



41-00612

April 26, 1995

RESOLUTION NO. 1001

A RESOLUTION ADOPTING A CROSS-CONNECTION CONTROL POLICY FOR THE WATER COMPANY

WHEREAS, on January 7, 1994, the State of Oregon Health Division Drinking Water Department adopted regulations requiring all community water systems in Oregon to have active cross-connection control programs; and

WHEREAS, the **Parkdale Water Board** has reviewed this policy which authorizes discontinuing water service to premises for failure to install an approved backflow device or to conduct annual test on a backflow device; and

WHEREAS, the adoption of this policy appears to be in the best interest of the Company and its customers;

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF THE PARKDALE WATER COMPANY:

That the cross-connection control policy hereto attached is approved and adopted as the policy for all customers of the Parkdale Water Company.

ADOPTED BY THE BOARD THIS 26TH DAY OF APRIL, 1995

Ronald A. Phillips PRESIDENT

ATTEST:

BEVERLY BLUMENTHAL SECRETARY

APPROVED AS TO FORM:

Legal Counsel

CROSS-CONNECTION CONTROL POLICY

This cross-connection control program, in conjunction with the Uniform Plumbing Code Chapter 10, State of Oregon Administrative Rules for Public Water Systems Chapter 333-61-070 and the current edition of the Cross Connection Control Manual - Accepted Procedure and Practice (published by the Pacific Northwest Section, American Water Works Association) is instituted and enforced to protect the potability of water in the Parkdale Water Company distribution system.

All plumbing within a building served by the water company shall be so installed, and all plumbing fixtures so constructed, as to prevent pollution of water supply by back-siphonage or back-pressure of cross-connection. Water service to any premises known or found to have such defects and hazards shall be disconnected and not restored until such defects and hazards have been eliminated.

No physical connections shall be made between pipe lines, appurtenances and facilities carrying Parkdale water and any other water supply, whether public or private, without the written approval of the Company. The restriction applies to any District water supply whether located within, or on, public or private property.

Controlling and preventing cross-connections is accomplished by removing the cross-connection or, depending on the degree of hazard, establishing sufficient air gap, or installing an approved backflow prevention assembly device. Inspection and regulation of all actual, or potential, cross-connections between potable and non-potable systems is required to minimize the danger of contamination or pollution of the potable water supply.

Authorized employees of Parkdale Water Company with proper identification shall have the right, without being deemed guilty of trespass or unlawful act, to check the user premises for physical connections with other water supplies. Failure to immediately remove any such connections shall result in termination of water services to the premises.

All backflow prevention assemblies shall be models approved by the Oregon Health Division Drinking Water Department and shall be installed per Company standards.

All backflow prevention devices*, and air gaps installed in lieu of an approved backflow prevention assembly, must be tested upon installation prior to being put into service and annually thereafter. Results of all tests which must be conducted by Certified Cross-connection Control Testors, shall be submitted to Parkdale Water Company. Tests and inspections may be required on a more frequent basis at the discretion of the Parkdale Water Company. All costs for the testing, repair and maintenance of the backflow prevention assembly shall be the responsibility

All Parkdale Water Company users are required to comply with these regulations to eliminate or control all cross-connections throughout the Water Company. The owner of any property on which a cross-connection occurs is potentially liable for all damages to the Parkdale Water system caused by that cross-connection.

The Water Company's State-certified Cross-connection Control Inspector will enforce of this ordinance, the provisions of which may supersede State requirements but in no case shall be less stringent.

In accordance with the State of Oregon Administrative Rules Chapter 33-61-070, failure of the customer to cooperate in the installation, maintenance, repair, inspection or testing of cross-connection controls as required by this ordinance shall be grounds for termination of water services to the premises.

