

SPECIFICATIONS FOR RESIDENTIAL UNDERGROUND ELECTRIC SERVICE INSTALLATION

This document addresses the most typical residential underground service installations. Variances for the following specifications must be approved in advance in writing by Southwestern Electric Cooperative Inc. If you have any questions, please contact Southwestern Electric's engineering department at (800) 637-8667.

The following specifications must be met to ensure your new underground electric service is installed in a safe, reliable and timely manner. Failure to meet any of the requirements may result in a delay of the installation of your new underground service and/or require the relocation of facilities.



**BEFORE YOU DIG
CALL JULIE
1-800-892-0123
or 811**

Section 1.

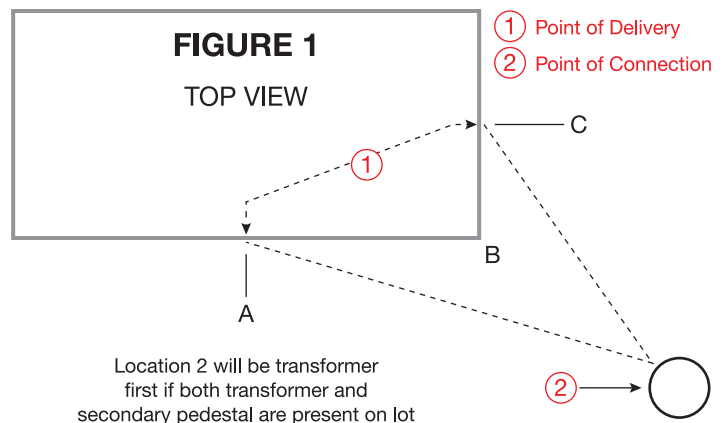
Location for Point of Delivery on Buildings

A) An approved location for the point of delivery to a member's premises will typically be located between the midpoints of the building from the corner located nearest the Cooperative's distribution equipment (see Figure 1). A and C are the midpoints of the building. The service may be located anywhere between A and B or B and C observing the clearance requirements set forth in section 2 of this sheet.

B) The point of connection to Southwestern Electric Cooperative's distribution equipment may be overhead or underground; a representative of Southwestern Electric's engineering department will designate the point of connection. Please contact Southwestern Electric prior to construction to discuss charges and fees associated with your new Membership.

C) Southwestern Electric Cooperative installs all new underground electric service cable in conduit. No more than three 90°-sweeps/bends are permitted in any installation (this includes the bends at the distribution point of connection and the point of delivery at the meter).

D) Southwestern Electric Cooperative is governed by the National Electric Safety Code and must maintain underground separation from other underground objects and certain above ground structures. The underground route and overall length of service will need to be determined by your Southwestern Electric engineer.



Section 2.

Meter Location

The Member shall provide a suitable place for the installation of metering equipment following these separation requirements.

A) The equipment shall be installed on the outside wall of the member's building or approved metering structure and be so located that adequate space and unobstructed access is provided to Southwestern Electric Cooperative employees for reading, testing, maintaining and exchanging of such equipment.

B) The Member shall consult with Southwestern Electric Cooperative's engineering department for proper location and mounting of metering equipment. Please visit the forms library on Southwestern Electric Cooperative's website for engineering spec sheets based on size and type of service.

C) Metering equipment shall not be located on buildings adjacent to alleys, streets or other similar exposed places where it can be damaged by moving vehicles. Exceptions to this may be made if protection is in place such as guard rail or

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posts; this requires prior approval from Southwestern Electric Cooperative Inc.

D) No metering equipment shall be located below, above or within a 3 foot radius of a gas meter and regulator installation (shown in Figure 2).

E) A separation of 6 feet must be maintained from any electric motor, generator, belt or other moving machinery that may present a hazard or endanger the safety of those reading or working on the metering device.

F) A separation of 3 feet from all windows, doors and vents must be maintained, a separation of 18 inches from corners must be maintained.

G) Clear working space of 2½ feet must be provided and maintained in front of any metering equipment or enclosure that may require Southwestern Electric Cooperative to need access.

H) Refer to your local governing inspection agency for possible additional requirements.

FIGURE 2

