



**CITY OF AUSTIN
STANDARD PRODUCTS LIST
for
32 INCH MANHOLE COVER CASTING SETS**

USING DEPARTMENT: Austin Water **PREPARED BY:** David Rinn **ISSUED:** 07/01/97
REVISED BY: Jeff A. Kyle, P.E. **REVISED:** 10/01/19

DESCRIPTION: Manhole Rings and Covers (32" diameter cover) shall comply with the following:

1. Ring shall be Gray Cast Iron, ASTM A48, Class 30B or higher or Ductile Iron, ASTM A536, Grade 60-40-18 or higher.
2. Cover shall be Ductile Iron, ASTM A536, Grade 60-40-18 or higher.
 - a. Cover marked "Sanitary Sewer" or "Potable Water" as ordered.
 - b. Weight shall be as required for HS-20 loading with appropriate safety factors and as shown on manufacturer's drawings and on casting.
 - c. Weight of cover shall be 175 lbs plus or minus 3 percent.

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
07/01/97	EJ (formerly East Jordan Iron Works) 216 E. 6 th Street San Angelo, TX 76901 (formerly Western Iron Works and Vulcan Foundry)	Meeting description and notes. DI cover with CI ring. Top Flange Frame V1816 ZPT (See Standards No. 506S-4 and 503S-6W)	K. Flowers
10/01/97	CALCUTTA FOUNDRY, LTD / INDIA SIGMA CORP. P.O. Box 300 Cream Ridge, NJ 08514	Meeting description and notes. DI cover with CI ring.	R. Lamb
01/04/99	SHREE RAM FOUNDRY / INDIA (CI Ring) and GEMUS FOUNDRY / INDIA (DI Cover) STAR PIPE PRODUCTS CO. 4018 Westhollow Parkway Houston, TX 77982	Meeting description and notes. DI cover with CI ring.	R. Lamb
07/01/04	VICTORY IRON WORKS, LTD / INDIA ACCUCAST 415 South 21 st Avenue Waco, TX 76706	Meeting description and notes. DI cover and CI ring.	R. Lamb
10/01/19	NEENAH FOUNDRY, CO. 2121 Brooks Ave. Neenah, WI 54956	Meeting description and notes. DI cover and CI ring. Bolted Cover (Part No. 1931-5000) Bolted Bottom Flange Ring (Part No. 1932-2333) Bolted Top Flange Ring (Part No. 1931-2332) Non-Bolted Cover (Part No. 1931-5004) Non-Bolted Bottom Flange Ring (Part No. 1932-2336) Non-Bolted Top Flange Ring (Part No. 1931-2331)	J. Kyle



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NOTES:

1. Must be compliant with the above Description and with the City of Austin Standard Detail. Machined surfaces shall be true to dimensions as shown. No principal dimensions shall vary by more than 1/8" from the dimension shown on the Standard Detail. Rocking or interference in fit between an interchanged frame and cover will not be acceptable.
2. Manufacturer's application to the Standards Committee shall include independent laboratory report on proof load test. Load test shall meet AASHTO M-306. Proof load test shall be performed by a domestic laboratory and test results shall be sealed by Texas-licensed professional engineer. Utility will require certification every 2 years stating that there has been no change in design or manufacture of these castings. If variations from manufacturer's weights are found, a new test by an independent laboratory of a randomly selected casting set will be required at the manufacturer's expense.

LATEST REVISIONS:

1. Added Neenah Foundry Co.
2. Changed to new SPL formatting.