



ITEM	DESCRIPTION
①	Accepted backflow prevention assembly
②	Ball valve (customer service valve)
③	Service meter and meter box
④	Water main

**NOTES:**

1. The backflow preventer assembly shall consist of an approved Reduced Pressure or Double Check Valve in accordance with the GSWC Water Quality Department requirements. The assemblies shall be suitable for supply pressures.
2. A backflow preventer assembly for a fire service shall consist of an approved Reduced Pressure Principle Detector Assembly (RPDA) or Double Check Valve Detector Assembly (DCDA) in accordance with the GSWC water quality department requirements. The assemblies shall be suitable for supply pressure.
3. It is recommended that an angle style pressure reducing valve be installed on the upstream line of the backflow preventer when pressure in excess of 80 P.S.I. or more is supplied per section 608.2 of the Uniform Plumbing Code.
4. It is recommended that wye strainers be installed on the upstream side of the backflow preventer body. If required, a pressure regulator with a serviceable screen can be substituted for the wye strainer.
5. Location and installation shall be per plan as submitted to and accepted by GSWC.
6. It is recommended that all assemblies 2-1/2" and larger to be installed shall be equipped with resilient wedge gate valves.
7. Locate the assembly within 5 feet of customer service valve as possible. Other locations must be approved prior to installation.
8. Assemblies shall not be located in areas subject to flooding.
9. Only security enclosures providing adequate clearances and full view of assemblies are permitted.
10. Landscape or construction around assembly shall permit an unobstructed view of the assembly from the street.
11. Final inspection and acceptance test shall be provided to GSWC by the customer using a certified backflow tester.
12. No connections or tees are permitted between meter and backflow preventer.
13. It is recommended that sizes 3" and larger have additional pipe support.
14. It is recommended that the backflow assembly be the same size or one size larger than the meter.
15. Materials may be selected from the GSWC Potable Water Materials Guidelines.

<p>APPROVED BY: GSWC STANDARDS COMMITTEE</p> <p><i>Robert D. Hough</i> 01/16 EDC MANAGER DATE</p>	 <p><b>Golden State</b> Water Company A Subsidiary of American States Water Company</p>	<p>TITLE: <b>BACKFLOW PREVENTION ASSEMBLY OVERVIEW FOR ABOVE GROUND INSTALLATION</b></p> <table border="1"> <tr> <td>SCALE:</td> <td>DATE:</td> <td>REV</td> <td>STANDARD DWG NO.</td> </tr> <tr> <td>NONE</td> <td>01/16</td> <td>1.0</td> <td><b>P-35</b></td> </tr> </table>	SCALE:	DATE:	REV	STANDARD DWG NO.	NONE	01/16	1.0	<b>P-35</b>
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