

Brown County Rural Water Association

Residential water service connection instructions.

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Instructions for the proper connection of a residential water service to the Brown County Rural Water Association water system:

- The material used for the customer installed service line must be approved by the “*NATIONAL SANITATION FOUNDATION*” (NSF). It must be rated for a working pressure of at least one hundred sixty pounds per square inch (160 Psi.). It is recommended to be buried at least thirty inches deep (30”).
- When the meter vault is installed by Brown County Rural Water Association a three to five foot (3-5’) piece of one inch copper tube size (1”CTS) polyethylene will be installed on the customer side of the meter (this is commonly referred to as the “pigtail”). This will be taped closed and brought to the surface. It is to this that the customer installed service line is to be connected. It may be shortened but must have a minimum of two feet from the vault left when connected. At no time should this to be removed and the customer’s service line taken directly to the meter setter. It is recommended that a brass compression fitting is used at this connection. This connection needs no inspection by Brown County Rural Water Association and cannot be made by Brown County Rural Water Association employees.
- A shut off valve, pressure reducing valve and a dual check valve must be installed before the first point of use in a residence; this may be in the utility room, basement, crawlspace or in a vault outside. These fittings must be inspected before the water service is turned on and they must remain accessible even after initial inspection for any future inspections. If installed in a crawl space it must be within three feet (3’) of an access door. The shut off valve must be installed first from the service line and it is recommended that the pressure reducing valve be installed next then the dual check valve (this makes servicing the pressure reducing valve in the future easier).
- If a frost free hydrant is installed before a dwelling or is the only installation it must have a shut off valve and a dual check valve installed in an accessible pit before the hydrant. These fittings must be inspected before the water service is turned on and remain accessible for any future inspections.
- The Ohio Environmental Protection Agency (OEPA) and the Ohio State Plumbing Code prohibits the cross connection of a public water system (Brown County Rural Water Association) with a private supply (well, cistern, spring or other). There must be no physical connection between the public water system and any private system. If there is a private water supply on the property this separation must be inspected before the water service is turned on.
- The water service must be connected to the required fittings and inspected before it can be unlocked and turned on. Please contact Brown County Rural Water Association Monday thru Friday between 8:30 am and 4:00 pm at (937) 375 – 4106 to schedule an inspection. The inspection can be scheduled for between 8:30am and 12:00pm or 1:00pm to 4:00pm only. All required fittings must be accessible. This inspection is required for the water service to be turned on but does not imply approval from any other required agency or inspector.

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- The water meter must be kept accessible at all times. Brown County Rural Water Association utilizes electronic meter reading equipment. Therefore the meter vault and lid must be protected from physical damage. If there is physical damage to the electronic equipment, you will be responsible for the replacement cost which is \$200.00.
- Any new dwelling or connection connected to a previously approved water service will require inspection.
- Any change in type of use such as residential to commercial or agricultural will require a new inspection.
- There are no fees for inspections.

TYPICAL RESIDENTIAL INSTALLATION (SEE DETAIL SHEET FOR MORE DETAIL):

