

BEXAR METROPOLITAN WATER DISTRICT MATERIALS SPECIFICATIONS

Section 038 Meter Box

038.1 Scope of Work

This specification covers meter boxes for 5/8", 3/4", 1", 1-1/2" and 2" meters.

038.2 General Requirements

1. For non-traffic bearing locations, the meter box assembly for 5/8" through 2" meters shall be cast-iron and shall consist of oval and rectangular boxes in accordance with the attached BMWD drawings listed below:

<u>Meter Size</u>	<u>BMWD Drawing</u>
5/8", 3/4" & 1"	DA-11-00
1-1/2" & 2"	DA-11-01

2. For traffic bearing locations, the meter box assembly for 5/8" through 2" meters shall consist of a cast-iron rectangular box and a steel checkered plate rectangular cover with raised lug pattern in accordance with the attached BMWD

Drawing listed below:

<u>Meter Size</u>	<u>BMWD Drawing</u>
5/8" thru 2"	DA-11-01

3. The meter box shall have an ultimate tensile strength of 25,000 psi and shall not be brittle.
4. The casting shall have an "as cast" clean smooth surface and be free from internal porosity; castings that are made smooth by grinding will not be considered.
5. The casting shall be dipped in a coal tar at a temperature of 350 degrees and the metal shall be at a temperature of 300 degrees prior to dipping. The casting shall be dipped and cured independently and the coating shall have ceased to be "tacky" within 72 hours after dipping.
6. The steel checkered plate rectangular cover shall be hot dip galvanized after fabrication.

END OF SECTION