

City of Milwaukee
Department of Public Works

Milwaukee Water Works

Material Specifications for
Repair Lids for 2½” and 3” Service Boxes
(Buffalo Pattern)



City of Milwaukee Specification No. 30-C-2
Revised June 16, 2010

841 N. Broadway
Zeidler Municipal Building
Room 409
Milwaukee, Wisconsin 53202
www.milwaukee.gov/water

I. **GENERAL REQUIREMENTS:** Vendors bidding through the Department of Administration – Business Operation Division, Procurement Services Section, shall comply with the latest version of City of Milwaukee Specification No. 70b-D-7, except as modified herein.

II. **TECHNICAL REQUIREMENTS**

- A. **Description:** Repair lids shall consist of a circular lid, two jaws, a pentagon head screw and a spreader. Repair lids are used for replacing broken or missing lids on new and old style Buffalo Pattern type curb boxes.
- B. **Material:** The repair lids shall be cast iron in accordance with ASTM-A48 Class 20, 30, 35 or approved equal. The pentagon screw shall be bronze meeting ASTM B62, or 18-8 stainless steel meeting ASTM F593.
- C. **Repair Lid Design:** The jaws of the lid shall be capable of being inserted inside a 2½” or 3” service box top section. When the pentagon screw is tightened, the jaws shall expand and contact the sides of the service box, locking the repair lid inside the service box. Repair lids will be of two styles. “Outside” style shall fit around and over the service box top. “Flat” style shall fit inside and on top of the service box top. Covers shall have the word “WATER” cast in or with raised letters. The pentagon screws shall have the end threads upset after assembly to prevent the screw from being removed.
- D. **Workmanship and Finish:** The cast iron service box and components shall be free from blowholes, cold shots, shrinkage defects, cracks, other injurious defects and shall have a normal smooth casting finish.
- E. **Coating:** All cast iron repair lids shall be thoroughly coated with asphaltum pitch varnish or approved equal.

III. **ACCEPTABLE BRANDS:** Following brands are acceptable to the City of Milwaukee:

Bingham & Taylor – 2 ½” flat style repair lid, model I2LBWREPOB; 2 ½” outside style repair lid, model I2LBWREP10374; 3” flat style, model I3LBWREPOB; 3” flat style (no skirt), model I3LBWREPNOB

Trumbull – 2 ½” outside style repair lid, model T-374; 3” outside style model T-375

Mueller Co. – 2 ½” outside style repair lid, model 10374 only