

Temporary Underground Installation With and Without a Pedestal

Temporary electric service is typically used by contractors at construction sites. It's not a substitute for permanent service. PEC does not inspect temporary service construction and assumes no liability for damages or injuries from the construction of temporary underground service. PEC will refuse service where a known hazardous condition exists and/or if connections do not meet specifications outlined on this sheet. Texas law requires you to call the Texas Excavation Safety System at 1-800-DIG-TESS at least two days before you dig deeper than 16 inches using mechanical equipment. We also urge you to use a qualified electrician to prevent safety hazards, additional costs, and delays.

We follow the National Electric Code (NEC), which offers guidelines on materials and construction procedures for meter loops and other electrical applications. For your protection, PEC urges you or your electrician to use only NEC-approved procedures and materials. If you or your electrician need additional information or assistance, please contact PEC at 1-888-554-4732 or visit our website at www.pec.coop.

With a Pedestal

Electrician's Responsibilities

- Provide a weatherproof temporary main disconnect, a nipple, locknuts, and bushings like those indicated in the diagram on the next page.
- Connect the temporary main disconnect to the meter socket using the knockout hole on the side of the socket.
- Install the conduit from the bottom of the meter socket to the load to be served before electric service is permanently connected.
- Install a permanent breaker and the wiring to connect the breaker to the temporary main disconnect before PEC installs a meter.
- Plug the meter socket knockout hole with a snap-in plug when the temporary main disconnect is removed.

PEC's Responsibilities

- Furnish and install a meter socket equipped with a knockout hole.
- Provide electricity to the site after all NEC guidelines are met and no known hazardous conditions exist.

Without a Pedestal

Electrician's Responsibilities

- Provide a weatherproof temporary main disconnect, a nipple, locknuts, and bushings like those indicated in the diagram on the next page.
- Connect the temporary main disconnect to the meter socket using a 1 1/4 inch hub on top of the socket.
- Couple the conduit from the bottom of the meter socket to a 2-inch conduit stub.*
- Service conductors** must be put in from a secondary enclosure to the top lugs of the meter socket.
- Install conductors** from the bottom of the meter socket to the line side of the main disconnect.
- Breakers and a ground fault circuit interrupter must be put in before the meter.
- Use a meter socket equipped with 1 1/4 inch hub.

PEC's Responsibilities

- Handle all transformer and secondary enclosure internal connections.
- Disconnect the necessary wires when service to the temporary location is no longer needed and service is connected to a permanent facility.
- Provide electricity to the site after all NEC guidelines are met and no known hazardous conditions exist.

*Utility contractors install conduit stubs

**Sizes of all underground conductors must follow NEC guidelines.



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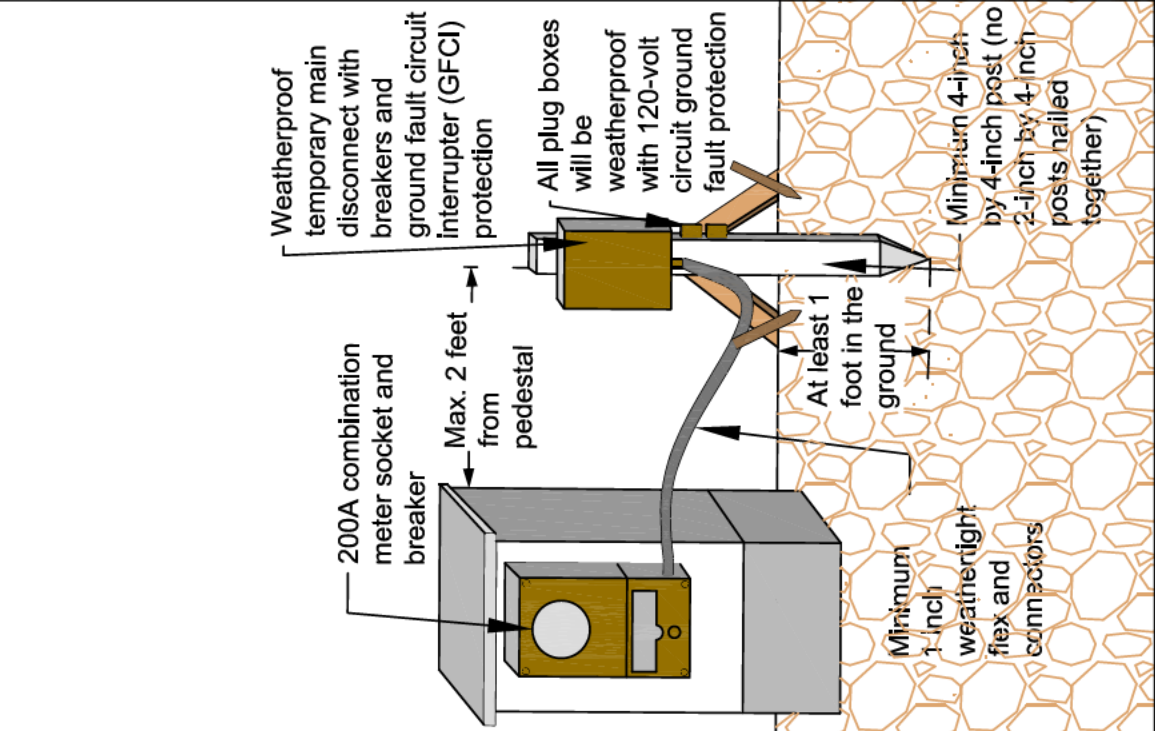
Meter Loop Construction

