

The following information has been adopted as City policy to effect the application of Merced City Code Section 15.32 (City Ordinance No. 1076, May 1, 1973) relating to the protection of the public water supply system of the City of Merced.

References: California Administrative Code (Title 17 - Public Health)
City of Merced Standard Designs W-8 and W-9
List of Approved Backflow Prevention Assemblies from
University of Southern California Foundation for Cross-Connection
Control and Hydraulic Research dated Jan. 14, 1985, or if revised,
the latest revision.
U.S. Environmental Protection Agency Manual #EPA-430/9-73-002

Information:

1. Backflow prevention assemblies shall have at least the same cross sectional area as the water meter. Where two or more such assemblies are installed in parallel, the sum of the cross section areas shall be at least equivalent to the cross sectional area of the water meter.
2. All water services to adjacent lots or parcels under the same ownership or control shall be equally protected. Such protection shall be based upon the highest level of existing or potential hazard on the premises or lots in question.
3. If a continuous supply of water is required, two or more backflow prevention assemblies shall be installed in parallel.
4. Backflow prevention assemblies shall be installed at the customer's expense. Such installation shall be done by a qualified journeyman plumber certified as competent for such purpose by the City Engineer. Such certification must be obtained prior to installation of such assembly.
5. Backflow prevention assembly shall be located as close to the water meter as is practical. Site approval for each device installed must be obtained prior to installation from the City Engineer (phone 385-6846) or the Public Works Operations Manager (phone 385-6800).
6. Only such assemblies as are approved by the Foundation for Cross Connection Control and Hydraulic Research of the University of Southern California (FCCC&HR) will be accepted for use by the City of Merced to protect the public water supply system. This requirement does not apply to backflow prevention assemblies required by the Building Inspection Division for use in protection of the occupants or users within a facility. Only complete assemblies, including shutoff valves and test cocks, as approved by FCCC&HR and as supplied by the manufacturer, are approved. Substitutions of valves or assembly from various components is prohibited.
7. The installation, testing, and maintenance of backflow prevention assemblies shall remain the responsibility of the customer as required by State law.

ENGINEERING DEPARTMENT		CITY OF MERCED, CA.	
BACKFLOW/CROSS CONNECTION CONTROL REQUIREMENTS		W-24	
DRAWN: KGE	APPROVED BY: <i>David L. Tucker</i>		
DATE: 1/02			
REVISED:	CITY ENGINEER		SHEET OF