

## 9 Manufactured and Mobile Home Services

### 9.1 *Underground Service*

Refer to Section 6, *Underground Requirements* and Section 7, *Single-Family Service* for requirements that pertain to installation of underground secondary service.

#### 9.1.1 **Manufactured Home**

Underground service to a manufactured home will be provided under the same requirements as single-family service if the home is site-specific, occupies a private lot, and has a permanent foundation as determined by the local jurisdiction. For more information, see the meter height and position requirements in Section 5.2, *Meter Clearances and Location Criteria*.

The location of a factory-installed meter socket must be approved by PGE before manufacture of the home. When the meter socket is improperly located, the Customer is responsible for all modifications to relocate or locate the meter to PGE requirements.

#### 9.1.2 **Mobile Home**

For underground service to a mobile home, locate the Customer's service entrance on an approved pedestal or mounted on a wood post.

##### 9.1.2.1 ***Underground Pedestal Installation Service***

The location of the pedestal is specified by PGE. Other applications for the pedestal must be approved by PGE.

The wood post must measure at least 6- x 6 inches and be pressure- or thermally treated by the manufacturer with an approved American Wood Preservative Association standardized preservative. The use of railroad ties is **not** acceptable.

The Customer must furnish, install, and maintain the pedestal or wood post. The Customer must also furnish and install an underground-type meter socket enclosure, a 6- x 6-inch pressure- or thermally treated post and hardware, a conduit with pull string, a utility easement, and a trench. See **Figure 9-1** and **Figure 9-2**.

Keep the bottom of the enclosure containing the service equipment a minimum of 24 inches above the finished grade. For a meter that is subject to physical damage, the Customer must install and maintain a barrier post or other suitable protection approved by PGE. See Section 6.4.6, *Barrier Post* for requirements.

A permanent label on the meter socket enclosure with the space number is required in a mobile home park.

After approval, PGE will provide service to the meter pedestal compartment for a permanent mobile home. Each mobile home must have a separate pedestal compartment approved by PGE for termination of the PGE service lateral.

Locate PGE conductor trenches and conduits in mobile home parks away from—never underneath—the pad, foundation, or area provided for the manufactured home.

Follow these requirements for underground pedestal installation service to a mobile home. See **Figure 9-1**.

- Provide additional corrosion-resistant protection to the bottom of the pedestal that contacts the soil. Use electroplate galvanizing under the paint or use a paint with coal tar coating.
- Install the pedestal a minimum of 7 feet from the service pole.
- Locate the bottom of the pedestal 18 to 24 inches below final grade.
- Locate the pedestal so that the front door to PGE connections remains accessible.
- Locate the center of the meter a minimum 42 inches above final grade and a maximum 72 inches above final grade.
- Display the electrical label or permit on the meter socket.
- Locate the bottom of the access door a minimum of 6 inches above final grade.
- Ensure that the metal seal that PGE uses to secure the access door to PGE connections remains accessible.
- Maintain a clearance of at least 6 inches between the final grade and the bottom of the access door to PGE connections. The access door must have a sealable provision for PGE.
- Drive two 0.125- x 1- x 1-inch steel angles into the ground on each side of the pedestal. Attach the steel angles to the side of the pedestal using 1/4-inch or larger bolts.
- Do **not** install the Customer's conduit across the front of the PGE access door on a pedestal.
- Use a corrosion inhibitor on all aluminum connections.

