

For use in the Denver Water service area

Material Specification – 12 for CAST IRON VALVE BOXES

1. GENERAL

CI valve box components shall be manufactured in accordance with the following requirements.

2. 6-INCH VALVE BOXES

Valve boxes shall be the three-piece adjustable screw type with a 16-inch top section, 18-inch extension, 24-inch stem, and 30-inch bottom and base. The minimum weight of the components shall be:

| Components | Minimum Weight (Pounds) |
|---------------------|--------------------------------|
| Lid | 13 |
| 16-inch Top Section | 34 |
| 18-inch Extension | 29 |
| 24-inch Stem | 35 |
| 30-inch Bottom | 38 |
| Base | 68 |

Valve boxes shall be as listed below:

| Manufacturer | Model |
|---------------------|--|
| Bingham & Taylor | CCO5 Series, CUL5 Series and GRE5 Series |
| EJ | 8560 Series and 6800 Series Drop Lid |
| Sigma Corporation | VB630 Series |
| Star Pipe Products | VB-0006 Series |
| | |

3. CURB STOP SERVICE BOXES

Curb stop service boxes shall be CI and of the following type:

| Manufacturer | Size | Model |
|--------------------|-----------------------------------|------------------|
| Bingham & Taylor | 3/4 and 1-inch | I2B94EWOS |
| | 1 1/2 and 2-inch (Roadway Box) | I4B144RW |
| Sigma Corporation | 3/4 and 1-inch | 794E-35, 795E-35 |
| Star Pipe Products | 3/4 and 1-inch | SB94ES, SB95ES |
| | 1 1/2 and 2-inch (Roadway Box) | RWB 145RHD |

4. MATERIALS

Valve box parts shall be made of gray CI in accordance with ASTM A 48, Class 35B. The use of an aluminum alloy as a casting material is not acceptable.

5. FINISH

Components shall be deburred and machined so that final dimensions are within plus or minus 0.0625 inches of the specified dimensions. Components shall be provided with the manufacturer's standard rust preventative coating.

6. CERTIFICATION

The manufacturer shall furnish a sworn statement that the inspection and all specified tests have been completed and that results comply with the requirements of these Standards. A copy of the Certification shall be provided to Denver Water.

*Material Specification – 12
Cast Iron Valve Boxes*