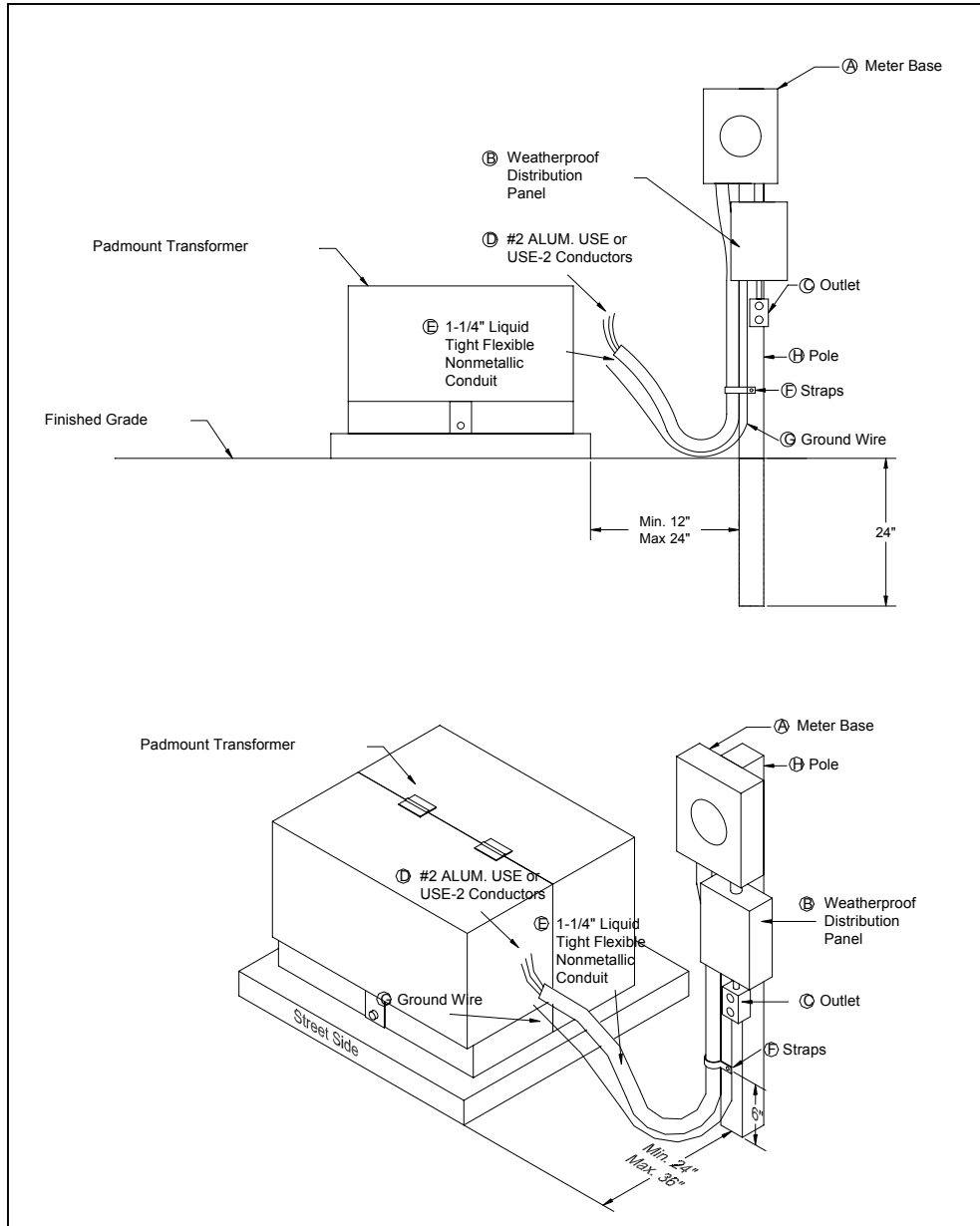




# Temporary Construction Service Underground Electric Service Requirements

100 AMP Capacity, 120/240-Volt Single-Phase

**Greenville Light and Power System**  
**423-636-6200**  
**www.glps.net**  
**Revised June 7, 2002.**



- A. **UG METER BASE:** Customer must contact GLPS Engineering Department to have meter base location determined. GLPS has the right to require relocation of the meter base when customer has not complied with this requirement. Meter base must be mounted between 5 feet and 6 feet above finished grade. Meter base must be grounded to approved ground rod.
- B. **WEATHERPROOF DISTRIBUTION PANEL:** Panels capable of housing more than two single pole circuits shall have a main breaker. Size of conductors from meter base to panel will depend on size of panel. Refer to current edition of NEC for required conductor size.
- C. **OUTLETS:** The service must have at least one outlet below the breaker panel. All outlets **must be** of the GFCI type, **OR** should be protected with a GFCI breaker. The outlet must also have a weatherproof type cover.
- D. **UNDERGROUND SERVICE ENTRANCE CONDUCTORS:** Temporary services having distribution panels rated 100 amps or less, must use #2 aluminum USE or USE-2 conductors. Conductors must extend 18" beyond end of conduit.
- E. **LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT:** 1-1/4" liquid tight flexible nonmetallic conduit rated for direct burial must be used for temporary services having distribution panels rated at 100 amps or less. Six feet of this conduit, measured from the base of the pole at ground line, must be provided.
- F. **STRAPS:** Straps shall be installed at intervals not exceeding 3 feet and within 12" of the meter base. A strap shall be installed within 6" of finished grade.
- G. **GROUND WIRE:** Wire must be no less than #6 bare copper. Ground wire must be securely fastened to pole. Six feet of ground wire, measured from the base of the pole at ground line, must me provided. Leave ground wire out of ground, do not attempt to bury or install ground rod; GLPS will install ground wire in ground and make connection to GLPS ground rod.
- H. **POLE:** If a pole mounted temporary is used, pole must be at least 4" in diameter, 8 feet in length and installed 24" in ground.

**Call GLPS Engineering at 423-636-6200 for on-site consultation prior to construction.**

**IMPORTANT:** Call Tennessee One-Call at 1-800-351-1111 to have all underground utilities located before you dig.

**NOTE:** This is to be used as a guide only - some installations may vary. All installations must meet current NEC, NESC and GLPS requirements.