

VICTORIA ELECTRIC COOPERATIVE  
UNDERGROUND SERVICE DIAGRAM

LIST OF MATERIAL THE MEMBER NEEDS TO PURCHASE

1. 2 1/2" or larger, electrical schedule 40 PVC (measure the length of service from house to proposed pole) for underground installation and electrical 90 degree Ls.
2. 2 1/2" or larger, electrical schedule 80 PVC (30') for above ground installation
3. 8' copper ground rod, ground rod clamp, 1/2" EMT conduit (5'), 1/2" straps (2), #6 copper wire (10')
4. PVC couplings to match size of PVC
5. Outside main disconnect to be installed on either side of the meter base.
6. (TW) wire as needed for wiring from meter base to main disconnect

List of Material, The member needs to pick up from the Victoria Electric Cooperative warehouse.

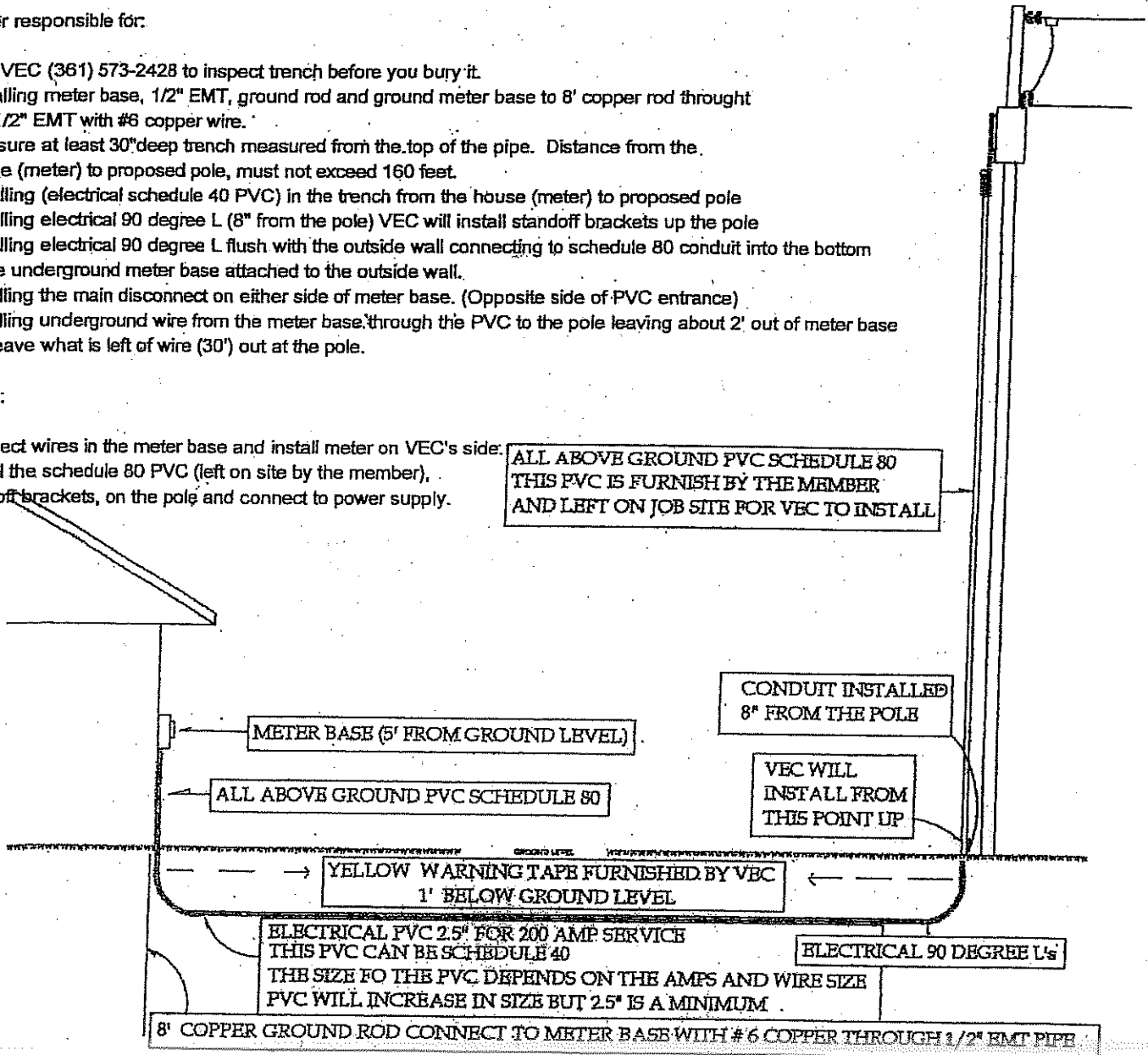
1. Meter Base for underground at cost of member.
2. Underground warning tape (The length of service from house to proposed pole.)
3. Underground wire (measure the length of service from house to proposed pole.)

Member responsible for:

1. Call VEC (361) 573-2428 to inspect trench before you bury it.
2. Installing meter base, 1/2" EMT, ground rod and ground meter base to 8' copper rod through the 1/2" EMT with #6 copper wire.
3. 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 feet.
4. Installing (electrical schedule 40 PVC) in the trench from the house (meter) to proposed pole
5. Installing electrical 90 degree L (8" from the pole) VEC will install standoff brackets up the pole
6. Installing electrical 90 degree L flush with the outside wall connecting to schedule 80 conduit into the bottom of the underground meter base attached to the outside wall.
7. Installing the main disconnect on either side of meter base. (Opposite side of PVC entrance)
8. Installing underground wire from the meter base through the PVC to the pole leaving about 2' out of meter base and leave what is left of wire (30') out at the pole.

VEC will:

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



THE WIRE IS TO BE RUN THROUGH THE CONDUIT BY THE MEMBER AND STUB OUT AT THE POLE FOR VEC TO INSTALL