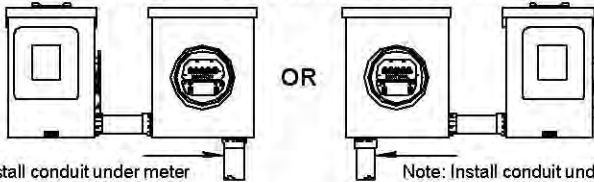


**CONDUIT PLACEMENT**

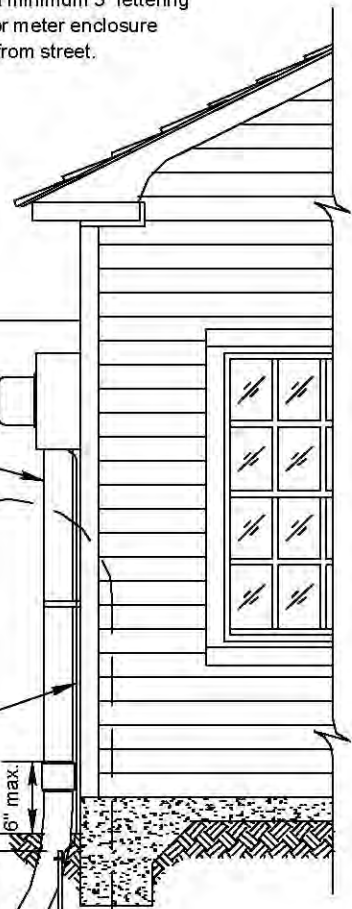
Meter socket shall be designed for underground service installation. Socket is provided and installed by the Member. Minimum required size 4 1/8" D x 11" W x 15" H. Main breaker should be within 2' of Meter. Outside wall mount required.



Note: Install conduit under meter socket on opposite side of switch

Note: Install conduit under meter socket on opposite side of switch

911 address shall be a minimum 3" lettering marked on structure, or meter enclosure and should be visible from street.



**CALL 48 HOURS BEFORE YOU DIG –**

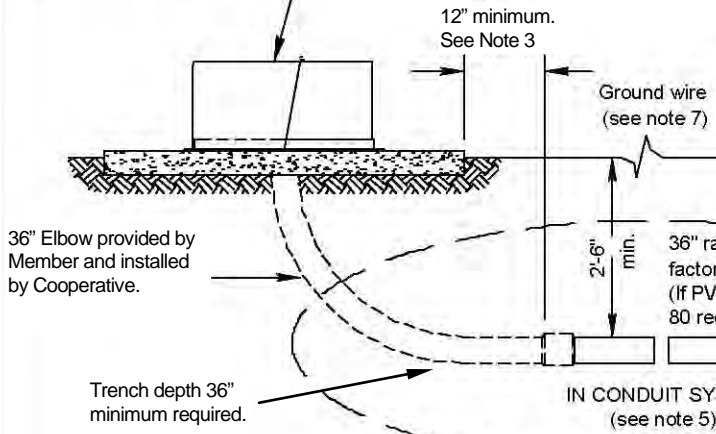
**Dial 811**

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

Conduit, elbows, and bushings provided and installed by Member. See table below.

Conduit shall be flush with wall when installed. 45° or 90° bends around footings are not permitted. See Section 8.6.1

Pad mount transformer or secondary pedestal provided and installed by Cooperative.



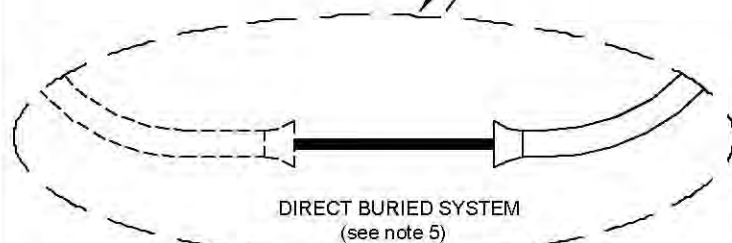
36" Elbow provided by Member and installed by Cooperative.

Trench depth 36" minimum required.

IN CONDUIT SYSTEM (see note 5)

5/8" X 8' copper clad ground rod and clamp provided and installed by Member.

Upper end of ground rod to be flush with or below ground level



DIRECT BURIED SYSTEM (see note 5)

**NOTES:**

1. Member facilities shall comply with Cooperative Standards, the National Electrical Code, and authorities having jurisdiction.
2. Meter enclosure shall be installed and maintained by the Member.
3. Conduit system shall be installed to within 12" of the transformer pad or secondary pedestal. End of conduit to be sealed and location marked. Consult Cooperative for specific location.
4. The Member shall install 80lb non-metallic pull line or bull tape in the conduit. Conductor normally supplied by Cooperative up to 320A.
5. Direct buried systems are allowed for some agricultural and non-residential service locations. Consult a Cooperative Representative for required system in your area.
6. See drawing 8.6-5 for equipment work clearance.
7. For grounding information see section 13.5.

**Member Installation Minimum Wire and Conduit Size**

Meter Size	Conduit Size	Aluminum (Insulation per NEC)	Copper (Insulation per NEC)	Neutral	Ground Wire Size
100A	2"	#2	#4	Same as phase	#6 CU
200A	2"	4/0	2/0	Same as phase	#4 CU
320A	3"	500 kcmil	350 kcmil	See NEC	#2 CU
Over 320A			Consult the Cooperative		

**NOTICE**

The Cooperative recommends that all work on the Member's facilities be performed by a qualified, licensed electrical contractor.

**PADMOUNT TRANSFORMER OR SECONDARY PEDESTAL SERVING A MEMBER**

**DRAWING 8.6-2**

October 2010

NOT TO SCALE



**First Electric Cooperative Corporation**