

Installation Requirements

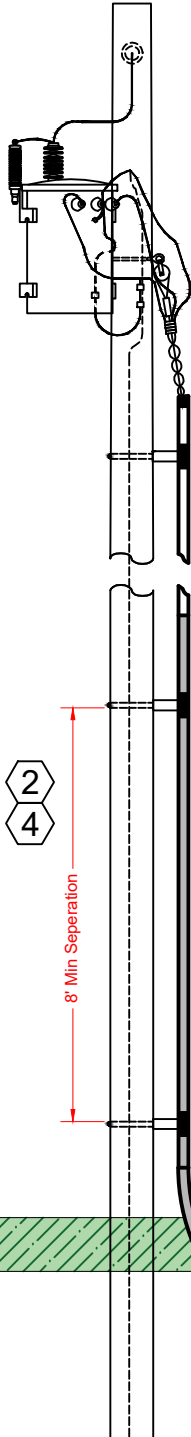


A Touchstone Energy Cooperative

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

Secondary Underground Pedestal

1. Consumer/Developer will provide **a STRAIGHT trench with conduit** from pole to secondary pedestal. **Only (2) elbows shall be used**, (1) elbow at pole and (1) elbow at the secondary pedestal.
 - a. Trench shall provide enough depth for there to be a **minimum 24"** to the top of conduit from final grade.
 - b. **36" minimum** shall be required if installation is under roadways, driveways or parking lots.
2. **All conduit in trench shall be glued** and have a **minimum 150lb rated nylon pull rope**.
3. Required Conduit Sizes and Installation.
 - a. Single-Phase services, **200 Amp or less**, 120/240 Volt. **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 meter base and riser pole.**
 - b. Single-Phase services, **300 to 400 Amp**, 120/240 Volt. **3 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 meter base and riser pole.**
4. Install, **BUT NOT GLUE**, the **first 10 foot section of Schedule 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.
 - a. **Don't Attach riser** unless Clark has set final pole location.
5. All Single phase 200 Amp or Less underground meter bases must meet the following criteria:
 - a. An **OFFSET METER BASE** with a minimum of **844 cubic inches (15" x 12.5" x 4.5")**
 - b. The **utility conduit must be offset** from the center of the meter socket.
 - c. As well as having a **disconnect cabinet on the secondary side** of the meter.
6. The meter base riser must be **Schedule 80 PVC**. **Riser must be securely attached with TWO attachment bolts and approved clamps**.
7. The grounding electrode conductor must be **unspliced #6 copper** or equivalent and securely attached to the wall. Conduit for the grounding electrode conductor may be **PVC or Metal**. Metal conduit must be properly bonded.
 - a. There shall be **(2) 8 foot ground rods installed 12" below surface**. The first shall be a **min. of 2 feet from foundation**, the second shall be a **min. 6 feet from the first, 8 feet min from foundation**.
8. Underground service is limited to **150 feet away** from pole or transformer.
9. **Meter base locations must be approved in advance** by Clark Energy. Center of Meter Bases should be installed between **5 to 6 feet** above final grade.
10. **Must install all conduit, conduit connections, pull string and meter base for underground inspection by Clark Energy prior to back filling the trench**. **Please Call 859-901-9228 for underground 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.**



REQUIRED OFFSET METER BASES
MILBANK U1980-O (200A)
MILBANK U1980-O-KK (200A W/ HORN BYPASS)
MILBANK U2569-O (200A)
EATON UTRS223ACH (200A)
SIEMENS UAS877-PG (200A)
SIEMENS SUAS917-XJCA (200A WITH METER SOCKET ON LEFT HAND SIDE)

