

11. Reduced pressure principle backflow prevention assemblies (RP) must be installed such that the discharge port is a minimum of twelve (12) inches above the floor, ground or any level subject to flooding, as defined by the Federal Emergency Management Agency's current Flood Map. An RP shall not, under any circumstances, be installed in a pit or vault.
12. Backflow prevention devices shall be installed in a horizontal position, unless the FCCC&HR has specifically approved the unit in the proposed position, and the City Engineer approves the alternate position.
13. All backflow prevention assemblies shall be readily accessible for testing and maintenance.
14. Larger sizes of backflow prevention assemblies may require supports. Supports shall not interfere with the operation, testing or maintenance of such device.
15. Protection of the assemblies may be required in areas subject to freezing conditions.
16. On an RP type assembly, water may be discharged on an intermittent basis from the relief port. This is normal. A continuous discharge indicates a failure of the unit. Such failure shall immediately be reported to the Public Works Operations Manager (phone 385-6800), and repaired within three (3) day limit.
17. In order to perform the required annual test, water service must be terminated for a 15 to 30 minute period. If a continuous supply of water is required, see Item No. 3. An unprotected bypass is not permitted.
18. The City may discontinue the service of water to any premises and may physically disconnect the consumer's piping from the City's water system if a backflow prevention assembly required herein is not installed, tested, and maintained to the City Standards, or if any defect found in an installed backflow prevention assembly is not corrected within the prescribed three day period, or if it is found that a backflow prevention device has been removed or bypassed and service will not be restored until such conditions or defects are corrected.
19. All commercial and industrial fire services shall be connected directly to a City main, separate from any domestic service.

ENGINEERING DEPARTMENT		CITY OF MERCED, CA.	
BACKFLOW/CROSS CONNECTION CONTROL REQUIREMENTS			<b>W-27</b>
DRAWN: KGE	APPROVED BY:	DATE	
DATE: 1/02	<i>David L. Jackson</i>	11/15/04	
REVISED: 8/04	CITY ENGINEER		
			SHEET OF