**BEAVERFORK PUBLIC WATER AUTHORITY**

2 VALLEY RIDGE ROAD

CONWAY, AR 72032

501.329.4200 ~ FAX: 501.329.2898

**WATER SERVICE INSTALLATION AND INSPECTION**

***DO NOT COVER THE PIPING AND/OR THE CONNECTION MATERIAL BEFORE YOU HAVE OBTAINED APPROVAL TO DO SO FROM THE BEAVERFORK PUBLIC WATER AUTHORITY INSPECTOR.***

***New Construction Temporary Service: With advance approval of Beaverfork Public Water Authority, a meter can be installed at the location of new residential or commercial construction before all plumbing has been installed. We will place a meter in the meter box after we receive notice that the customer box, shut-off valve, pressure regulator and frost-free faucet/hydrant have all been installed. The faucet will be removed when the permanent service line is completed and passes inspection.***

Beaverfork Public Water Authority follows the requirements as set forth by the Arkansas Health Department Regulations and are summarized below:

1. The regulations apply to all new work, including the service line from the water meter to the residence or building. Beaverfork Public Water Authority is responsible for insuring compliance with the codes for all plumbing work for all premises that are, or may be, connected to the Beaverfork Public Water Authority water system.
2. Any person performing plumbing work must be licensed by the Arkansas Department of Health. Exception: a homeowner may do plumbing at his own residence, provided a permit is obtained, the work is installed in accordance with the plumbing codes, and the work is inspected by a certified plumbing inspector.
3. The piping used for the service line must be approved for potable water and be rated for 160 psi working pressure. Approved piping materials are brass, ductile iron, copper, PVC and polyethylene. It is recommended 1” or larger service piping for runs longer than 75’. The service line must be buried deep enough to prevent freezing and damage. The Arkansas Health Department’s rule is at least 18” deep. **Do not cover the pipe and connections until you have obtained approval from Beaverfork PWA's Inspector.**
4. If the service is going from well to Beaverfork water, the well must be physically and completely disconnected from the residential water pipe. Wells may continue to be used for other purposes. The new service line must also be tested for leaks, using water from the meter or air pressure.
5. Each building that has residential plumbing must have a separate sewer or septic system and separate water meter and service line.
6. There must be a shutoff valve on the service line adjacent to the meter. If you have a long service line, you may wish to install a valve at each end so that leaks can be more easily isolated. The meter box discharge fitting is brass, ¾ inch, female tapered pipe thread. Customers must install pressure regulators where service pressure is more than 75 psi. Valves and pressure regulators must be installed in boxes.
7. All faucets connecting to hoses that may be submerged, such as those used to fill tanks or swimming pools, must have vacuum breakers.
8. If you have a swimming pool or sprinkler system, you must have a backflow prevention valve installed. All businesses and churches must have these valves. There are also special backflow prevention requirements for freeze proof yard hydrants,
9. All water heaters must have a temperature and pressure relief valve with metallic piping leading to a proper drain or an outside discharge.

**CHECKLIST FOR SERVICE LINE INSTALLATION**

* **Obtain a permit from Beaverfork Public Water Authority Office.**
* **Install, or have a licensed master plumber install the valve(s), pressure reducer, piping and any required backflow equipment.**
* **Do not cover the work until you have approval from Beaverfork Public Water Authority Inspector.**
* **Call Beaverfork PWA office at 501.329.4200 to schedule and inspection.**
* **Your meter will be installed in the meter box once the final inspection is complete.**

**INSTALLATION OF CUSTOMER BOX & CONNECTION FROM METER TO BUILDING**

Beaverfork Public Water Authority requires the following materials for installation of water lines from meter to building.

* Schedule 40 PVC pipe, minimum size ¾ inch.
* Brass shutoff valve installed at meter.
* A regulator will be installed adjacent to valve unless approved by Beaverfork PWA to not install one.
* Brass nipples will be used to connect valve and regulator to meter box.
* No connections with male PVC threads shall be used.
* Mobile homes shall have a check valve installed in line.
* A plastic or metal box shall be used to enclose the gate valve and regulator.

Each customer box should include and be installed in this order, from the meter box to the building:

* 6” brass nipple that connects with a compression or female PVC fitting to the meter box.
* Brass union that connects to the 6” brass nipple with a compression or female PVC fitting.
* Brass gate valve that connects to the brass nipple with a compression or female PVC fitting.
* 6” brass nipple that connects to the brass gate valve and regulator with a compression or female PVC fitting.
* Compression or female PVC fitting that connects to the regulator and water service line to the building.

***See example below***