEA ACCEPT CONDUIT OFFSETS TO AVOID NOTCHING/MODIFYING OF FOOTER.**

*All Conduits to be installed above grade and must not exceed 2 inches away from structure wall. Conduit at GEA pole to be installed in contact with GEA stand-off bracket. If GEA stand-off bracket is not present during installation, install conduit 8 inches away from surface of pole. Seal the end of all conduits that do not enter an enclosure.

C. COUPLING SUPPORT STRAP/STRAPS: Install strap directly below coupling ensuring contact with coupling. This prevents conduit from settling during backfill. If there is nothing below grade to anchor the coupling support strap, cut the conduit one foot above grade and install coupling support strap. Straps are required every 24 inches for exposed conduit above grade.

D. EXPANSION COUPLING: An expansion coupling is required for all underground services.

E. DITCH 3 FEET DEEP MINIMUM: Customer shall open and close the service ditch. The depth of ditch shall be a minimum of 3 feet. Ditch must be backfilled before GEA can energize the service. Warning Tape shall be installed 12 inches below finished grade. If rock is encountered and minimum depth cannot be achieved, conduit can be encased with 3 inches of concrete. Water lines cannot be installed in the ditch with electrical lines. A 5 foot separation is required. Water lines can cross electric lines as long as a minimum of 12 inches of separation is maintained. Communication lines can be installed in the same ditch as electric as long as a minimum of 12 inches of separation is maintained. Refer to GEA "JOINT TRENCH REQUIREMENTS" located at www.mygea.net or obtain a copy from GEA Engineering Department.

F. ELBOW: The customer shall use at least 24 inch radius, 90-degree elbows at the GEA pole and at the meter base on post. 36 inch radius 90-degree elbows must be used for horizontal turns in ditch. A maximum of 3 elbows (one at pole, one at structure and one in ditch) can be used. For the communication conduit, use 5.75 inch radius (standard) elbows.

G. **POST:** Weather treated 6"x6" square or 6" round posts shall be used.

Important: Call Tennessee One-Call at 1-800-351-1111 to have possible existing underground utilities located before you dig.

**THE REQUIREMENTS OF THIS SPECIFICATION ARE EFFECTIVE July 1, 2026 AND SUPERSEDE ALL PREVIOUS PUBLICATIONS