

## **SYNOPSIS OF RULES & REGULATIONS REGARDING NEW SERVICE LINE & METER INSTALLATIONS**

The service line shall be 1" K copper buried at least 42" and installed in a straight line at a right angle to the street with a 12" crimped stub exposed at the street end. If a right angle cannot be achieved, the service is in excess of 200' or the contractor wishes to use other than K copper, a meter pit specified by the Authority must be installed at the owner's cost. Please contact the Authority for details. No unions will be permitted on the service line for lengths less than 100' or increments of 100'. Only flare fittings are permitted and are subject to a pressure test with a suitable gauge. The Authority will connect and test the service after it is installed and approved prior to being tapped. If the service enters the front wall, the service shall be sleeved through the wall with a minimum of 1½" PVC. The PVC sleeve shall extend a minimum of 5' from the exterior wall. A 1½" fernco fitting with stainless steel bands or a quest nut capable of being sealed on both ends are permitted. Because of the possibility of corrosion due to dissimilar metals, the Authority recommends that the quest nut method be utilized. Where the service passes under a driveway or is in proximity to unsuitable material (as determined by the Authority), it shall be sleeved with a minimum of PVC or ABS schedule 40. If the service does not enter the structure on the front wall, because of grade considerations or some other reason, it shall be placed in a minimum of a 3" solid sleeve (PVC or ABS) with horizontal bends to be no greater than 22 degrees. Long radius elbows will be utilized under the floor with and shall be sealed at the floor penetration and outside the building. Should the contractor have any questions or concerns regarding the service line entering the structure or meter placement, please consult the Water Authority. Water meters shall not be set in crawl spaces or under stairways and must be in an area where they are easily accessible. No kinked or dented copper will be permitted. The service shall not be laid in a common trench and a minimum 3' horizontal separation from other utilities will be required.

The service must be inspected prior to backfilling and with a minimum of 24 hours notice to the Authority. The first inspection is included in the tap fee with all others being billed to the owner/builder. The trench shall be free of all miscellaneous construction debris and shall be backfilled within 48 hours of passing the inspection. The Authority has 30 calendar days from the date of the service installation or payment of the tap fee whichever is later to perform its work.

For standard residential water use, the Authority will install a 5/8" x ¾" meter with a 12½" spread. The Authority requires that the interior plumbing consist of a 1" flared by ¾" male iron pipe thread angle coupling with a ¾" female x female ball valve screwed directly onto the coupling.

In areas where the line pressure is greater than 150 PSI, a pressure regulator will be installed directly after the ball valve and before the meter. The pressure regulator will be a female x female with no union connections. A Watts #7 dual check will be installed after the meter with a ¾" ball valve immediately after the dual check. The meter tailpieces will not be installed directly into the dual check.

In instances where the pressure is less than 150 PSI, the pressure regulator will be installed immediately after the dual check. A ball valve will be installed immediately after the pressure regulator. The piping assemblies in all cases will be properly supported and anchored to the wall. The meter assembly shall be installed 6" from the face of the wall and a minimum of 12" from the floor and in no cases to exceed 48" above the floor. It is the owner/builders responsibility to notify the Water Authority that the internal plumbing is ready to have the water meter installed. Any water use including use for testing the plumbing, without a water meter will be considered tampering and be subject to a \$500.00 tampering fee. Service billing will begin once the water meter is set. Should construction water be needed sooner, arrangements can be made to have the tap and meter installed with proper protection against the weather. Please call the Authority for additional details.

For commercial establishments, the Authority reserves the right to require that a reduced pressure backflow preventer be installed instead of a dual check. The Water Authority strongly recommends that a thermal expansion tank be installed by the owner for all new customers. The backflow preventer that the owner is required to install causes a closed system within the home. As water is heated in the hot water tank expansion occurs that may activate the relief valve on the hot water tank. The thermal expansion tank, if installed properly, will absorb the expansion eliminating the problem.