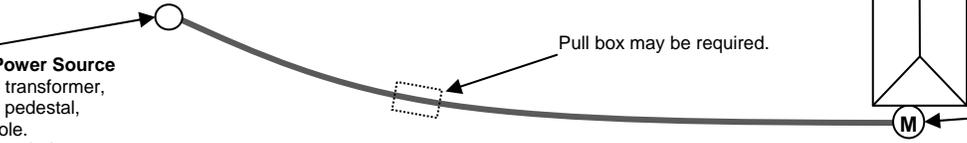


Underground Service Conduit System

For services rated up to 400A.
Recommended to be less than 200' from meter to source with no more than 3 elbows, including risers.

Cooperative Power Source

Pad-mounted transformer, secondary pedestal, or pole.
See drawings below.

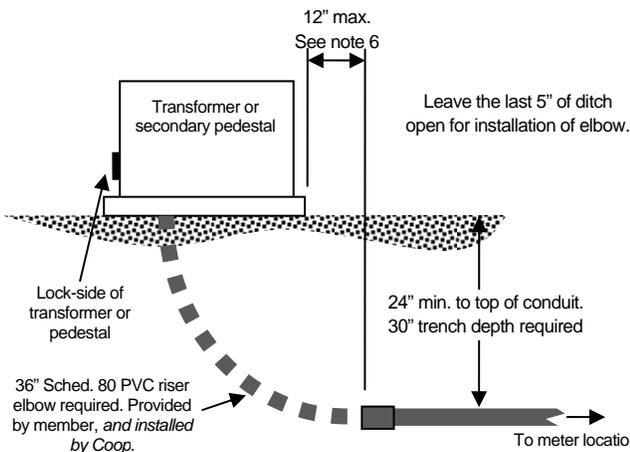


Meter Location.
See note 5.

Important: The member's service conduit system shall be located completely within the member's property boundary, and T OÖÁ^& { { ^} ä•Á@&Á^•Á } { Ö&•ç { ^E

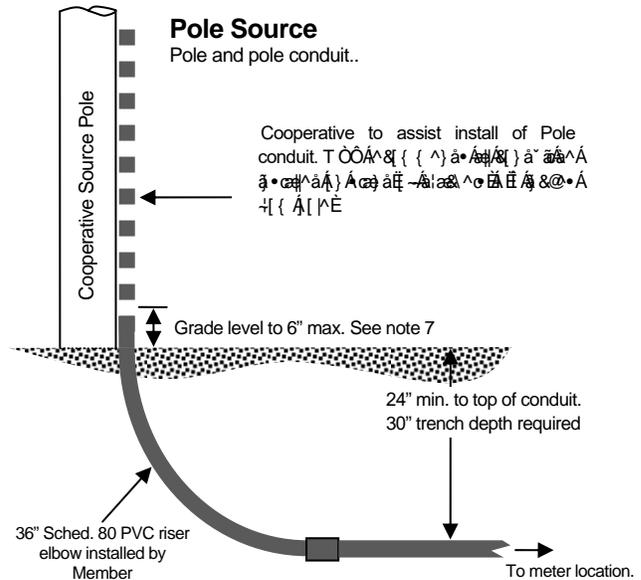
Transformer or Secondary Pedestal Source

Transformer installed by Cooperative [Ü•Á•ÖÁ]| äÁ& ä&•ÖÁ•ÁÁ Á @&•ç { ^E



Pole Source

Pole and pole conduit..



Notes:

- FÈ This drawing illustrates MEC requirements only, and is not intended to be a comprehensive guide for the installation of an electrical service. To insure a safe, quality installation that complies with the National Electrical Code and local code requirements, the Cooperative recommends that all electrical work be done by a qualified, licensed electrical contractor.
- GÈ The member shall provide and install all secondary conduit; See table below for conduit diameter. Consult Cooperative for service above 400A.
- HÈ Service conductor is to be provided and installed by the member for services rated up to 400A.
- I È Underground conduit shall be electrical grade Schedule 40 or Schedule 80 PVC. All elbows must be min. 36" Schedule 80 PVC. All joints and connections shall be cleaned and securely joined using an approved solvent.
- Ì È Meter location is to be determined by the member and must abide by all NEC code requirements on installation. Member is responsible for all secondary cable from the transformer connection point onward beginning on the day of installation.
- Í È Meter riser conduit shall be Schedule 80 PVC. Riser conduit shall flush with wall, and not contain any elbows around footings. If necessary, the PVC shall be heated and bent to produce an offset with each bend having a radius of at least 36".
- Ï È Transformer or pedestal source - member shall install conduit system to within 12" of the transformer pad or secondary pedestal. End of conduit shall be sealed and location marked. Cooperative will install conduit riser elbow into the transformer or pedestal enclosure.
- Ì È Pole source - member shall install conduit system so that riser elbow is against the base of the source pole and at grade level or not more than 6" above grade. End of conduit shall be sealed to prevent entry of dirt or other material. Services rated above 400A may require more than one riser conduit and will require stand-off type brackets; in this case the riser elbows must be installed 6" from the base of the pole.
- JÈ Underground service conduit shall be separated from telephone or cable TV by not less than 12" of well tamped earth.
- FEÈ T OÖÁ^& { { ^} ä•Á@&Á^•Á } { Ö&•ç { ^E not preferred. Please consult with your local staking engineer for further assistance.

**CALL 48 HOURS
BEFORE YOU DIG – Dial**

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**It shall be the member's
responsibility
to stay clear of all
underground facilities.**

Minimum Conduit Size

Service Rating	Conduit Size	
	Single Phase	Three Phase
100A	2"	3"
200A	2"	3"
400A	3"	4"
Above 400A – Consult NEC		

**Underground Service Conduit
System Specifications
Services Rated up to 400A**

DRAWING 8.1-2

June 2024

NOT TO SCALE



Mountain Electric Cooperative