



A Touchstone Energy Cooperative

REVISION DATE: 01/01/2020 SCALE: N/A

Primary Underground Installation Spec

- Underground primary is designed and approved by Clark Energy on a per site basis.
- The Consumer/Developer will provide/install the trench, conduit and pull string rated for minimum of 150lbs. Clark Energy will furnish the underground marking tape and ground sleeve that the consumer will install. See "Warehouse Receiving Hours" sheet for acceptable times.
- Consumer/Developer will provide a STRAIGHT trench with conduit from pole to ground sleeve. Only (2) elbows shall be used, (1) elbow at pole and (1) elbow at ground sleeve.
  - Primary - Trench shall provide enough depth for there to be a minimum 42" to the top of conduit from final grade. As well as install marking tape a minimum of 18" below final grade.
  - Secondary - Trench shall provide enough depth for there to be a minimum 24" to the top of conduit from final grade. A minimum 36" if under roadways, driveways or parking lots.
- All conduit in trench shall be glued and have a minimum 150lb rate nylon pull rope.
- Required Conduit Sizes and Installation.
  - Single-Phase services: 2 1/2 inch Schedule 40 PVC is required throughout the length of the trench. A 36 inch long radius Schedule 80 PVC elbow is required at the riser pole and all turn ups at ground sleeves.
- Install, BUT NOT GLUE, the first 10 foot section of Schedule 80 PVC conduit on Clark Energy's riser pole. Clark will furnish the stand-off brackets for the 10 foot riser. The brackets must be installed a minimum of 8 feet apart. See Illustration to the left.
  - Don't attach riser unless Clark has set final pole location.
- Ground sleeve installation should have smallest side, which is the 6" side (see illustration's for clarification) facing the easiest access point. Ideally this is a road. Field engineer will clarify on site meeting ground sleeve positioning.
  - Should have 6 inches of #8 gravel as a base for the ground sleeve.
  - Install where only the top 6" of the ground sleeve is exposed above final grade. This means 18" of the Ground Sleeve in the ground.
  - Install the conduit elbow turn ups inside the ground sleeve where it is 10" to 12" above final gravel grade and 12" to 14" below the opening at the top of the ground sleeve.
  - Install covers on exposed openings of conduit inside ground sleeves.
  - If there is going to be future development install extra conduit elbows at this time. Field engineer will clarify at site meeting.
- Temp Service - Consumer/Developer to install appropriate sized conduit below final grade of ground from temp service kit.
- Must Install elbows where they turn up in opening. Call 859-901-9228 if turning up into existing ground sleeve, Clark will schedule appointment and work with you. Refer to illustration at the top right.
- Must install all conduit, conduit connections, pull string and ground sleeves for underground inspection by Clark Energy prior to back filling the trench. Please Call 859-901-9228 for inspection. If a second ditch inspection is required due to lack of meeting spec requirements, a \$45 service charge will be applied to the account.

Note - For three phase and subdivisions consult with Clark Energy.

