Backflow prevention assemblies shall be installed so that the inlet shut-off valve of the Backflow preventer is the next piped fitting (including piping) after the water meter, except where a meter bypass, limited area fire system or strainer is needed.

Where the meter is located in the pit and the backflow preventer has been approved to be installed in the building, the backflow assembly inlet valve shall be twelve (12) inches from the floor or immediately after the ninety degree bend where the supply enters the floor.

All assemblies are to be installed in a horizontal orientation.

Minimum and maximum ground clearance is measured from the floor to the lowest part of the assembly.

Each installation shall include properly located test cocks and manufacturer approved tightly closing shutoff valves.

No backflow prevention assembly shall be subject to excessive heat or freezing.

It is recommended that a floor drain be installed as close as possible to the assembly.

Reduced pressure principal backflow assemblies shall not be installed in a pit, vault or any area subject to flooding and shall always have an approved air gap assembly.

Pressure vacuum breakers shall never be subject to back pressure and must be installed a minimum of 12” above the highest downstream discharge.

Lawn irrigation systems shall not have any outside exposed tees, drains or hose bibs.

Backflow prevention assemblies shall prevent the release of on-site pressure to the public distribution water system. Therefore internal compensation in accordance with the Ohio plumbing code shall be considered and made when needed, to relieve any excessive increase in on-site pressure due to hot water heating systems or other heat sources.

No backflow prevention assembly shall be bypassed unless the bypass line contains equal backflow protection and the approval of EHRWSD.

NOTE: If there is any reason any of these criteria cannot be met, you will need to contact EHRWSD at 740-474-3114.

Earnhart Hill Regional
Water and Sewer District
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BACKFLOW PREVENTER SETTING INSTALLATION RULES

Revised	Scale	Page	Drawing
05-24-07	None	1 of 1	D-29A