

Use this setup with underground service

Figure 1: General concept for the pedestal and underground service

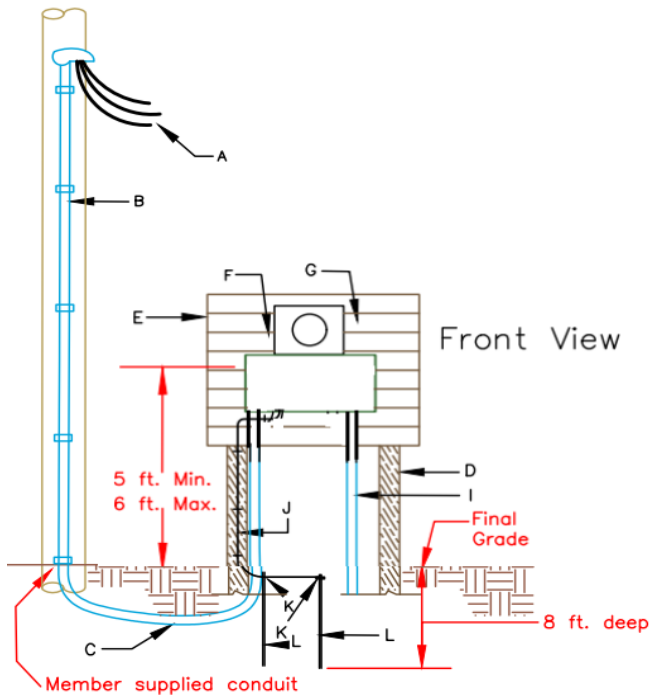
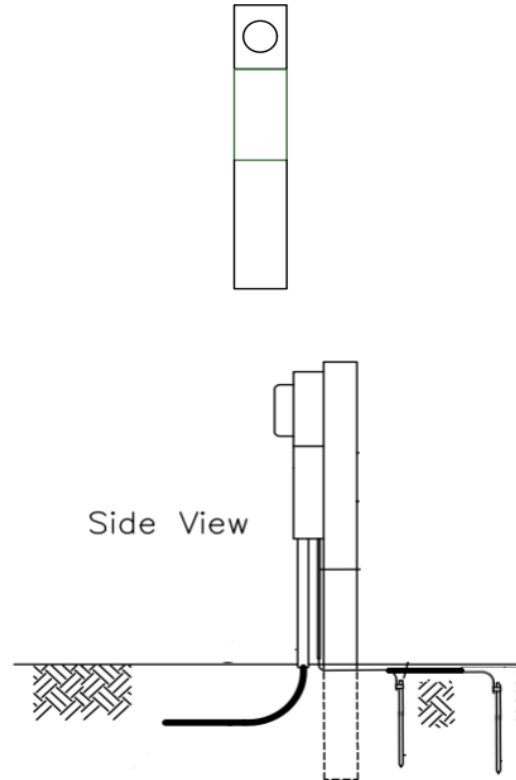


Figure 2: Alternative URD Pedestals



2 GROUND RODS NOW REQUIRED

Table 2: Wire Sizes

| Item | Service Capacity | |
|---------------------------|---------------------------|---------------------------|
| Wire Size | 200 Amps | 400 Amps |
| Copper | 3/0 | 400 Kcmil |
| Aluminum | 4/0 | 350 MCM |
| Conduit Size | 2 1/2 in. schedule 80 PVC | 2 1/2 in. schedule 80 PVC |
| Bare copper ground wire | #6 | #6 |
| Ground rods | (2) - 5/8 in. diameter | (2) - 5/8 in. diameter |
| Copper weld or galvanized | 8 ft. long | 8 ft. long |

Table 1: Description of Parts

| Item | Part | Notes |
|------|--|--|
| A | Conductors | Supplied and installed by Jackson Energy |
| B | Stand-Off Brackets | Supplied and installed by Jackson Energy |
| C | 2 1/2 in. schedule 80 conduit or larger | Set 10 ft. minimum from Jackson Energy pole. Long sweeping elbow. No right angle elbows allowed. Supplied and installed by member. |
| D | 6 in. x 6 in. treated posts (2) | Bury 3 ft. deep. Must be tall enough so that the center of the meter base will be 5 ft. to 6 ft. tall. Cut the top of the post at an angle such that water will drain away from the electrical panels. |
| E | Backboard for mounting meter base and disconnect box | Use 2 in. x 6 in. treated boards. Use enough boards to mount the meter base and disconnect box. Nail the 2 in. x 6 in. boards to the 6 in. x 6 in. treated posts. |
| F | Meter base | Must be level and must face the street or walkway. |
| G | Disconnect Box | Must have over current protection and be waterproof, Multi-Circuit |
| H | Ground wire, ground rod and ground clamp | See Table 2 |
| I | 2 1/2 in. schedule 80 conduit or larger | Exits bottom of disconnect |
| J | Ground Wire | See Table 2. Connect to neutral bar |
| K | Ground Clamp | Connects the ground wire to the ground rod |
| L | Ground Rods | See Table 2. To be buried at least 18 in. from meter base and 8 ft. deep. Reference NEC 250.56 for resistance levels. 2 Grounds are required. See NEC code for separation dist. |
| M | Water tight connectors | Connects the conduit to the electrical panels |

| | | | | |
|--|------------------------------|--------------------|------------------------------------|------------------|
| Designed (Modified) by: Kevin Hagan | Checked by: Chad Mashburn | Approved by - date | Filename: 200AmpPed_MB_Disc.dwg | Date 4/9/2025 |
|--|------------------------------|--------------------|------------------------------------|------------------|

Jackson Energy Cooperative

115 Jackson Energy Lane McKee, Ky 40447
ph. 606-364-1000 fax. 606-364-1007

Title/Name

200 Amp Meter Pedestal
with Meter Base and Disconnet

Drawing number

Edition

Sheet 1 of 1