

GILES COUNTY MANUFACTURED HOME SETUP

ELECTRICAL SYSTEMS

Power Pole

A treated 6" to 8" in diameter (no less than 6") can be used for electrical service. This pole shall clear the manufactured home roof by at least 3' after it is set.

Set the pole about 3' to 6' from the point of entry for the service entrance cable or power cord to the manufactured home (this is a suggested distance only, the owner may wish to have the pole further away from the manufactured home, but it can be NO closer than 3').

METER BASE AND DISCONNECT BOX

A meter base and fused disconnect switch or disconnect device of the proper size can be mounted on a board base and secured to the pole. The meter base can be mounted above the disconnect switch or device at approximately eye level.

The disconnect switch or device to be mounted on the pole shall be of the same ampere rating as the fuse or breaker panel located within the manufactured home and shall have a weather proof enclosure.

The Power Company will furnish the meter base.

SERVICE ENTRANCE CABLE

The owner must furnish the service entrance wire from the top of the pole to the distribution panel inside the manufactured home.

A manufactured home service shall be wired with the proper size service cable according to the ampere rating of the service panel in the manufactured home, and also according to the tables 310-13 thru 310-15 in the National Electric Code (NEC), which gives the ampacities and wire sizes of insulated copper and aluminum conductors. There is a fourth wire that is required on all manufactured homes for grounding. EXAMPLE FOR 200 AMP MANUFACTURED HOME: Service entrance cable shall be 4 wire (2 carrier lines, 1 neutral line, and 1 ground line) from the disconnect switch to the electrical panel in the manufactured home. The entrance cable will normally be a 4/0 – carrier, 4/0 – carrier, 2/0 – neutral and No. 2 ground for a 200 amp manufactured home.

The service entrance cable shall be strapped to the service pole at least three times; and connected to the meter base with a weather tight connection.



RIGID CONDUIT

Rigid conduit is required from the disconnect box down the service pole into the ground; and may be omitted from the ground to the manufactured home if underpinning is used.

GROUNDING

The disconnect on the pole must be grounded to a ground rod driven into the ground suitable soil. If the soil is very rocky, the ground rod shall be laid in a trench 30" deep. The ground rod shall be made of 5/8" galvanized or 1/2" copper clad rod 8' long, or a 3/4" i.p.s. galvanized water pipe 10' long.

Other methods of electrical setup are allowed if they meet the National Electric Code (NEC) standards. You CANNOT hook a manufactured home's power up to an existing system, such as a nearby house.

You will need to make arrangements with the power company for hookup. When your manufactured home is approved for power, we will turn in an inspection approval to the power company, and they will place you on their work schedule for hook up. You will need to contact them to find out your appointment time.

SEWER LINES

Sewer lines, if of plastic type ABS or PVC, shall be schedule 40 DWV. Any other Sewer lines approved material can be used. However, ABS (black) and PVC (white) plastic pipe CANNOT be mixed in the same system.

An approved adapter shall be required where connected to the sewer or septic tank lines.

The main 3" sewer line shall have a 1/4" fall for every 1' from the manufactured home to the sewer or septic tank and shall be properly anchored.

A 3" cleanout plug is required at the back of the sewer system in the main 3" line.