

**Washington Water Authority**  
**A Project of the Rural Development Authority**

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**Requirements and Recommendations for Water Services**

1. All plumbing must be installed by a licensed master plumber in the State of Arkansas. **A homeowner may complete their own plumbing if they occupy the structure as their primary residence.** WWA will have final determination if a licensed plumber is required.
2. Yard services lines shall be buried at least 24 inches deep to stay below the frost line.
3. Minimum yard service line shall be 1 inch of Schedule 40, SDR 9 HDPE, SDR 17, or Type "K" Rolled Copper. Line pressure class shall be rated to carry a minimum design pressure capacity of 200 pounds per square inch of pressure. **SDR 21 PVC pipe is only design rated for 125 psi and will not be allowed.**
4. All Service lines shall be installed with tracer wire. Tracer wire shall be #12 or #14 Solid Copper wire.
5. All services shall have a pressure regulator installed before the first branch. **A threaded shut off valve shall be installed directly to the threaded brass nipple supplied by the water system.** This valve is required for customer access to shut off their water service, at their convenience. The valve shall be covered with a box large enough for the customer to easily access, similar to the meter box being connected to. The box shall not be a piece of pipe or other similar make shift device. The WWA=s valves, installed with the meter service, **are not** for use by the customer. All high pressure meter setters (Offset setters or as defined by the water system) shall be required to have a pressure regulator installed just past the shut off valve (that is screwed directly to the brass nipple) **AND** a pressure regulator installed at the house (Two regulators required for high pressure services).
6. All non-residential services shall have a RPZ (Reduced Pressure Zone) device installed downstream of the meter service. In the event a residence and a poultry house, for example, are connected to the same service, this requirement will apply.
7. If the yard service line is longer than 200 feet, we recommend, but do not require, that you install a shut off (isolation) valve every 200 feet or so, to isolate any leak that may occur within your plumbing system.
8. All structures containing a water heater shall have a Thermal Expansion Tank or Thermal Expansion Valve installed correctly upon inspection, in accordance with Sections 607.3, 607.3.1, and 607.3.2 of the Arkansas State Plumbing Code, including structures that are switching water service from a well to the public water system.
9. Homes or properties receiving new meter services shall have a waste disposal system in accordance with the Arkansas Department of Health Regulations, enforced through the appropriate County Health Unit, or a letter of exemption must be supplied. A copy of the septic system design and permit for operation shall be filed with the WWA by the customer requesting service at the time of application for service.
10. All plumbing, and those items stated above, shall be installed in accordance with the Arkansas Plumbing Code. All work shall be inspected by the Inspectors of the Washington Water Authority before any line is covered up.
11. All yard hydrants connected to the public water supply shall have a dual check valve assembly installed upstream of the hydrant.
12. Only one (1) residence is allowed to connect to each meter service.

These requirements are subject to change at any time

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