



**City of La Grange  
155 E Colorado St.  
La Grange TX 78945  
979-968-5805**

## Meter Loop Specifications

The City of La Grange follows the NEC 2005 edition

The City of La Grange will provide the correct meter socket for any permanent meter loop in our service area. The city will not provide the sockets for temporary meter loops.

### ❖ Overhead Meter Service

- Meter socket must be between 4 feet and 6 feet above natural ground
  - Meter loop weather head must be connected to 2inch rigid galvanized pipe riser and no other material is accepted.
  - Meter socket must be bonded to exterior main disconnect by a minimum of a #6 copper wire.
  - Meter loop must also contain an exterior main disconnect in an exterior rated panel.
  - Panel must be sized properly to the calculated load.
  - Panel must be properly grounded; ground conductor protected in either PVC conduit or bonded EMT.
  - Metallic buildings must be bonded into the ground system as well as metallic water piping.
  - Riser must be clamped every 4 feet.
  - No ground wire to weather head.
  - If weather head/riser penetrates roof, it must do so by a minimum of 18 inches. A maximum of 36 inches before a support anchor/guy must also be attached.
  - There are existing services where the riser pipe contains both line and load wires. We do not allow line and load to be in the same riser, and when these services are replaced they will no longer be allowed to be wired in that manner.
  - Drip loop/lowest part of line must clear 10 feet if over residential sidewalk/yards.
  - Drip loop/lowest part of line must clear 12 feet if over residential driveways.
  - Drip loop/lowest part of line must clear 15 feet if over 300 Volts.
  - Drip loop/lowest part of line must clear 18 feet if over public streets.
  - Drip loop/lowest part of line must clear 23 feet if over Highway 77, Highway 71, or Highway 159.
  - Meter poles for height clearance of up to 18 feet must be a minimum of a 30 foot pole. Taller poles may be used.
  - Meter poles for a height clearance of up to 23 feet must be a minimum of a 35 foot pole. Taller poles may be used.
- ❖ If there is a line extension fee, this must be paid to the City of La Grange Utilities department before we will commence work on the extension.

### ❖ Underground Meter Service

- Meter socket must be located on the left side; exterior panel must be located only to the right of the meter socket. (as you look at the service on the wall)
- Panel must be exterior rated with the main disconnect on the exterior.
- Line and load wires cannot cross in the meter socket.
- All other applicable parts in reference to grounding, wire sizing, main sizing etc... still apply.
- Underground pipe for a 125 amp or greater service must be 3 inch pipe unless otherwise approved by the City Electrical Department.
- Underground service wires must be installed inside a minimum of PVC conduit, with at least 18 inches minimum cover.
- Underground service wire that goes under a driveway must be installed in a minimum of PVC conduit with at least 24 inches minimum cover.

- The riser or sweep out of the ground next to an approved city located pole must remain 1 foot off the existing pole.
- The pipe must contain the correct length of copper wire for the application, as approved by the City Electrical Department.

❖ **General**

- All residences must have an exterior main disconnect on the exterior of the house with a meter, in exterior rated panels.
- All disconnected exterior buildings must have an exterior main disconnect, in an exterior rated panel.
- Only mobile homes in licensed parks are allowed to be connected to a pedestal. Mobile homes **not** in licensed parks and on private property must have the meter loop attached to the structure’s exterior wall, including an exterior main disconnect.
- All wiring leaving the initial main disconnect must be 4 wire.
- No meter loops may be connected to any La Grange Utilities property.
- Minimum service size is 125 amps.
- Location of **ANY** service must be confirmed by the electrical department representative before installation.
- If the meter is required to be CT metered due to consumption, please contact the electrical department for further instructions. Contact Information is listed below.
- All services/wiring must be permitted, inspected and paid for before any connection to power will be done by the electrical department. All electrical work is required to be performed by a State of Texas licensed Master electrician unless the homeowner applies to do the work **ONLY** on their homesteaded house, and proves capable of correctly and safely performing the work in the opinion of the City.

❖ **Minimum Wire Sizes**

- 125 amp                      #2 copper
- 150 amp                      #1 copper
- 200 amp                      #2/0 copper

- ❖ No aluminum wire is allowed in the City of La Grange per the City of La Grange Electric Department.
- ❖ After the meter loop is installed and inspected, and prior to the City connecting power to the meter loop, you must contact the La Grange Utilities office to make service application and pay all applicable fees. Power will be connected only after all bills are paid.
- ❖ Contact the City of La Grange Electric Department at 979-968-3638 for location approvals and any questions on wiring from city lines to the overhead weather head or from city lines to the underground connection provided by you licensed master electrician.
- ❖ Contact the Building Inspector at 979-968-5805 for any questions on wiring and code from the overhead weather head or the pole connection to the underground run, and onward to final terminations.
- ❖ Contact La Grange Utilities at 979-968-3127 for any questions on fees for line extensions, connection fees, and deposit or billing questions.
- ❖ For any additional information, contact the City Utilities Manager’s office at 979-968-3127.