

1) Where possible, backflow prevention devices shall be located within the building after but close to the meter. In certain cases, the device may be installed at alternate locations such as in an outdoor shelter (pre-fabricated or cast-in-place) or underground vault. Outdoor RPZ must be installed above ground. DCV may be installed below ground level in vaults designed to prevent flooding. For alternative installations direct inquiries to L&I or:

Philadelphia Water Department
 Bureau of Laboratory Services
 1500 E. Hunting Park Avenue
 Philadelphia, PA 19124-4941
 Attn: cross connection control
 Phone: 215-685-1419, 1420, or 1407

2) Refer to the Department's Meter Pit Standards for the design and installation to be made in meter (master) pits. For additional information, contact:

Water Main Records
 ARA Tower, Suite 200
 1101 Market Street
 Phila. PA 19107
 Phone: 215-685-6276

Meter Shop
 29th & Cambria Streets
 Phila. PA 19132
 Phone: 215-685-9642

3) Protect backflow prevention devices from freezing, flooding and vandalism. Access for routine testing and maintenance shall be provided.

4) Backflow prevention devices shall be equipped with proper resilient seated valves as described in the manual, Chapter 7.0. The installation of a strainer before the device is strongly recommended to prevent mechanical damage. Join backflow prevention devices to the service pipe with:

- unions (for devices 3/4" - 2")
- flanges (for devices 3" - 10")

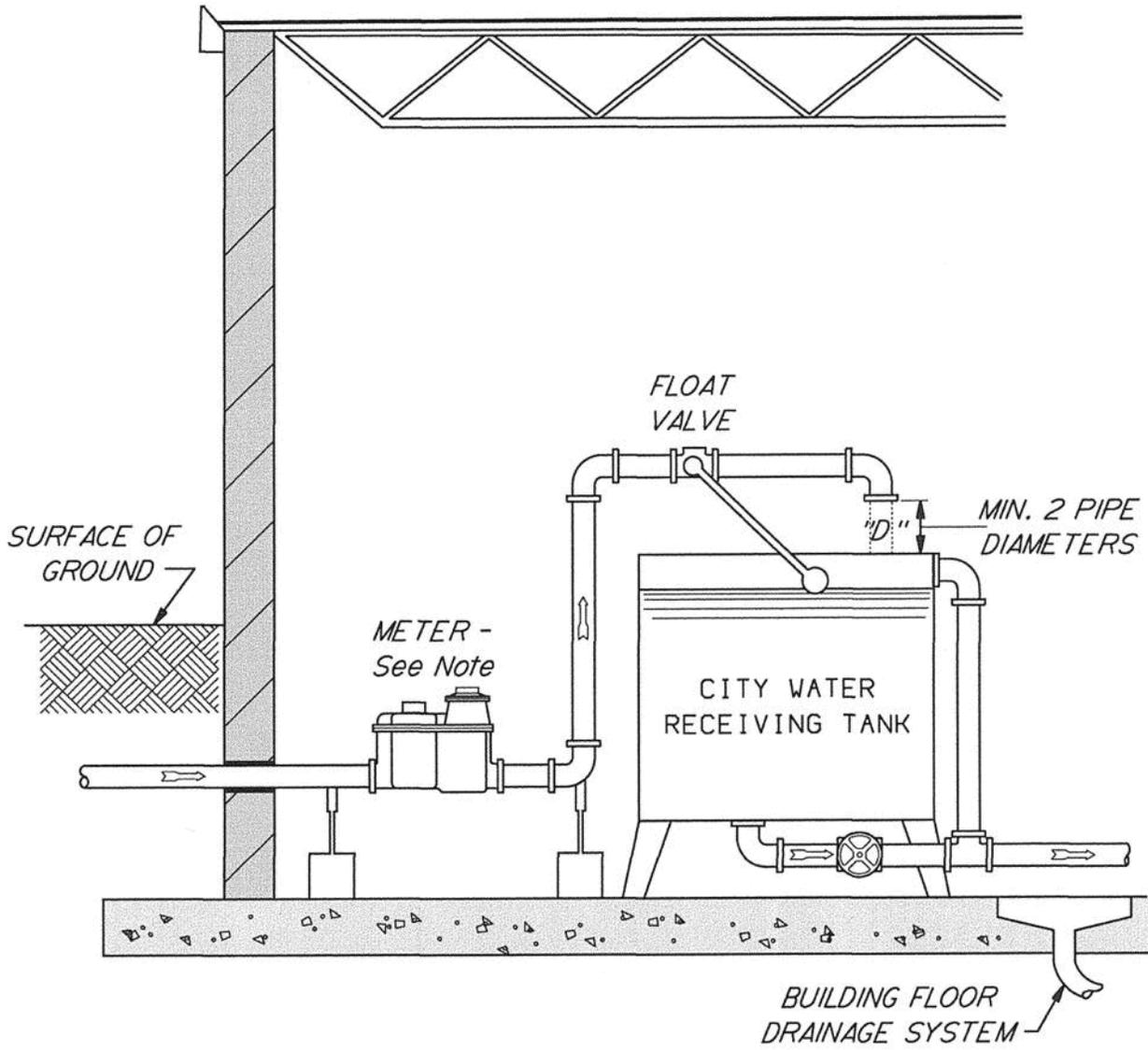
5) Install backflow prevention devices in horizontal position only unless the devices are approved for vertical orientation by the Water Department as indicated on the listing of Approved Backflow Prevention Devices. If parallel or by-pass installation is desired both lines shall be equipped with two same type backflow prevention devices. The combined hydraulic capacity of the parallel lines/devices shall be equal or greater than that of the line that is being subdivided.

6) Flush the system thoroughly after the installation to assure the removal of contaminants in the assembly.



GENERAL NOTES

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TYPICAL BUILDING SECTION

NOTE:

This Does NOT Represent Actual Meter Installation.
 Refer To Latest Water Department Meter Installation
 Standards.

INDOOR INSTALLATION

AIR-GAP SEPARATION



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