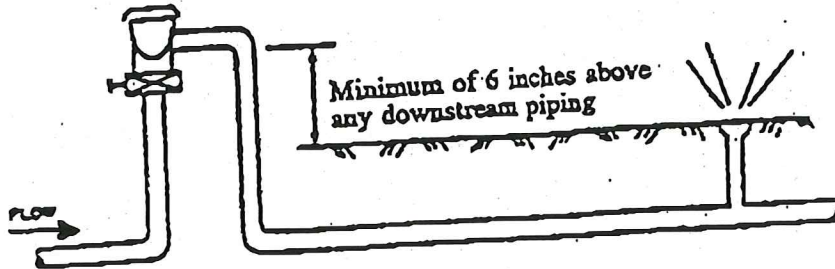
*Definitions:

RPBA - Reduced Pressure Backflow Assembly
RPDA -Reduced Pressure Detector Assembly
DCVA -Double Check Valve Assembly
DCDA -Double Check Detector Assembly
PVBA -Pressure Vacuum Breaker Assembly

FINAL RULE
1/7/94

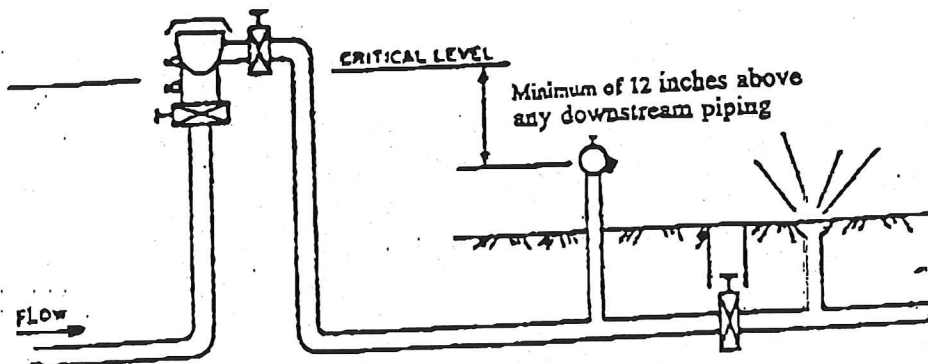
333-61-071 BACKFLOW DEVICE INSTALLATION STANDARDS

(1) TYPICAL INSTALLATION OF AN AVB



- NOTE:
1. Absolutely no means of shut-off on the downstream or discharge side of the vacuum breaker.
 2. For intermittent use only. Must not be pressurized for more than 12 hours in any 24 hour period.
 3. Shall not be subject to any backpressure.
 4. Shall not be installed in dusty or corrosive atmospheres.
 5. Shall not be installed where subject to flooding.
 6. Shall be installed a minimum of six inches above the highest downstream piping and/or outlets.

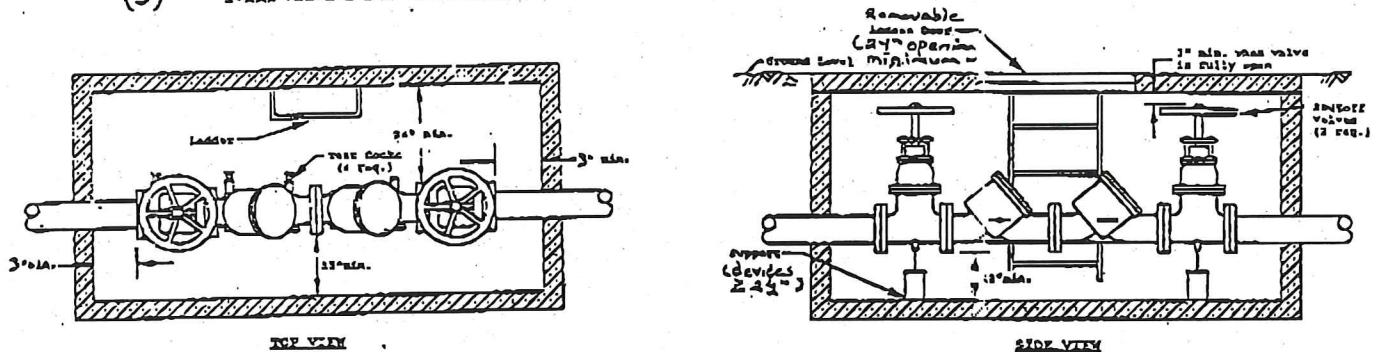
(2) TYPICAL INSTALLATION OF A PVB



- NOTE:
1. Downstream side of vacuum breaker may be maintained under pressure by a valve. But, there may be absolutely no means of

2. imposing backpressure by pump or other means.
3. PVBs are designed to protect against back siphonage only, not backpressure.
4. It shall be installed where occasional water discharge from the device caused by pressure fluctuations will not be objectionable.
5. Adequate spacing shall be available for maintenance and testing.
6. Shall not be subject to flooding.
7. Shall be installed a minimum of twelve inches above the highest downstream piping and/or outlets.