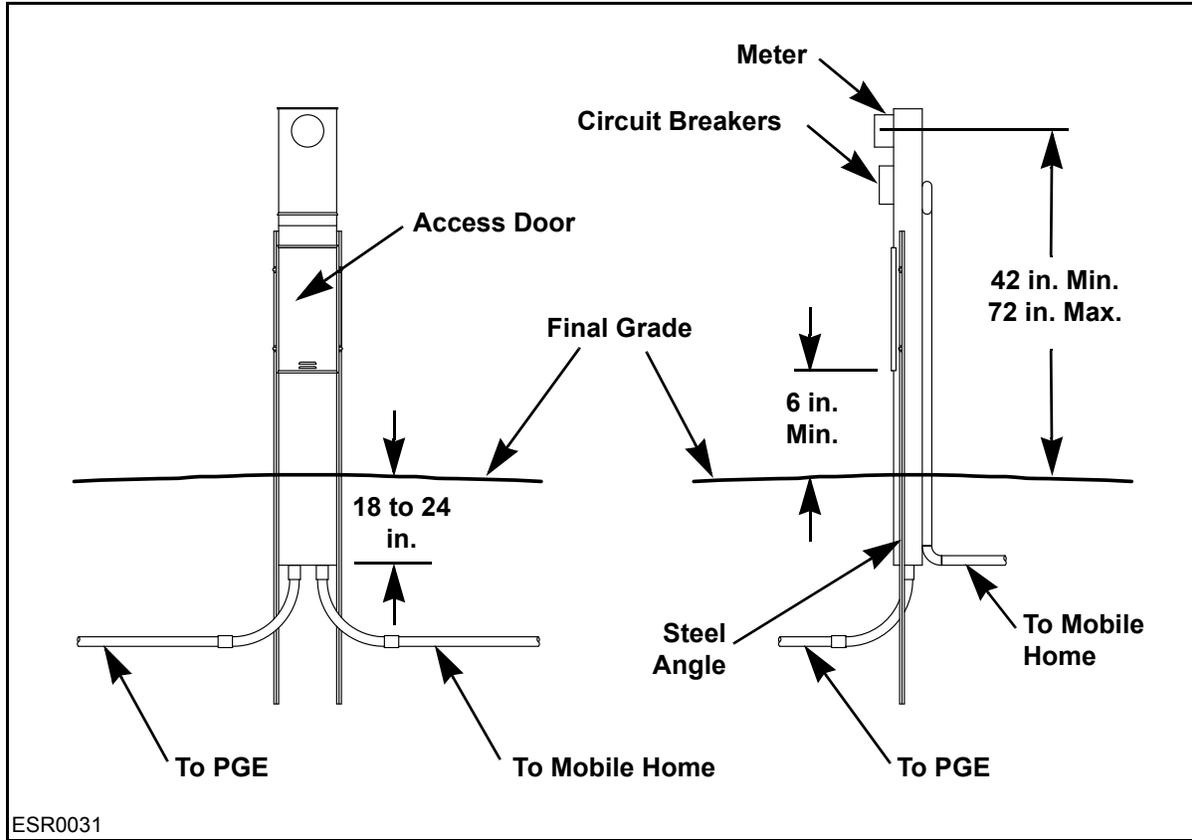


Figure 9-1: Underground Pedestal Installation Service for a Mobile Home (EUSERC 307)

### 9.1.2.2 Underground Post-Mounted Installation Service

Follow these requirements for underground post-mounted installation service to a mobile home. See **Figure 9-2**.

- Install a minimum 6- x 6-inch pressure-treated wood post that is owned by the Customer. Firmly tamp the earth around the post; mound the earth around the post to accommodate settling.
- An electrical label or permit must be displayed on the meter socket.
- Use a strap to secure the conduit to the post.
- PGE will determine the exact location of the meter.
- The post is to be installed a minimum of 7 feet from the service pole.
- Maintain a 24-inch minimum between the bottom of the meter enclosure and the final grade.
- See Section 6.2, *Trenches Provided by the Customer* for trench requirement details.

