

## Specification for Underground Service to Residence

The following options are available to SREC Consumers:

1. SREC shall provide all necessary labor, material and trenching to provide underground electric service to residence. The charge will be SREC's cost for providing underground service minus the cost of overhead service.
2. SREC shall provide all necessary labor and material to provide underground electric service to residence. Consumer provides trench for underground service. The charge will be SREC's cost for providing underground service minus the cost of overhead service.
3. Consumer installs conduit from meter pan to service pole or transformer. SREC installs conductor and makes connections at meter and transformer. SREC will not charge any additional fees.

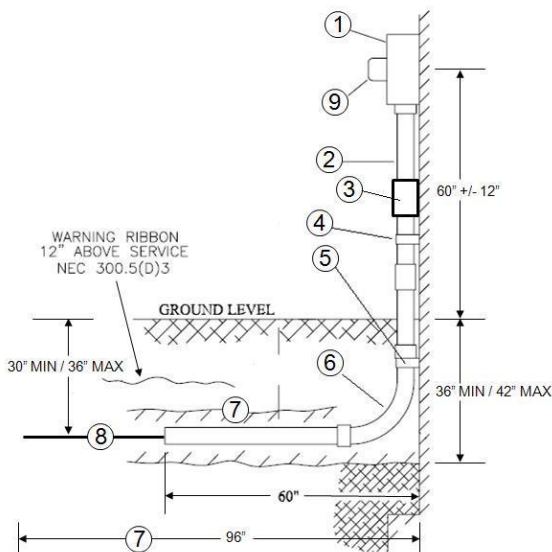
If Consumer chooses **Option 2 or 3** they must:

- Provide five (5) days notice prior to excavating trench.
- Coordinate with other utilities using the same trench (i.e. telephone and cable).
- Call 811 five (5) working days prior to excavating.

The following guidelines must be followed for **Option 3**:

1. SREC will designate the meter location, where pole/transformer service will originate and trench route prior to excavating.
2. Trench area must be within six inches (6") of final grade prior to trenching.
3. Trench and conduit inspection must be schedule two (2) days prior to completion and backfilling. Backfilling should be done immediately following trench inspection. Trench to be inspected by SREC employee.
4. The consumer shall provide three inch (3") schedule 40 PVC conduit for the entire length of the trench; from meter pan to pole/transformer. Consumer shall provide ten (10') feet of schedule 80 PVC conduit up the pole and a weatherhead for the top of this conduit, SREC will provide brackets for attaching conduit to the pole.
5. The service conduit shall be run in as direct a route as possible with no bends or sweeps. Only elbows, ninety degree (90°) bends, will be allowed at pole and meter location. The maximum service length shall be two hundred (200) feet. A pulling line from meter pan to pole or conduit stub must be installed.
6. SREC will provide the warning ribbon to be buried in the trench as required by applicable NEC specifications.

### Single Phase Underground Service 200 Amp or 400 Amp



#### By Consumer:

1. SREC approved meter socket and grounding as per National Electric Code (NEC).
2. Conduit – 3” inch schedule 40 PVC, bond all joints (and install reducer to meter socket if required). When consumer is trenching the service, the installation of conduit for the entire service is recommended.
3. Optional expansion joint.
4. Conduit Strap – NEC required.
5. Conduit Strap – Locate heavy gauge 2-hole galvanized strap just below bend coupling **anchor** securely into **masonry** using 3/8” minimum diameter fasteners.
6. 90-degree bend (minimum radius 36”).
7. Trench 6” of select bedding and minimum of 6” of select cover. The last 96” of trench to the building shall be 24” wide. The remainder of the trench shall be at least 6” wide. Bedding not required if customer installs conduit.

#### By SREC:

8. Service Cable
9. Meter

Excavation for foundation must be backfilled and tamped by customer prior to conduit installation to prevent further settling.