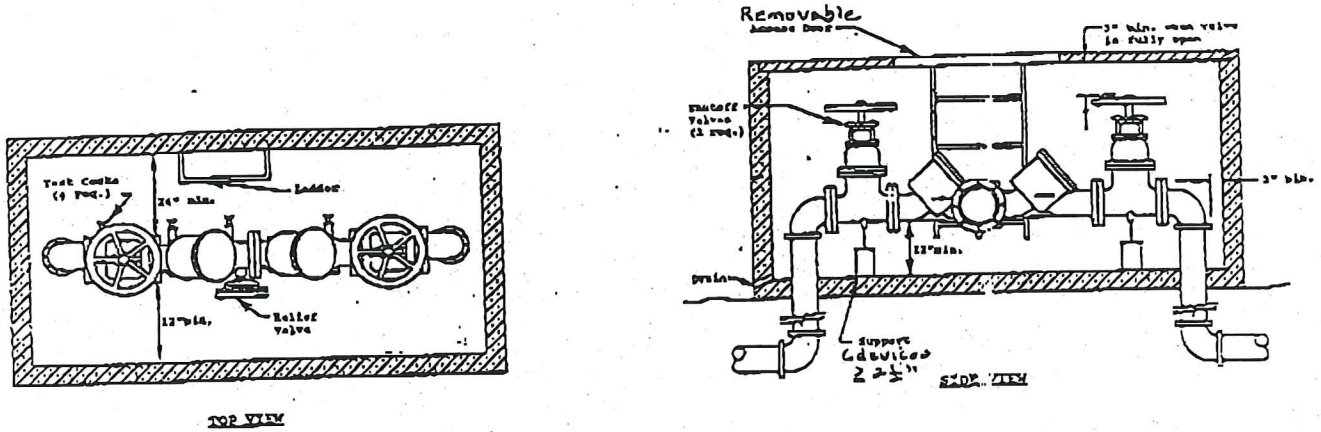
(3) MINIMUM CLEARANCE FOR DCVA INSTALLATION



NOTE:

1. Bottom and side clearances apply when devices are installed inside building.
2. DCVAs may be installed vertically as well as horizontally provided that the device assembly:
 - a. Is internally spring loaded -- not weighted checks.
 - b. Is 4 inches or smaller.
 - c. Is recommended by the manufacturer for vertical installation.
 - d. Has the normal flow upward.
3. DCVAs may be installed below grade in a vault provided plugs are installed in the test cocks, but the device shall not be subject to continuous immersion.
4. Maximum height of installation shall not exceed 5 feet for device assemblies unless there is a permanently installed platform meeting Occupational Safety and Health (OSHA) standards to facilitate servicing the device.
5. Minimum clearances for device assemblies 2 inches or smaller may be reduced provided that they are accessible for testing and repairing and approved by the water purveyor.
6. Adequate drainage must be provided except that the drain shall not be connected to a sanitary or storm water drain. Check with local utilities for requirements.

(4) MINIMUM CLEARANCE FOR RPBD INSTALLATION



- NOTE:
1. Bottom and side clearances apply when devices are installed inside building. Access doors may be provided on side of above-ground vault.
 2. RPBDs shall always be installed horizontally, never vertically.
 3. RPBDs shall always be installed above the 100 year (1%) flood level unless approved by the local authority.
 4. Relief valves shall never be extended or plugged.
 5. Protection from freezing should be provided.
 6. A provision for an air gapped drain shall be provided.
 7. RPBDs shall not be installed in an enclosed vault or box unless a bore-sighted drain to daylight is provided.
 8. Minimum clearances for device assemblies 2 inches or smaller may be reduced provided that they are accessible for testing and repairing and approved by the water surveyor.