

03-05

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

**SPECIFICATIONS FOR GRAVITY
SEWER MISCELLANEOUS
REVISED DECEMBER 2004**

1. **SCOPE**

This specification covers PVC, SDR 35, sewer service pipe within street right-of-ways and public utility easements, flexible sewer service fittings and gasket manhole waterstops.

2. **GENERAL REQUIREMENTS PVC (SDR 35) SEWER SERVICE PIPE**

- a. This specification covers PVC, SDR 35, sewer service pipe, 4 inch and 6 inch in sizes. The minimum diameter of PVC, SDR 35, sewer service pipe is 4 inch.
- b. PVC, SDR 35, sewer service pipe shall not be used as gravity sanitary sewer lines other than sewer service lines from existing sanitary sewer lines within street right-of-ways and public utility easements.
- c. Cast iron soil pipe is not allowed for the construction of sewer service lines or sanitary sewer lines.
- d. The PVC sewer service pipe shall conform to all the minimum requirements of ASTM D3034.
- e. All joints shall be either push-on conforming to ASTM D3212 or solvent cement.
- f. All gaskets shall be a lock-in elastomeric rubber (at point of manufacture) and conforming to ASTM F477.
- g. Solvent cement joints shall meet the requirements of ASTM D2564 and shall be appropriate solvent for the pipe material.
- h. Each length of pipe furnished shall bear all identification markings as specified in Section 12 of ASTM D3034-00.

3. **GENERAL REQUIREMENTS OF FLEXIBLE SEWER SERVICE FITTINGS**

- a. This specification covers flexible rubber sewer service fittings such as couplings between PVC pipe and ductile iron pipe and end caps of 4 inch and 6 inch in size.

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- b. Flexible coupling and end cap shall be manufactured with natural and synthetic rubber conforming to ASTM C425 and C117.
- c. Clamps shall be 300 series marine grade stainless steel conforming to ASTM A240.

4. **GENERAL REQUIREMENTS OF GASKET MANHOLE WATERSTOPS**

- a. This specification covers gasket waterstops used on sanitary sewer pipe within poured in-place concrete manholes.
- b. Gasket material shall be Virgin SBR and conform to ASTM D2000 M2AA 60, compounded for water and sewer service.
- c. All molded wyes shall have a minimum of SDR-24 thickness for body of the fitting and all outlets of 4 inch branches (bodies) shall have a minimum thickness of a SDR-24.

5 **QUALITY ASSURANCE**

- a. The Rogers Water Utilities may, at no cost to the manufacturer, subject random PVC, SDR 35, sewer service pipe, flexible sewer service fittings and gasket manhole waterstops to testing by an independent laboratory for compliance with these standards. Any visible defect or failure to meet the quality standards herein will be grounds for rejecting.
- b. All PVC, SDR 35, sewer service pipe, flexible sewer service fittings and gasket manhole waterstops shall be domestically manufactured.

The following manufactures are approved for PVC, SDR 35, sewer service pipe, flexible sewer service fittings and gasket manhole waterstops.

APPROVED GRAVITY PVC (SDR 35) SEWER
SERVICE PIPE MANUFACTURERS LIST

Johns Mansfield (J-M Pipe) Company
Certain Teed Corporation
North American Pipe Corporation
Diamond Plastics Corporation
Jet Stream Plastic Pipe Co.

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APPROVED FLEXIBLE SEWER SERVICE
FITTINGS MANUFACTURERS LIST

Fernco, Inc.
NDS, Inc.
Mission Rubber Company

APPROVED GASKET MANHOLE WATERSTOP MANUFACTURERS LIST

Fernco, Inc.
Romac Industries, Inc

Previous Specifications
April 16, 1997