

SUDAS Revision Submittal Form

Status Date: As of 5/20/2020 Topic: Water main pipe options
Manual: Specifications Manual Location: Section 5010, 2.01, 2.03, and 3.04

Requested Revision:

2.01 WATER MAIN

~~C. Prestressed Concrete Cylinder Pipe: Design and manufactured according to AWWA C301 and AWWA C304.~~

~~1. Minimum Conditions:~~

- ~~a. Internal Pressure: 150 psi.~~
- ~~b. Earth Loads: Actual trench depth, but not less than 6 feet.~~
- ~~c. Live Loads: HS 20 vehicle over trench.~~
- ~~d. Surge Pressure: Allowance 60 psi.~~
- ~~e. Bedding: Type R2, AWWA C304, Figure 9.~~
- ~~f. Safety Factor: 2.5.~~

~~2. Joints:~~

- ~~a. Rings: Steel joint rings with rubber gaskets according to AWWA C301.~~
- ~~b. External Joint Filler: Cement mortar with diapers.~~
- ~~c. Outlets: Flanged, according to ANSI B16.1, Class 125, with 1/8 inch minimum thickness rubber gaskets.~~

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2.03 FITTINGS

~~B. For Prestressed Concrete Cylinder Pipe: As required for prestressed concrete cylinder pipe.~~

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3.04 ADDITIONAL REQUIREMENTS FOR PRESTRESSED CONCRETE CYLINDER PIPE INSTALLATION

- ~~A. Install according to AWWA M9.~~
- ~~B. Relieve gasket tension by inserting a small rod between the gasket and the gasket groove and running the tool around the pipe twice.~~
- ~~C. Check gasket position using a metal feeler gauge after the joint has been assembled.~~
- ~~D. Complete joint exterior grouting after pipe has been properly positioned using non-shrink grout.~~

Reason for Revision: Prestressed concrete cylinder pipe has limited use and application.

Comments: None.

District: 1 2 3 4 5 6 2/27/2020 Webinar

Comments: None.

District: 1 2 3 4 5 6 **4/2020 Webinars**

Comments: None.

Action: Deferred Not Approved Approved

Final District Action Summary: All 6 districts approved.

Board of Directors Action: Approved.