

# 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 contact Texas811 by calling 811 at least two days before you dig 16 inches deep or more using mechanical equipment. We also urge you to use a qualified electrician to prevent safety hazards, additional costs and delays.

We follow the National Electrical 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 call us at 1-888-554-4732 or visit [www.pec.coop](http://www.pec.coop).

## With a Pedestal

### Electrician's Responsibilities

- Provide a weatherproof temporary main disconnect with locknuts and bushings like those indicated in the diagram on Page 2.
- Connect the temporary main disconnect to the meter socket using the knockout hole on the side of the meter socket can.
- 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 Page 3.
- Connect the temporary main disconnect to the meter socket using a 1 1/4" hub on the top the meter socket can.
- Couple the conduit from the bottom of the meter socket to a 2" 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" 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.



*Michelle Galloway*  
07/03/2019

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TEMPORARY UNDERGROUND  
ELECTRIC SERVICE

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# WITH PEDESTAL



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07/03/2019

200A COMBINATION  
METER SOCKET AND  
CIRCUIT BREAKER

MAX. 24"  
FROM  
PEDESTAL

WEATHERPROOF  
TEMPORARY MAIN  
DISCONNECT WITH  
BREAKERS AND  
GROUND FAULT  
CIRCUIT INTERRUPTER  
(GFCI) PROTECTION

ALL PLUG BOXES  
WILL BE  
WEATHERPROOF  
WITH 120V CIRCUIT  
GROUND FAULT  
PROTECTION

LOCKNUT AND  
BUSHING

AT LEAST  
12" IN THE  
GROUND

MIN. 1" WATERTIGHT  
FLEX AND CONNECTORS

5/8" x 8' DRIVEN  
COPPER CLAD  
GROUND ROD

MIN. 4" x 4" POST  
NO 2" x 4" STUDS  
NAILED TOGETHER

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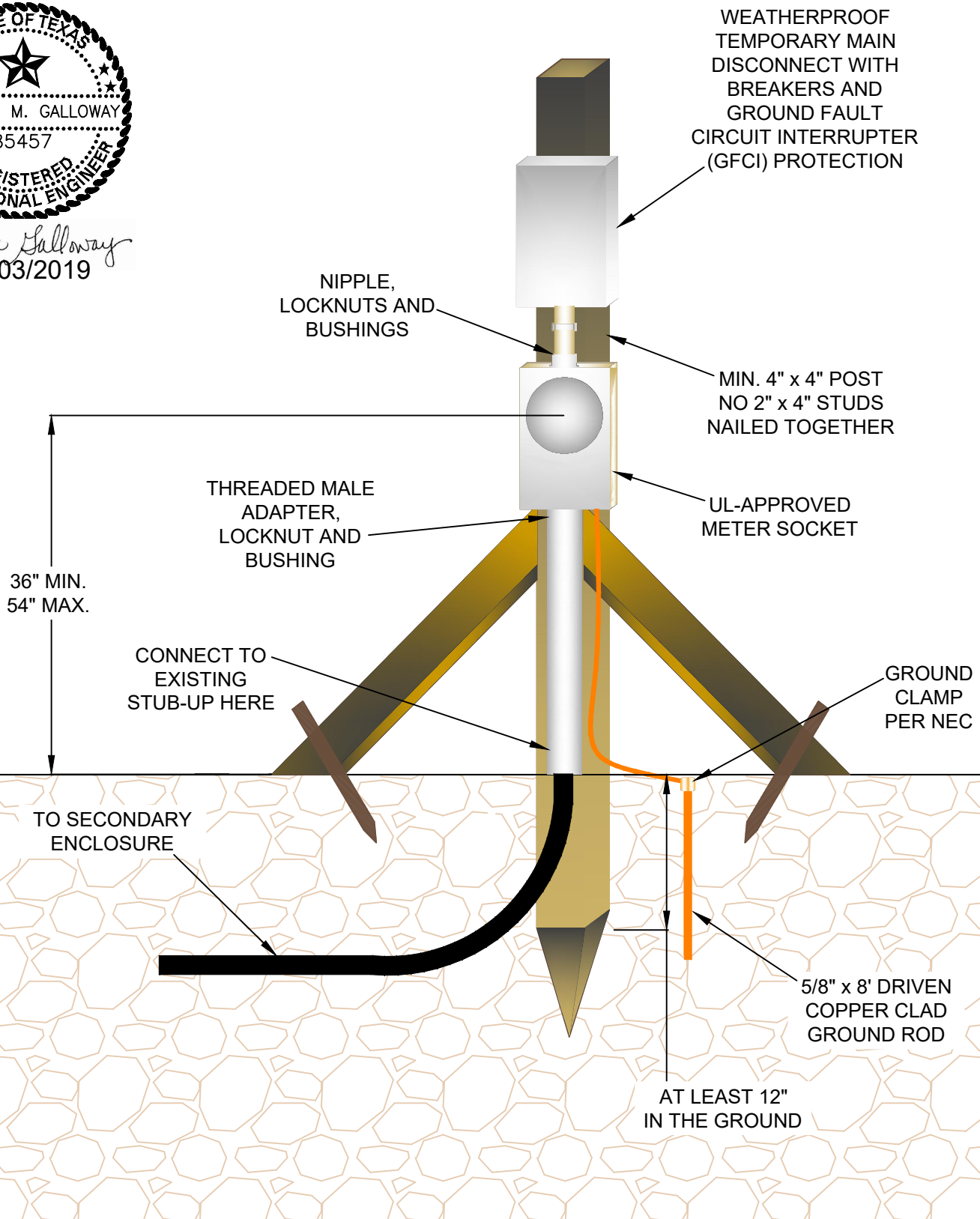
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# WITHOUT PEDESTAL



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