



NU-151 Aug. 2024

Temporary Construction Service Underground Electric Service Requirements

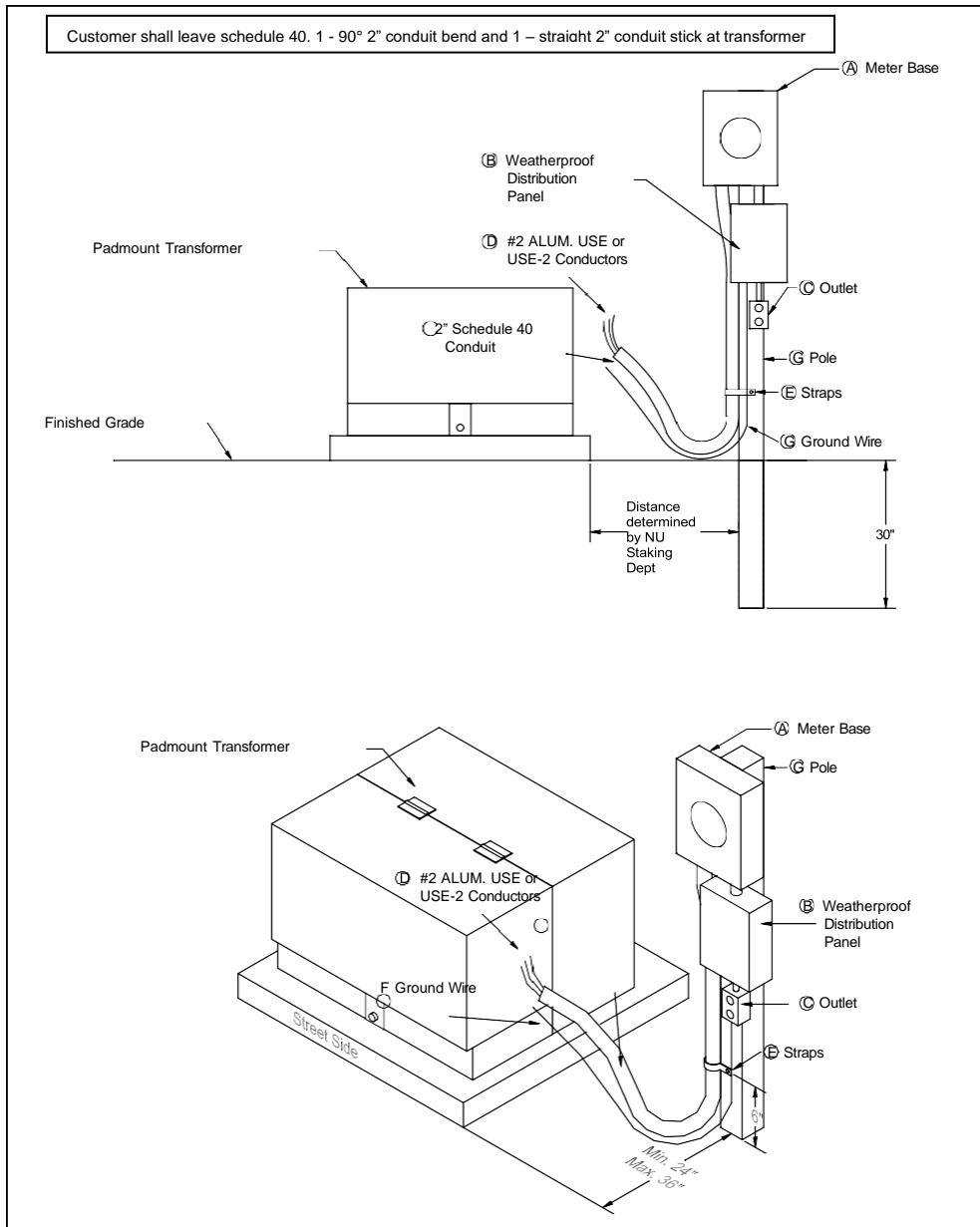
Newport Utilities

423-625-2800

www.newportutilities.com

Revised Sept 24, 2024.

120/240-Volt Single-Phase



- A. **UG METER BASE:** Customer shall contact NU Staking Department to have meter base location determined. NU 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. **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.
- F. **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 be provided.
- G. **POLE:** If a pole mounted temporary is used, pole must be 6"x6" treated, 8 feet in length and installed 30" in ground.

Note: Customer shall leave schedule 40, 1 - 90° 2" conduit bend and 1 - straight 2" conduit stick at transformer

Call NU Customer Service at 423-625-2800 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 Newport Utilities requirements.