

- 1. METER BASE:** Meter base must be mounted between 4 feet and 6 feet above finished grade. Meter base must be grounded per National Electric Code requirements.
- B. CONDUIT:** All underground services maintained by GEA 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 conduit from GEA pole to GEA pedestal (see drawing). If customer wants GEA to install, all costs are to be paid before any work begins. All joints to be glued.
 - 2-1/2 inch or 3 inch UL listed Schedule 40 PVC conduit is required for the electrical service. ***Customer must also furnish and install a 1 inch UL listed Schedule 40 PVC conduit for future communications-meter reading. The 1 inch conduit is to be installed in close proximity and preferably in contact with the electrical service conduit. NOTE: THE 1 INCH CONDUIT CANNOT BE USED BY ANY OTHER ENTITY DUE TO ITS INSTALLED LOCATION. THE CONDUIT WILL NOT MEET NESC RULE 320B2c FOR MINIMUM SEPARATION REQUIREMENTS.***
 - GEA WILL NOT ACCEPT HEATED CONDUIT REGARDLESS OF THE METHOD USED.**
 - 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. EXPANSION COUPLING:** Per NEC requirements.
- D. TRENCH 3 FEET DEEP MINIMUM:** Customer to open and close service trench from GEA pole to GEA pedestal unless customer wants GEA to install, all costs are to be paid before any work begins. Depth of trench to be a minimum of 3 feet. If rock is encountered and minimum depth cannot be achieved, conduit can be encased with 3 inches of concrete. 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 trench as electric as long as a minimum of 12 inches of separation is maintained. Refer to GEA "TRENCH REQUIREMENTS" located at www.mygea.net or obtain a copy from GEA Engineering Department. Trench must be backfilled before GEA can energize service.
- E. WARNING TAPE AND TRENCH INSPECTION:** Warning Tape must be installed and secured to all vertical elbows between GEA pole and secondary pedestal. The warning tape can be in the trench or on the ground beside the trench at time of inspection. GEA will not install facilities unless warning tape is present. To schedule a trench inspection, contact GEA Engineering Department at 423-636-6241.
- F. ELBOW:** Must use at least 24 inch radius, 90-degree elbows at GEA pole and at pedestal. Install elbows back to back. For the communication conduit, use 5.75 inch radius (standard) elbows.
- G. CUSTOMER SERVICE ENTRANCE CONDUCTORS:** Customer must furnish and install service entrance conductors from meter base to GEA pedestal. Refer to the NEC for correct size and type.