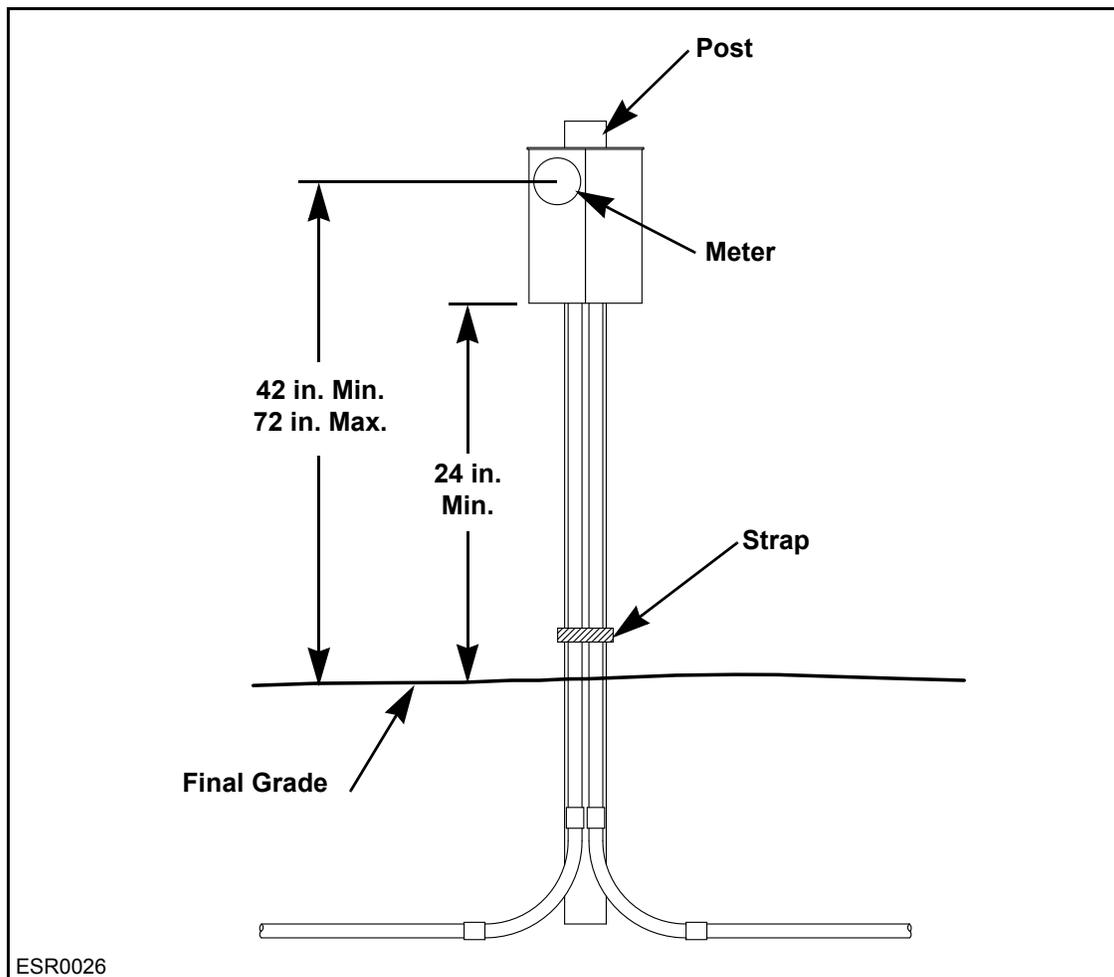


Figure 9-2: Underground Post-Mounted Service for a Mobile Home

## 9.2 Overhead Service

PGE will supply new overhead service to any building or premises that is not in an area designated by the local governmental jurisdiction and/or PGE as an underground district restricted to underground service.

### 9.2.1 Manufactured Home

PGE will provide overhead service to a manufactured home using the same requirements as a residential occupancy provided in Section 7, *Single-Family Service*. The Customer must make provisions for meter height and placement as described in Section 5.2, *Meter Clearances and Location Criteria*.

The location of the factory-installed meter socket must be approved by PGE before manufacture of the home. When the meter socket is improperly located, the Customer is responsible for all modifications to relocate or locate the meter to PGE requirements.

### 9.2.2 Mobile Home

The Customer must install the meter socket and service equipment on a wood pole. The pole must be pressure-treated or thermally treated by the manufacturer with an American Wood Preservative Association standardized preservative. PGE will not energize the service if the Customer-provided service pole is not safe to climb.

The pole height must provide all required clearances for the PGE service drop and any telephone, cable, or other attachments. For more information, see Section 5, *Clearances*.

Follow these requirements for overhead service to a mobile home with a Customer underground service lateral, and for overhead service to a mobile home with a Customer overhead service drop. See **Figure 9-3** and **Figure 9-4**.

- The Customer is to provide and install a new PGE-approved pole that has a minimum length of 20 feet and a minimum diameter of 5.5 inches at the top. The pole must be pressure-treated or thermally treated by the manufacturer, and set a minimum of 5 feet below the level of the ground with gravel backfill. A 6- x 6-inch treated square post is an option.
- If the service drop crosses a road or traffic area, the pole must have a minimum length of 24 feet, a minimum diameter of 5.5 inches at the top, and set a minimum of 5 feet below the level of the ground with gravel backfill.
- A pole longer than 24 feet must be set more than 5 feet below the level of the ground. Consult PGE for proper depth.
- An electrical label or permit must be displayed on the meter socket.

