



### SD-1802 – REDUCED PRESSURE ASSEMBLY (RPA) INSTALLATION

These specifications are to be followed for all water service protection installations utilizing a RPA.

1. A permit is required before installing or replacing a backflow assembly. Permits shall be obtained at Tucson Water, 310 W. Alameda.
2. A list of approved backflow assemblies is maintained by Tucson Water.
3. For containment protection, the backflow assembly listed in this SD shall be installed outside, above ground, as close to the water meter or service connection as possible and on private property unless otherwise authorized. (right-of-ways are not private property)
4. There shall be no other piping connected to the piping between the water meter and the backflow assembly except for parallel installations.
5. Installations shall meet current plumbing codes and fire codes as applicable in addition to Tucson Water's Standard Details. (See #11 Approved piping materials)
6. Installations shall be left exposed until inspected and approved by Tucson Water.
7. Protective cages are optional, and shall meet clearance, access and drainage requirements.
8. Backflow assemblies shall be protected from freezing. Care shall be taken to ensure that the protection does not hinder the operation of the assembly. Insulation shall not interfere with the operation of the test cocks, any dump port, shut off valves or identification name plate.
9. Before installing a backflow assembly on any fire system, consult with the fire authority for additional requirements.
10. The installation of a backflow assembly will create a closed system. Consult local plumbing codes for pressure relief valve and thermal expansion requirements.
11. Approved piping materials shall be: Copper type L or K, Galvanized SCH 40, or Ductile Iron.
12. For additional information contact the Backflow Prevention Section at (520) 791-2650.

ISSUED:		<b>STANDARD DETAIL BACKFLOW PREVENTION REDUCED PRESSURE ASSEMBLY (RPA) INSTALLATION</b>		DETAIL NO.
12/97				SD-1802
REVISED:				SHEET 1 OF 1
2/17				