

03-04

**ROGERS WATER UTILITIES SEWER SYSTEM
ROGERS, ARKANSAS**

**SPECIFICATIONS FOR MANHOLE
FRAMES AND COVERS
REVISED JUNE 2006**

1. **SCOPE**

This specification covers iron manhole frames and covers for sanitary sewer manholes or other structures.

2. **GENERAL REQUIREMENTS**

- a. Manhole frames and covers shall be made of gray cast iron and conform to ASTM A48-03, Class 35B. Manhole frames and covers shall also conform to AASHTO M306, Section 7.0, Proof Loading Testing.
- b. Manhole frames and covers shall have a minimum access diameter of 22 inches.
- c. Manhole covers shall be of solid construction without any openings of any type except two (2) concealed pick holes that shall be located on direct opposite sides (180 degrees) of the manhole cover. The concealed pick holes shall be of such design as not to allow infiltration into the manhole.
- d. All covers shall have diamond, non-skid surface with the "Sanitary Sewer" or "City of Rogers-Sanitary Sewer" cast into the lid. The specified wording shall be in 2 inch wide letters.
- e. Watertight manhole frames and covers shall also include ¼ inch O-ring neoprene gasket, bonded to frame and four (4) ½ inch recessed hex head stainless steel bolts with rubber gasket and stainless steel washers.
- f. The maximum height of vertical adjustment rings shall be eighteen (18) inches in grass (green) areas. Concrete riser rings are not allowed.

3. **QUALITY ASSURANCE**

- a. The Rogers Water Utilities may, at no cost to the manufacturer, subject random manholes frames and covers to testing by an independent laboratory for

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compliance with these standards. Any visible defect or failure to meet the quality standards herein will be grounds for rejecting.

- b. All manhole frames and covers shall be domestically manufactured.

The following manufactures are approved for manhole frames and covers.

APPROVED MANUFACTURERS LIST

<u>Manufacturer</u>	<u>Type of Duty</u>	<u>Catalog Number</u>	<u>Weight, lbs.</u>
East Jordan Iron Works, Inc.	Regular	1348A 1348Z	260
Deeter Foundry, Inc.	Regular	1266	290
Deeter Foundry, Inc.	Traffic	1235-A	540
East Jordan Iron Works, Inc.	Traffic	1050Z 1020A EXH	535
East Jordan Iron Works, Inc.	Watertight	1045ZPT	315
Deeter Foundry, Inc.	Watertight	1270-B	375
East Jordan Iron Works, Inc.	Adjustment Ring (Green Area Only)	V-1918-2 V-1918-3 V-1918-4 V-1918-6	