

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
PEDESTAL, UNDERGROUND SERVICE, METERED AND UNMETERED

SIG:EMS

1 of 2

APPR:BA:HLO:05-05-20
FHWA:APPR:05-06-20

a. Description. This work consists of installing or removing a complete pedestal for underground (UG) electrical service, either metered and/or unmetered. A complete pedestal UG electrical service includes the pedestal, meter socket (as required), brackets, hardware, fittings, connectors, cable, conduit, risers, grounding, and all appurtenant material required to complete the work.

b. Materials. Provide pedestal(s) in accordance with this special provision. Provide hardware, connectors, cable, conduit, and all other appurtenant materials in accordance with sections 918 and 921 of the Standard Specifications for Construction. Provide other required material, not specifically addressed in the Standard Specifications for Construction, in accordance with local utility company requirements and the *NEC*. Ensure the UG electrical service pedestal is in accordance with the following:

1. Suitable for mounting on a foundation as shown on the plans;
2. Fabricated from stainless steel;
3. Equipped with a 3- to 6-circuit, load center, 100 ampere service rated;
4. Neutral and ground lugs installed 15 inches from grade;
5. Customer door to have gasket on all four sides and equipped with a main door lock, Corbin no. 15481RS, Pelco (Type II) SM-1025 or equivalent Lock to be constructed of nonferrous or stainless materials, which operates with a Traffic Industry conventional #2 key, Corbin No. 1R6380 or Pelco (Type II) SM-0198-2 or equivalent. Ensure a minimum of two keys are included for the main door of each cabinet.
6. Ensure unmetered pedestal are no greater than: Width = 12.00 inches, Depth = 8.25 inches, Height = 32.00 inches; and
7. Ensure metered pedestal are no greater than: Width = 12.00 inches, Depth = 8.25 inches, Height = 52.00 inches.

c. Construction. Complete this work in accordance with sections 819 and 820 of the Standard Specifications for Construction, per the contract, and this special provision.

Contact the local power company and coordinate installation or removal, of underground electrical service power feed and meter and meter sockets as required, as indicated on the plans or as directed by the Engineer.

Where installation of new underground service, metered, is called for on the plans, install a new meter socket and provide bonding in compliance with MDOT, *NEC*, *National Electrical Safety Code (NESC)* and local utility company requirements. Use weatherproof LB's to enter and exit all meters, service disconnects, and controllers. Complete additional work required by the local utility company to make a complete and operating installation.

Where removal is called for on the plans, complete removal work in accordance with MDOT, *NEC*, *NESC*, and local utility company requirements.

d. Measurement and Payment. The completed work, as described, will be measured and paid for at the contract unit price using the following pay items:

Pay Item	Pay Unit
Pedestal, Underground Serv, (type)	Each
Pedestal, Underground Serv, Rem	Each

1. **Pedestal, Underground Serv, (type)** includes the work as described, including additional work required by the local utility company to make a complete and operating installation.

2. **Pedestal, Underground Serv, Rem** includes the work as described, including additional work required by the local utility company to remove a complete pedestal for underground electrical service.