- The Customer must provide a 3/8-inch eyebolt where the service attaches to the pole.
- The Customer is to provide the drip loop and a minimum 5/16-inch galvanized steel cable down guy and anchor. The guy attachment is to be at the height of the weatherhead.
- Allow 24 inches of cable to create the drip loop.
- A longer pole may be required to accommodate overhead communication lines. Contact the telephone utility and the cable company for their required clearances.
- PGE will determine the exact location of the meter.

Follow this additional requirement for overhead service to a mobile home with a Customer overhead service drop.

- Install the pole a minimum of 7 feet from the service pole.

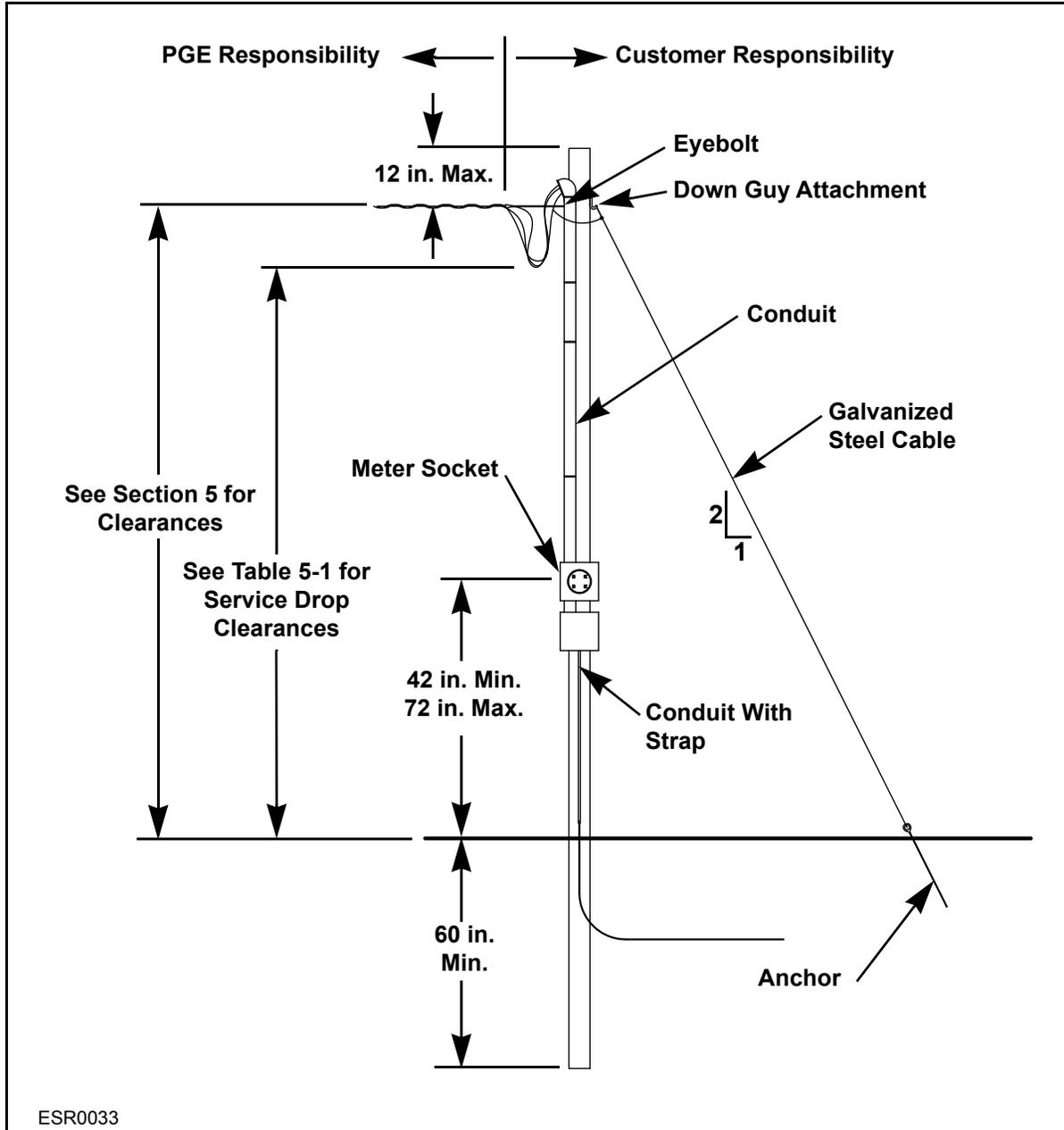


Figure 9-3: Overhead Service to a Mobile Home With a Customer Underground Service Lateral

