

Underground Residential Service 400 AMP and Below

MLEC will furnish and install:

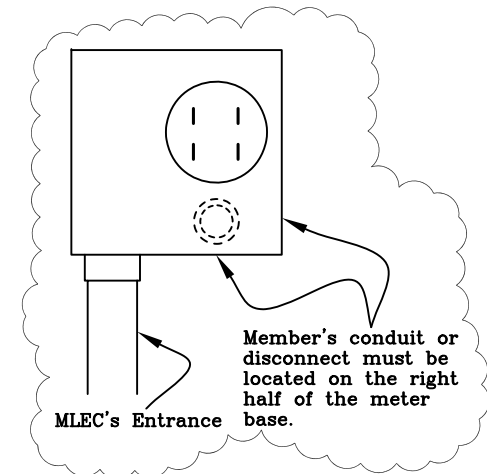
1. 3" schedule 80 PVC & all related hardware attached to service pole
2. Service conductor from transformer to meter base (Maximum 150 ft from pole base to meter base)

Items 1 through 13. below, shall be furnished and installed by member

1. Pull 1/4" nylon rope inside raceway/conduit
2. 90° elbow, 3" dia. PVC (schedule 40), minimum 24" elbow radius
3. 3" dia. PVC (schedule 40)--schedule 80 PVC to be used under roads or driveways
4. 1/2" red PEX or 1/2" dia. PVC conduit with a Nylon pulling poly line for MLEC's Smart Grid applications. Conduit shall be left 18" above grade on each end.
5. Conduit to be buried minimum 24" below final grade.

6. Member to backfill ditch after inspection by MLEC -- 24 hour notice is required

7. Stone or Creek gravel 6" below each elbow
7. 6 holes, 1/4" dia. located along bottom of each 3" dia. elbow



Note for 400 AMP Services:

A 400 AMP meter base should be purchased from MLEC.

Note for services larger than 400 Amp:

1. CT metering will be required at pole
2. All secondary conductor shall be supplied by the member to the transformer secondary bushings.

9. Meter base mounted 5'6" above grade. Minimum of 2 conduit clamps below meter base spaced evenly.
10. 3" dia. schedule 80 PVC or equivalent

11. MLEC suggests installing an expansion fitting between the meter base and ground. (This pertains to basement houses only.)
12. Unspliced ground wire to meter base

13. Grounding shall comply with current National Electrical Code.

Notes: 90° turns at pole and entrance only. Any other turns must be gradual sweeps.

All conduit is to be rated as electrical grade.

File: urd to home-2.dwg
Rev. By: BAW
Date: 7/12/2023