



- Ⓐ East Valley Water District will install and maintain service from the water main to the meter box.
- Ⓑ Consumer will install and maintain the service lateral from behind the meter box to the building, including the reduced pressure principle backflow prevention assembly.
- Ⓒ Reduced pressure principle backflow prevention assembly with resilient seated shut-off valves. Location of device is to be approved by the District.

NOTES:

1. The assembly must be inspected and approved by EVWD immediately after installation. The assembly must be tested by a certified backflow tester, issued by the administrative authority having jurisdiction.
2. No connections or tees are permitted between the meter and backflow preventer. Strainers will be reviewed on an individual basis.
3. Prior to installation of assembly, the water service shall be flushed.
4. A manifold connection with duplex units should be installed if an uninterrupted supply of water is necessary.
5. If needed, a pressure relief valve shall be installed after the backflow device, per section 1007 of the Uniform Plumbing Code.
6. Backflow device shall have a 18" clearance around all sides from any obstructions that may block or prohibit any maintenance or testing.

TYPICAL INSTALLATION OF REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY

REV: 3/30/2022 J.WOLF M:\ENGINEERING - SECURED\STANDARDS\DWG\2022 UPDATE\WATER\W-114 R.P.P.BACKFLOW DEVICE_2022.DWG



EAST VALLEY WATER DISTRICT, ENGINEERING DEPARTMENT

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APRIL 2022
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Last Reviewed: March 30, 2022

Guidelines for Backflow Installation and Requirements (Not Intended to be All-Inclusive)

The following guidelines were developed to assist in backflow installation:

- State of Policy: Pursuant to East Valley Water District Ordinance 9.01 the property owner will also be responsible for any testing or repair to the backflow assembly.
- All devices must be state approved and must meet University of Southern California, 9th Edition Specifications.
- All backflow assemblies installed for meter protection must be Reduced Pressure Principle (R.P.P) assemblies.
- Approval must be given by the East Valley Water District as to the location of the device to be installed prior to installation.
- East Valley Water District requires all backflow devices to be installed as close to the service meter as possible without interfering with any City right-of-ways such as sidewalks, etc.
- The relief valve must be installed with a minimum distance of twelve (12) inches to the final grade level. The height of the device must not exceed thirty-six (36) inches from final grade level. The device must be installed with a minimum distance of twenty-four (24) inches on the test cock side of the device and must have a total clearance on all sides of twelve (12) inches. The device must be accessible with easy access for testing.
- After installation, a certified backflow tester must test the backflow device. The paperwork must then be submitted to East Valley Water District prior to service being turned on.
- East Valley Water District's responsibility will be for repairs from the water main to the meter only.
- Attached to these guidelines you will receive an engineered drawing of a properly installed Reduced Pressure Principle (R.P.P.) backflow device.
- There must be a twenty-four (24) hour notice given to East Valley Water District prior to water service being turned on for backflow testing.

For questions regarding your backflow installation or testing of the device, contact East Valley Water District's Water Quality Coordinator at (909) 772-5154.

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