



**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: 10/01/19

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.
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. The entire pre-casting operation, including batching of concrete off-site when used, must be NPCA approved.
6. Concrete used for pre-cast sections shall conform to TxDOT Item 421, 2004 Edition.
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.

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
01/02/97	FORTERRA PIPE & PRECAST (WACO) (formerly Hanson Concrete Products) 11710 Chapel Rd. Lorena, TX 76655	48" diameter	R. Lamb
04/01/99	FORTERRA PIPE & PRECAST (formerly Hanson Concrete Products) 402 North W.W. White Road San Antonio, TX 78219	48" diameter	W. Flynn
01/01/06	CAPITAL CONCRETE PRODUCTS 5264 Hwy. 71 East Del Valley, TX 78617	48" diameter	R. Lamb
01/01/06	CHARLOTTE'S CONCRETE 4950 Lane Drive San Antonio, TX 78263	48" diameter	R. Lamb
01/01/12	CAPITAL PRECAST, INC. 6905 S. Old Bastrop Highway San Marcos, TX 78666	48" diameter	R. Lamb
04/01/12	OLDCASTLE INFRASTRUCTURE 1900 Rilling Road San Antonio, TX 78214	48" diameter	R. Lamb
07/01/19	AFFORDABLE CONCRETE 454 Kelly Smith Ln. Buda, TX 78610	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:

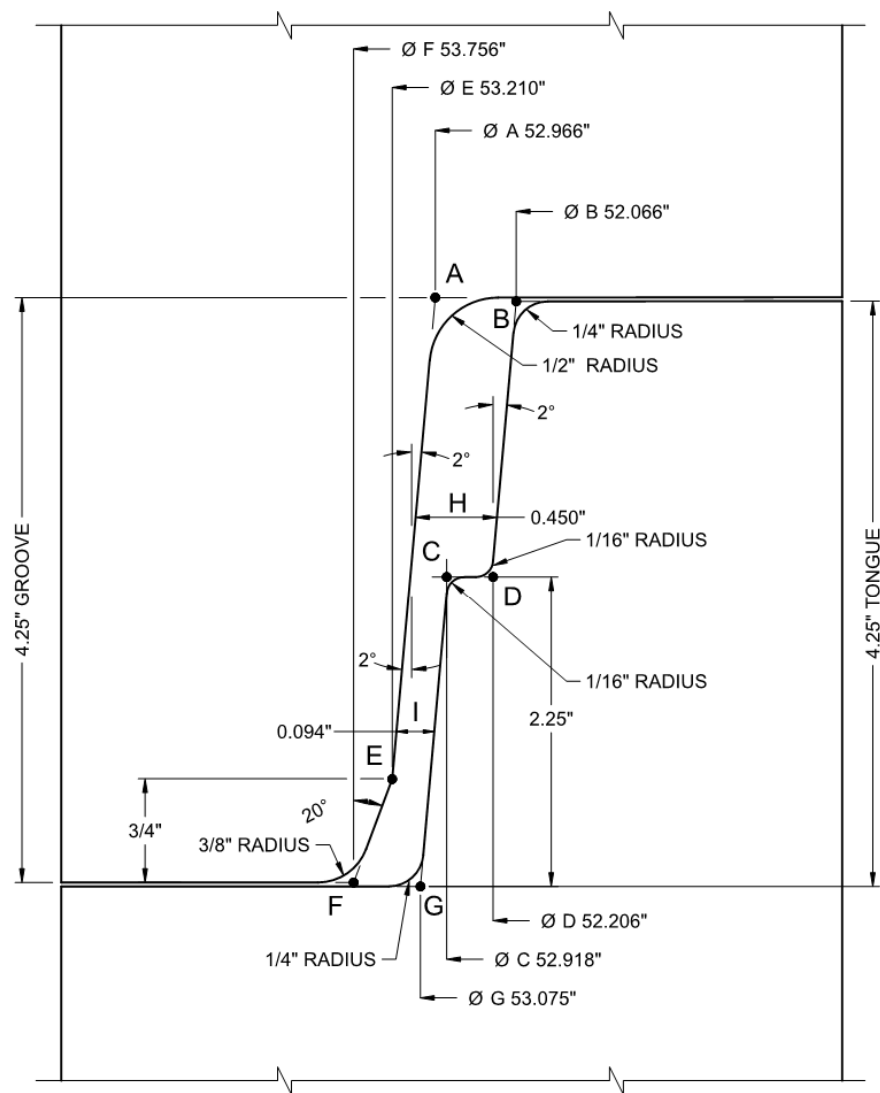
1. Aesthetically improved Offset Joint Detail on Sheet 3 of 3.

LATEST REVISIONS (effective 07/01/2019):

1. Changed Description format and removed references to junction boxes.
2. Changed FORTERRA BUILDING PRODUCTS to FORTERRA PIPE & PRECAST.
3. Removed FORTERRA's Seguin facility from list.
4. Changed OLDCASTLE PRECAST, INC to OLDCASTLE INFRASTRUCTURE.
5. Added AFFORDABLE CONCRETE.
6. Changed Note 1.
7. Added Offset Joint Detail.



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Ø = DIAMETER

CITY OF AUSTIN
AUSTIN WATER

WEDGE - SEAL OFFSET JOINT DETAIL
PRECAST MANHOLE SECTION