CITY OF AUSTIN
STANDARD PRODUCTS LIST
for
FIBERGLASS PIPE FOR WASTEWATER

USING DEPARTMENT: Water Utility **ISSUED:** 04/01/92 **REVISED:** 04/01/06

PREPARED BY: Bill Flynn, P.E. **CITY STOCK NUMBER:**

DESCRIPTION: Pipe, Fiberglass, Cast Centrifically or with Continuously Advancing Mandrel, for wastewater service, 24 inch through 54 inch diameter, Glass Fiber Reinforced Plastic Mortar Pipe made of thermosetting polyester resins, aggregates and fiberglass meeting the requirements of AWWA C950 and ASTM Standards as follows: D 3262 for Sewer Pipe having minimum stiffness of 72 lbf per inch per inch diameter, D 3840 for Fittings, D 4161 for Joints having elastomeric seals, and F 477 for Gaskets. Pipe shall have Cell Designation 111 or 123, PS 72 as defined by ASTM D 3262.

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
04/01/96	HOBAS, USA, Inc. 1413 Richey Road Houston, TX 77073	AWU-approved Quality Control Program, expires 6/30/2008.	W. Flynn

NOTE:

1. For each project, Design Engineer shall submit to Austin Water Utility deflection calculations based upon actual installation conditions as required by Sec. 317 of TCEQ rules. Installations will be considered for approval on a case-by-case basis.
2. For pipe larger than 24" diameter, manufacturer must provide one of the following with each PROJECT submittal: a) evidence of current ISO registration, b) evidence of current Austin Water Utility-approved quality control program, or c) name and qualifications of independent, third party firm that will test and inspect pipe produced for City of Austin, as per Standard Specification Item 510.
3. Deflection testing is required and shall be conducted after final backfill has been in place at least 30 days. A rigid mandrel shall be used. Mandrel sizes are as follows:

		Pipe Stiffness 72 psi	
Nominal Size, inches	Average O.D., inches	Minimum Wall Thickness, inches	95% Mandrel Diameter, inches
24	25.8	0.57	23.43
30	32	0.70	29.07
36	38.3	0.83	34.81
42	44.5	0.95	40.47
48	50.8	1.08	46.21
54	57.1	1.21	51.95

4. Specifying or use of pipe outside the indicated size range requires approval of the Austin Water Utility on a project-by-project basis.