

SECTION 5 - BACKFLOW PREVENTION

5-01 BACKFLOW PROTECTION

Designated water services connected to the public water system may be required to include an approved backflow prevention device of the type designated by the SBMWD. The type of device approved shall be based on the existing or potential degree or hazard which exists, in the opinion of the Utility. All devices shall be approved by the Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California, Los Angeles, CA 90089-2531.

The Developer or his Contractor shall be responsible for the installation, initial test, and certification of all new or relocated backflow prevention devices. Thereafter, backflow prevention devices will be maintained and tested annually by the owner or water user.

The backflow prevention device installation shall be above ground, screened from view as approved by the Utility, and shall conform to Sections 4-08, 4-09 and the Standard Drawings.

When an existing backflow prevention device that is located in public right-of-way needs to be replaced, the property owner shall be required to install the new device above ground on private property. Unless otherwise approved by the SBMWD, the entire section of piping between the water main and the new device shall be replaced with new pipe. In addition, design plans for the new device, and accompanying plan check and inspection fees shall be submitted to the SBMWD for review and approval in accordance with these specifications.

Backflow prevention devices shall be located above ground and as close as practical to the meter or to the street right-of-way line, and subject to approval by the SBMWD.

5-01.01 APPROVED MANUFACTURERS

Any backflow prevention devices approved by the Foundation for Cross-Connection Control and Hydraulic Research, University of Southern

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California, Los Angeles, CA 90089-2531, as shown on the latest edition of "List of Approved Backflow Prevention Assemblies".

5-02 FIRE LINE ASSEMBLY

All fire line assemblies shall require a detector meter and backflow protection as may be determined by the SBMWD. All fire lines shall be installed in conformance with the Standard Drawings. Vault installation of fire line assemblies is prohibited.

For assemblies that require a detector meter, the meter shall be 5/8 or 3/4 inch nominal size with bronze case and shall have a straight read magnetic drive register capable of detecting increments of consumptive use in hundred cubic foot increments.(X100)