



**CITY OF AUSTIN
STANDARD PRODUCTS LIST
for
DUCTILE IRON PIPE**

USING DEPARTMENT: Austin Water **PREPARED BY:** Bill Flynn, P.E. **ISSUED:** 06/06/83
REVISED BY: Jeff A. Kyle, P.E. **REVISED:** 07/01/23

DESCRIPTION: Ductile Iron Water Pipe and Ductile Iron Wastewater Force Main Pipe complying with AWWA C151 (and C115 for flanged pipe only). DI Pipe shall be asphalt coated or zinc/asphalt coated and cement-mortar lined with asphaltic seal coat complying with AWWA C104. (See SPL WW-27A for Joint Restraint Devices, or SPL WW-27F for Restrained Joint Ductile Iron Pipe and Fittings.) Wastewater force main pipe shall be lined with approved corrosion resistant material (see SPL WW-534). Lining to be used shall be shown on submittal, with type, brand, and lot number marked on each pipe. No more than one type or brand of lining shall be used for any project. This pipe is not to be used for gravity flow wastewater lines except when in the opinion of the Engineer the strength of DI makes its use appropriate; it may be used only if specifically shown on approved engineering drawings.

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
07/01/98	AMERICAN CAST IRON PIPE CO. P.O. Box 2727 Birmingham, AL 35202	See notes	W. Flynn
07/01/98	U.S. PIPE & FOUNDRY CO. P.O. Box 10406 Birmingham, AL 35202	See notes	W. Flynn
04/01/99	McWANE DUCTILE (New Jersey, Utah, and Ohio) 1401 East 2000 South Provo, UT 84603	See notes	W. Flynn
07/01/23	ELECTROSTEEL USA 1101 Louisville Rd. Savannah, GA 31415	4"-24" Diam. Only See notes	J. Kyle

NOTES:

- Ductile Iron Water Pipe, except flanged pipe, to 12" diameter shall be Class 350 as defined by AWWA C150; sizes 16 inch and larger shall be Class 250 minimum. Flanged D.I. pipe shall be Special Thickness Class 53 meeting AWWA C115, and shall comply with requirements of SPL WW-27E.
- Materials shall meet applicable specification requirements. Acceptable sizes for potable and reclaimed water pipes are 4", 6", 8", 12", 16", 24", 30" and multiples of 6" in larger sizes. 14", 18", and 20" are acceptable for repair only. Sizes for wastewater force mains shall be determined based on specific project requirements.
- Submittal shall include results of independent laboratory testing showing that seal coating on pipe meets test requirements of Section 5.2 of AWWA Standard C104, and is in compliance with Section 4.12 of that Standard.
- For pipe larger than 24" diameter, manufacturer must provide one of the following with PROJECT submittal: a) evidence of current ISO registration, b) evidence of current Austin Water approved quality control program, or c) evidence of current Austin Water approved independent, third party firm that will test and inspect pipe produced for City of Austin, as per Standard Specification Item 510.



CITY OF AUSTIN
STANDARD PRODUCTS LIST
for
DUCTILE IRON PIPE

5. Pipe manufacturer shall certify that wastewater pipe lining will withstand, without damage, high pressure jet washing that is used to flush lines prior to CCTV inspection and as required for normal maintenance purposes.
6. Zinc coating for DI pipe will be considered on a case by case basis and only as approved by AW. When used, pipe shall be identified as "Zinc Coated" (or similar), and zinc coating shall be applied as a base layer under an asphaltic seal coat that complies with AWWA C104. The use of polywrap is required with zinc coated pipe.
7. Electrosteel USA Pipe: Use of External Wedge-Action Joint Restraint Harness for Push-On Joints is required for inline restraint of Electrosteel DI pipe (see SPL WW-27A). Use of Joint Restraint Gaskets for inline restraint (per SPL WW-27G) shall not be used. Use of Wedge-Action Mechanical Joint Restraint shall be used for connections of DI pipe to MJ fittings or valves (see SPL WW-27A).

LATEST REVISIONS (since 10/01/17):

1. Added Electrosteel USA (4"-24" Diam. Only).
2. Added Note 7.