

## CITY OF FLORA

### ELECTRIC SERVICE GUIDELINES

#### 1. New Installation

- A. Minimum 100 AMP Service with minimum conductor Size of #2 stranded copper or #1 stranded aluminum with neutral
- B. 200 AMP Service requires 3/0 stranded copper or 4/0 stranded aluminum with neutral.
- C. Three (3) single wires in conduit.
- D. Install GEC minimum 8 AWG for 100 AMP service must be protected in conduit, 6 AWG for 200 AMP service, run directly from neutral bar in meter can to the ground rod per section 250.53 of the 08 NEC.
- E. Ground rod driven flush & minimum eight (8) ft. deep. Unlisted ground rods minimum 5/8 in diameter. Listed rods minimum 1/2 in diameter per section 250.52 & 250.53 of the 08 NEC.
- F. Maximum rod resistance 25 ohms or install 2<sup>nd</sup> rod minimum six (6) feet from 1<sup>st</sup> and bond 2 rods together. Per section 250.56 of the 08 NEC.
- G. Breaker to be installed before going underground.
- H. Breaker to be installed inside of house not to be more than eight (8) feet from meter.
- I. All services will have minimum two (2) inch galvanized/steel conduit when extending through the roof or a clevis through the wall to attach the service drop. Three (3) single wires in conduit.
- J. Ten (10) feet minimum clearance above grade from bottom of drip loop Per section 230.24B of the 08 NEC.
- K. Minimum of 18 in of conductor at weather head.

- 2. **The city will furnish and set all poles.**
- 3. **Location of the Service Entrance must be approved by the City prior to installation.**
- 4. **Property owner will furnish meter loop, after meter loop has been installed, inspected and approved the city will connect the service to the weather head.**
- 5. **All new services will be installed with socket type meter bases.**
- 6. **Your service will be inspected and approved by the City of Flora Electric Department before electrical service will be connected. Call 618-662-8313 to schedule your inspection and hookup.**