

VICTORIA ELECTRIC COOPERATIVE

For questions, please call VEC at (361)-573-2428 or Email Engineering@victoriaelectric.coop

MATERIAL FURNISHED BY MEMBER:

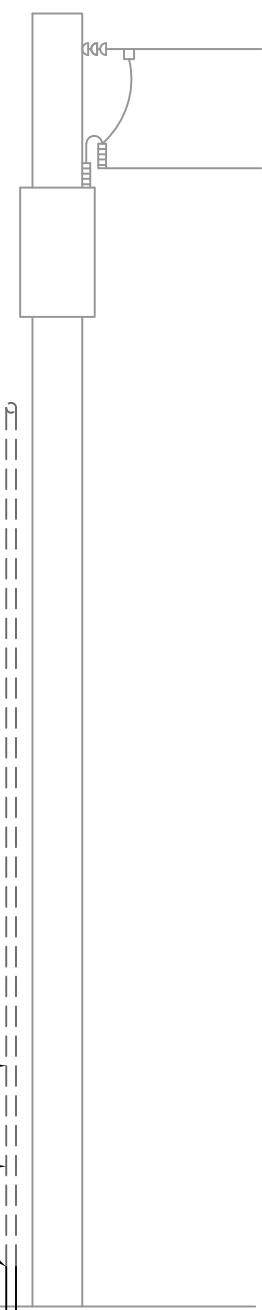
- 2-1/2" or larger, electrical schedule 40 PVC (measure the length of service from house to proposed pole) for underground installation & electrical 90 degree L's
- 2-1/2" or larger, electrical schedule 80 PVC (30') for above ground installation.
- 8' Copper ground Rod, ground rod clamp, 1/2" Electric Metallic Tubing (EMT) conduit (5') 1/2" straps(2), #6 copper wire (10').
- PVC Couplings to match size of PVC.
- Outside main disconnect.
- (THHN) 90° rated wire as needed for wiring from meter base to main disconnect (copper conductor ONLY).

MATERIAL TO BE PICKED UP BY MEMBER AT VEC:

- Meter Base for underground at cost of member
- Underground Warning Tape (The length of the service from house to pole)
- Underground Wire (Measure the length of service from house to proposed pole)

MEMBER RESPONSIBLE FOR:

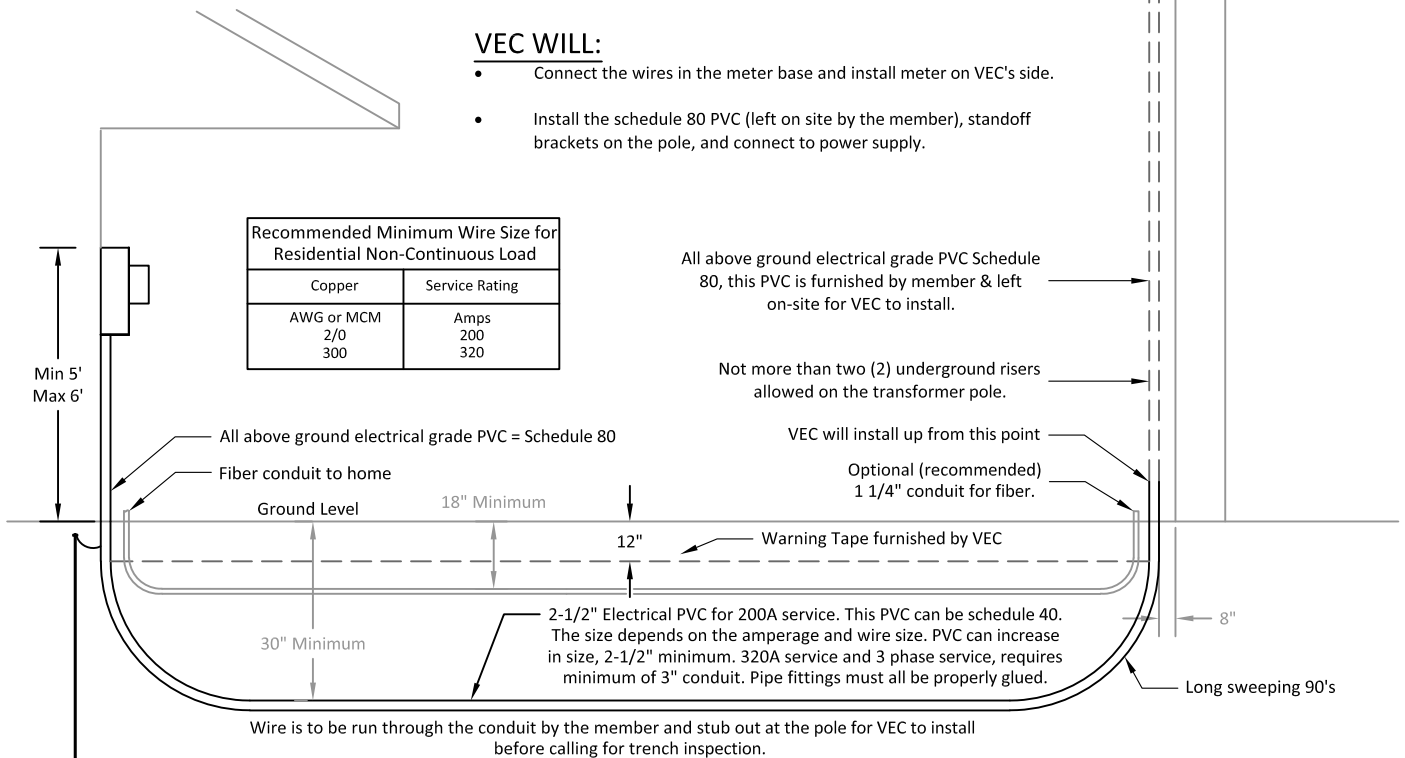
- Installing meter base, 1/2" EMT, ground rod, and ground meter base to 8' copper ground rod through 1/2" EMT
- Measure at least 30" deep trench measured from the top of the pipe. Distance from the house (meter) to proposed pole must not exceed 160'.
- Installing (electrical schedule 40 PVC) in the trench from the house (meter) to proposed pole
- Installing electrical 90 degree L (8" from pole)
- Installing electrical 90 degree L flush with the outside wall connecting to the schedule 80 conduit into the bottom of the underground meter base attached to the outside wall.
- Installing the main disconnect on the right hand side of the meter.
- Installing underground wire from the meter base through the PVC to the pole leaving about 2' out of the meter base and leave what is left (30') out at the pole.
- Must contact member services for trench inspects and ordering wire at msr@victoriaelectric.coop or call # above.



VEC WILL:

- Connect the wires in the meter base and install meter on VEC's side.
- Install the schedule 80 PVC (left on site by the member), standoff brackets on the pole, and connect to power supply.

Recommended Minimum Wire Size for Residential Non-Continuous Load	
Copper	Service Rating
AWG or MCM	Amps
2/0	200
300	320



All above ground electrical grade PVC Schedule 80, this PVC is furnished by member & left on-site for VEC to install.

Not more than two (2) underground risers allowed on the transformer pole.

VEC will install up from this point

Optional (recommended) 1 1/4" conduit for fiber.

Warning Tape furnished by VEC

Long sweeping 90's

Min 5'
Max 6'

18" Minimum

12"

30" Minimum

8"

July 2024

Rev 3.03

Underground Service Diagram



8' Copper Ground rod Connect to meter base with #6 Copper through 1/2" EMT