Temporary Underground Electric Service

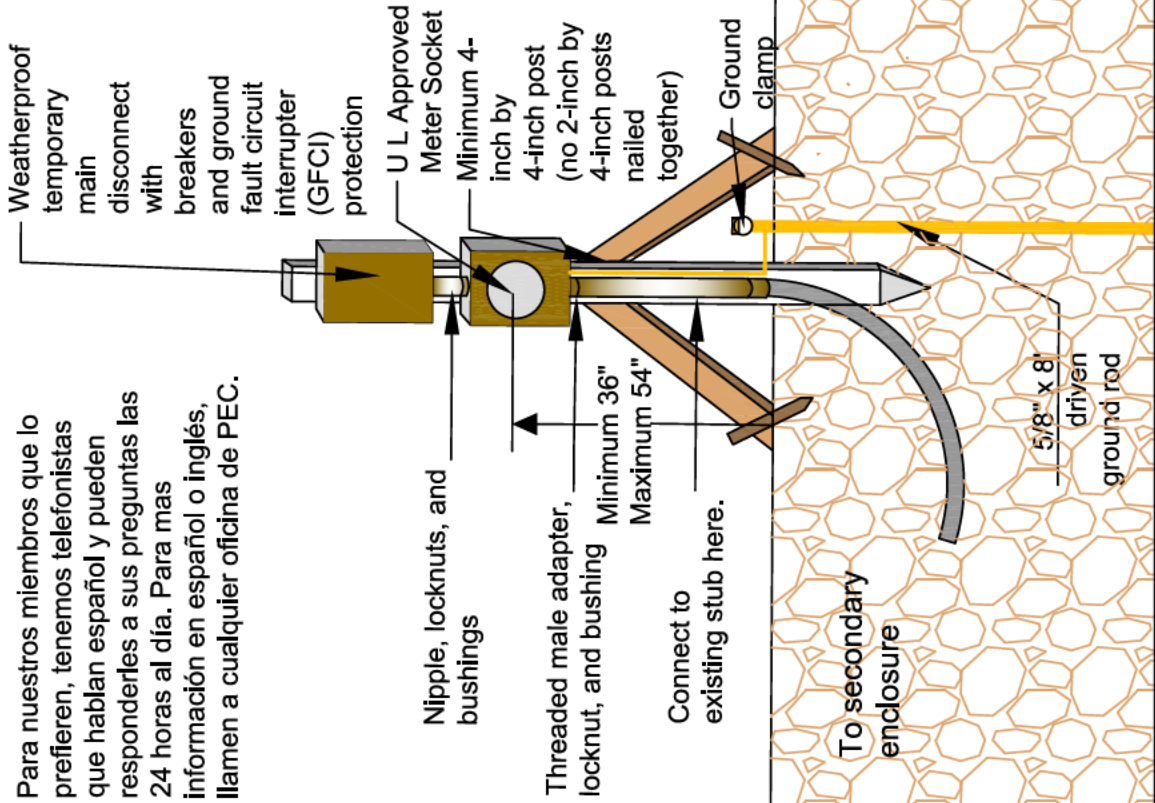
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Temporary Underground Installation Off a Meter Pedestal



Temporary Underground Installation Without a Pedestal



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