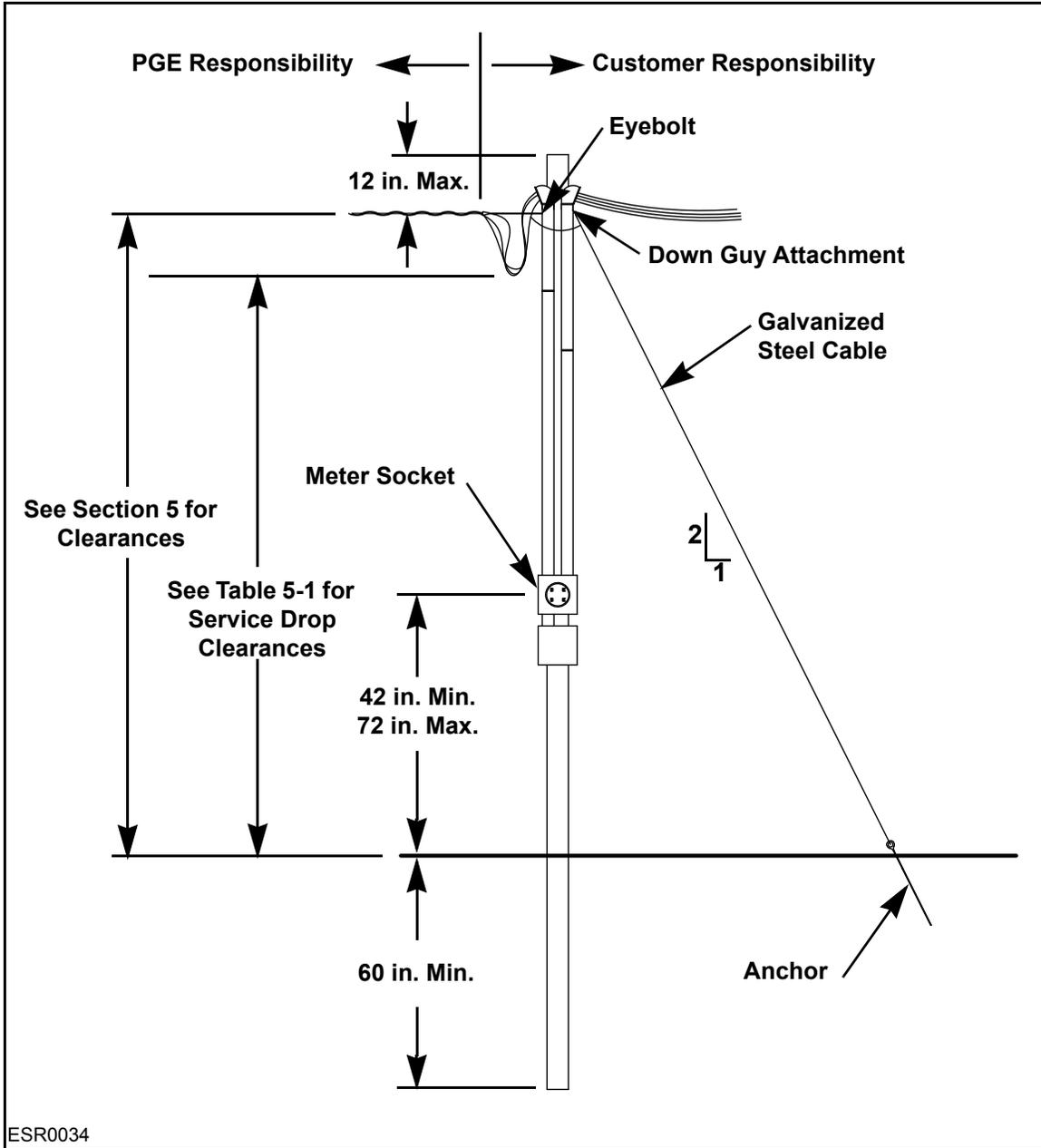


Figure 9-4: Overhead Service to a Mobile Home With a Customer Overhead Service Drop