



**CITY OF AUSTIN  
STANDARD PRODUCTS LIST**

for  
**FACTORY RESTRAINED JOINT PVC WATER PIPE (4-INCH TO 12-INCH DIAMETERS)**

**USING DEPARTMENT:** Austin Water      **PREPARED BY:** R. Lamb, P.E.      **ISSUED:** 04/01/11  
**REVISED BY:** Jeff A. Kyle, P.E.      **REVISED:** 01/01/20

**DESCRIPTION:** Pipe, polyvinyl chloride (PVC), 4" through 12" cast iron pipe size O.D. with Reiber-type, steel-reinforced elastomeric gasket joints and factory-installed, serrated-metal, full-circumference, ring-type internal joint restraint system or groove and spline system for water service. Pipe must meet AWWA C900 DR14 Pressure Class 305. Joint restraint system must meet ASTM F1674.

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
04/01/11	JM EAGLE (formerly J-M Pipe & PW Eagle) 9 Peach Tree Hill Road Livingston, NJ 07039	Eagle Loc 900	R. Lamb
04/01/11	DIAMOND PLASTICS CORPORATION P.O. Box 2748 Lubbock, TX 79408-2748	Diamond Loc-21	R. Lamb
07/01/18	NORTH AMERICAN PIPE CORPORATION 2801 Post Oak Boulevard Suite 410 Houston, TX 77056	Certa-Lok C900/RJ (formerly manufactured by Certainteed)	J. Kyle

**NOTES:**

- Warning tape shall be placed on top of the pipe for the full length of restrained joint pipe. The warning tape shall be yellow and shall have black lettering at least 2 inches high that states "Restrained Joint / Junta de Restriccion" at intervals not exceeding 24 inches. The warning tape shall be polypropylene having a minimum thickness of 2 mils, a minimum width of 3 inches, and adhesive backing on the side opposite the lettering.
- Pipe with a whitened exterior (fading of color) that was manufactured more than two (2) years before the proposed installation date shall be rejected.
- Material must comply with requirement of description above and be rated above design pressure. Acceptable sizes are 4", 6", 8", and 12".
- AWWA C900 water pipe shall not be used in easements on private property and shall not be used for wastewater force mains or to convey anything but potable water.
- Changes in direction of PVC pipe shall only be by use of fittings or by deflecting straight pipe sections at joints.
- Longitudinal bending of pipe is not allowed.
- Deflection of pipe at fittings is not allowed.
- Deflection of straight pipe sections shall not exceed 1 degree at each joint (even if joint restraint devices are installed), which corresponds to the following offset in pipe alignment:

Length of Pipe, ft  
20

Offset, inches  
4 maximum

Allowable Radius of Curvature, ft  
1,146 minimum

[Inspector—show location of restrained pipe and fittings on intersection drawings. Also show on record drawings along with manufacturer's name.]

**LATEST REVISIONS:**

- Added Note 2.