



Dixie Power Service Standards – Effective April 24, 2018

- IMC Pipe is required six inches below ground level and up to the meter base on exposed service entrance conduits. Pipe wrap with mechanical coupling required on joints.
- Stand-alone meter pedestals shall be mounted on minimum 2" IMC conduit cemented in.
- 2" Schedule 40 PVC required below ground for all 200 Amp and smaller services. 3" Schedule 40 PVC required below ground above 200 Amp.
- Secondary and Service trench minimum of 30" depth.
- 6" concrete cap required over all conductor in conduit if 30" depth cannot be met.
- PVC conduit terminating in Junction boxes and transformer pads must be extended approximately 4" above the base of the pad at a 45 degree angle, and beveled at the conduit/elbow edge.
- A maximum of 4 - 90 degree elbows will be used on underground service wire in conduit.
- No service wire will be connected to the meter panel that does not meet the minimum conductor size required for service size and conductor length according to the tables below:
 - 4/0 URDT – 150' max on 200 Amp Service
 - 350 URDT – greater than 150' but less than 200' on 200 Amp Service
 - 350 URDT – 150' max on 400 Amp Service
- Natural Gas pipe must maintain 12" vertical separation or greater on all crossings over a power trench. The spacing between Natural Gas pipe and power conductor must be 5' or greater in a common trench.
- All subdivision lots are designed for up to a 200 amp service. If in the case there is a request for a service larger than 200 amps, the contractor/homeowner must contact Dixie Power Engineering for an evaluation of the existing system.
- Residential meters shall be placed on the outside of any structure and always accessible to cooperative personnel. Meter height must be no more than six feet high to the top of the main panel at final landscaped grade.
- The grounding electrode system shall include at least one 5/8" x 8-foot ground rod electrode. This ground rod shall be bonded to any other ground to form a grounding electrode system.

Additional requirements:

- Dixie Power will supply a Pass/Fail tag on all trench inspections. It is the responsibility of the contractor to have a "Pass" tag before backfilling any portion of the trench. If the trench is backfilled prior to receiving a trench inspection, owners shall pothole and verify all conduit depths at their expense.
- Electrical contractor must call Dixie Power office with proper address and/or lot number requesting trench inspections and service connections in order to schedule service technician to respond to request.
- Any damage to Dixie Power equipment shall be billable to the contractor requesting service.