



**CITY OF AUSTIN  
STANDARD PRODUCTS LIST  
for  
METER VAULTS**

**USING DEPARTMENT:** Austin Water

**PREPARED BY:** Bill Flynn, P.E.

**ISSUED:** 10/01/97

**REVISED BY:** Jeff A. Kyle, P.E.

**REVISED:** 01/01/22

**DESCRIPTION:** Meter Vaults, rectangular, for 3", 4", or 6" compound meters and fire demand meters. Vaults shall comply with the following:

1. Vaults shall be precast concrete, designed by a Texas-licensed Professional Engineer.
2. Vault pre-casters shall be certified by the National Precast Concrete Association (NPCA).
3. Concrete shall be supplied by an off-site ready-mix plant certified by the National Ready Mixed Concrete Association (NRMCA) or by an on-site plant certified by NPCA.
4. Vaults shall be designed for incidental H-20 axle loads (for installation only in off-street locations such as parking lots and unpaved areas adjacent to roadways).
5. Vaults shall have a removeable top slab fitted with recessed lifting hooks.
6. The top slab shall be at least 8" thick and shall have a valve operator opening and a single- or double-door access hatch opening.
7. Approval is only for vaults cast at the listed physical locations.
8. 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.

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
07/01/04	FORTERRA PIPE & PRECAST 11710 Chapel Road Lorena, TX 76655	6' x 9' Compound Meter Vault as designed by Mathew B. Jackson on 9/19/96 8' x 12', 10' x 12', and 10' x 15' Fire Demand Meter Vaults as designed by Steve Bontempo on 5/7/04	R. Lamb
04/01/07	CAPITAL CONCRETE PRODUCTS 5264 Highway 71 East Del Valle, TX 78617	6' x 9' Compound Meter Vault as designed by Stuart D. Gorka on 9/7/16 8' x 12', 10' x 12', and 10' x 15' Fire Demand Meter Vaults as designed by Christopher Wickham on 7/11/06	R. Lamb
04/01/10	CAPITAL PRECAST 6905 South Old Bastrop Highway San Marcos, TX 78666	6' x 9' Compound Meter Vault as designed by Ronald Berg on 7/22/16 8' x 12', 10' x 12', and 10' x 15' Fire Demand Meter Vaults as designed by Gary Munkelt & Associates on 12/11/07, 1/28/09, and 1/28/09, respectively.	R. Lamb
07/01/11	PARK-USA 849 I.U.S. Highway 87 East San Antonio, TX 78263	6' x 9' Compound Meter Vault as designed by Gary Munkelt on 7/11/19 8' x 12', 10' x 12', and 10' x 15' Fire Demand Meter Vaults as designed by Gary Munkelt & Associates on 9/7/10	R. Lamb



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**NOTES:**

1. Access hatches shall be listed on SPL WW-614 or 614A.
2. These vaults were not designed for use in every underground installation of piping and ancillary equipment requiring a vault of the listed plan dimensions. The wall thickness, top slab thickness, reinforcing steel size and placement, pipe penetration locations, hatch opening location, and vault depth are supplier-specific, based on analyses by the listed structural engineer.

**LATEST REVISIONS:**

1. Edited Description 2 and 3.
2. Added Description 8 to mirror TxDOT manhole standard and to simplify requirement by being more prescriptive.