



**CITY OF AUSTIN  
STANDARD PRODUCTS LIST  
for  
CONCRETE MANHOLE SECTIONS**

**USING DEPARTMENT:** Austin Water      **PREPARED BY:** Bill Flynn, P.E.      **ISSUED:** 10/14/81  
**REVISED BY:** Jeff A. Kyle, P.E.      **REVISED:** 04/01/24

**DESCRIPTION:** Pre-cast reinforced concrete manhole sections consisting of circular vertical risers, conical tops, flat slab tops, and base sections meeting ASTM C478 and complying with the following:

1. Base sections shall consist of a riser section cast monolithically with an integral floor.
2. Joint configuration and dimensions for 48" diameter sections shall be as shown on Sheet 3. Joints having conical surfaces with taper angles other than 2° are not allowed.
3. Pipe-to-manhole connectors shall be listed on SPL WW-146D.
4. Joints between manhole sections shall be sealed with gaskets listed on SPL WW-146C.
5. Pre-cast operations must be certified by the National Precast Concrete Association (NPCA). Off-site concrete sources must be certified by the National Ready Mixed Concrete Association (NRMCA).
6. Specified concrete compressive strength,  $f_c'$ , shall be at least 5,000 psi. Concrete shall conform to TxDOT Item 421, Class H. Any of the Mix Design Options 1–8 in Item 421.4.2.6 are allowed.
7. Approval is only for the listed physical locations.
8. Cast in place concrete U-shaped invert channels shall connect the entering and exiting pipes. The invert channels shall be constructed so that the connecting pipes will not protrude beyond the inside surface of the manhole wall.
9. The minimum wall thickness for 48" diameter manholes is 5".

| LISTING DATE | MANUFACTURER   | PRODUCT IDENTIFICATION/COMMENT | APPROVAL |
|--------------|--|--------------------------------|----------|
| 01/02/97     | RINKER MATERIALS (WACO)<br>(formerly Forterra Pipe & Precast WACO)<br>11710 Chapel Rd.<br>Lorena, TX 76655 | 48" diameter                   | R. Lamb  |
| 01/01/06     | CAPITAL CONCRETE PRODUCTS<br>5264 Hwy. 71 East<br>Del Valley, TX 78617                                     | 48" diameter                   | R. Lamb  |
| 01/01/12     | CAPITAL PRECAST, INC.<br>6905 S. Old Bastrop Highway<br>San Marcos, TX 78666                               | 48" diameter                   | R. Lamb  |
| 04/01/12     | OLDCASTLE INFRASTRUCTURE<br>1900 Rilling Road<br>San Antonio, TX 78214                                     | 48" diameter                   | R. Lamb  |
| 07/01/21     | THE TURNER COMPANY<br>7352 SH 142<br>Maxwell, TX 72644   | 48" diameter                   | J. Kyle  |
| 04/01/22     | LONE STAR PRECAST<br>454 Kelly Smith Lane<br>Buda, TX 78610  | 48" diameter                   | J. Kyle  |
| 04/01/24     | AMERITEX PIPE AND PRODUCTS, LLC<br>14899 Frank Plunk Drive<br>Conroe, TX 77306                             | 48" diameter                   | J. Kyle  |



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**NOTES:**

1. Project-specific shop drawings shall be submitted for AW approval for pre-cast circular vertical manhole sections of larger diameter than listed above. The shop drawings shall include:
  - a. the flowline elevation of all connecting pipes
  - b. elevations of transitions from large diameter sections to 48" diameter sections
  - c. top of manhole and surrounding ground elevations
  - d. details of special construction considerations specified in the contract documents.
2. Cast-in-place bases shall be used for circular manholes only when specified in the contract documents.
3. Flat slab tops shall be used only when specified in the contract documents.

**LATEST REVISIONS (since 01/01/23):**

1. Added AMERITEX PIPE AND PRODUCTS, LLC.



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