

# **FAIRVIEW CITY POWER SERVICE INSTALLATION SPECIFICATIONS**

\*The customer is responsible to adhere to the following specifications as well as those of Sanpete County before a permanent connection is granted.

\*No secondary service will exceed 300 feet from transformer.

## **METER BASE INSTALLATION**

\*The meter base will be provided, installed and maintained by the customer.

\*The meter base location must be **approved** by the City Electrical Dept. before construction commences. The meter base shall be located on the front half of the building on the side closest to the power pole or box. All residential meter bases must be attached to a building or structure.

\*The meter base shall be a minimum of 5 ft. and a maximum of 6 ft. from finished grade.

\*The meter base will be of the type that the main disconnect is located directly adjacent to the meter base itself.

\*Any services above 200 Amp will be required to contact Fairview City Power Dept. prior to any work done.

\*The meter base shall be grounded to a minimum of 10 ft. of metal water pipe or a grounding ring installed in the foundation as well as one 8' ground rod all attached by no. 6 AWG copper wire.

## **OVERHEAD HOOK-UP TO 200 AMP**

\*The customer shall provide a 2 1/2" rigid galvanized schedule 40 service mast and weather head, with at least 2 ft. of wire outside of weather head.

\*The service mast must be solidly supported. The meter base is not to be used as a means of support.

\*The service mast must extend 24" to 36 " above the roof itself.

\*The City will install wire from the pole to the service mast with the cost going to the customer.

\*Any services above 200 Amp will be required to contact Fairview City Power Dept. prior to any work being done.

## **UNDERGROUND HOOK-UP**

\*The trench from the pole to the meter base shall be a minimum of 24" deep. The customer has the option to dig the trench which is subject to inspection by Fairview City Power Dept. or to make arrangement to have the trench dug by Fairview City.

\*The customer must provide rigid metal conduit and an electrical 90° elbow, sized according to the service, to the bottom of the trench.

### **NOTES:**

1. Underground lines shall be bedded in sand 6" minimum below and 12" above line minimum
2. Primary line trenches will need to be 3' deep.

## PRIMARY LINES

\*Fairview City has the option whether to do work on primary line extension or having customer sub-contract out the primary line extensions.

\*Fairview City will review and approve plans before any work is started. Fairview City will inspect primary line before it is backfilled upon completion. Work will be installed to Fairview City's standards before line will be energized.(NO EXCEPTIONS)

\*Fairview City will do all final connections

\*Fairview City will not allow any splicing of wire at any point of installation.(NO EXCEPTIONS)

## UNDERGROUND

\*There will be no section greater than 450' without a sectionalizer or transformer.

\*Primary lines will have at least a 1/0 underground wire 15 kV and shall be enclosed in 2 ½ PVC conduit.

\*There will be no splicing of wire at any point in sections.

\*There will be a minimum of 5' of wire extending out at finish grade locations where sectionalizers and transformers are going to be located. If wire is shorted the whole line will have to be replaced.(NO EXCEPTIONS)

\*Where riser poles are to be placed there will be a minimum of 35' of underground wire protruding from base of power pole. Also installer will have installed a 2 ½" IMC/Ridged elbow and the first 10' length of IMC or Ridged starting up the power pole. Conduit will be mounted on power pole by using two 6" stand off bracket and unistruts and clamps.

\*It is not Fairview City's responsibility to check work ethics of contractors. If anyone has any questions on installation of electric system. Fairview City's #427-3858, don't hesitate to call we will be more than happy to help you with your questions. Having to redo system could be costly, if not done right the first time.

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- \*The rigid conduit must be anchored to the foundation in at least two places.
  - \*Fairview City will install conduit from the pole or box to the 90 and wire from the pole or box to the meter base with the cost going to the customer.

### **TEMPORARY INSTALLATIONS**

\*A temporary meter base installed by the customer must satisfy Sanpete County Electrical Code and be inspected and approved by the County Building Inspector before it will be connected.

(Note: This does require a County Permit.)

\*A City temporary meter based installed by Fairview City Power Dept. will not be subject to County inspection and does not required a permit.

\*Temporary meter base placement will be determined by and must be approved by the Fairview City Power Dept. before any installation is to be made.

**IN ALL CASES THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE WILL BE ADHERED TO.**

For more information on building electrical code requirements please contact the Sanpete County Building Dept. @ (435) 835-2113.

For questions about power connections on the Fairview City Power System please contact the City Hall @ (435) 427-3858 or fax your questions to (435) 427-3275.

