

SECTION 2600 - STORM SEWERS

CITY OF LEE'S SUMMIT, MISSOURI STANDARD SPECIFICATIONS

The City of Lee's Summit, Missouri's hereby adopts Section 2600 of the Kansas City Metropolitan Chapter of APWA Construction and Material Specifications, current edition. The following additions, deletions and/or revisions are adopted as a part of Section 2600 for use within Lee's Summit, Missouri.

2602.2 Materials

Delete Paragraph B (excluding tables) and replace with the following:

B. Aluminized Corrugated Metal Pipe (CMP)

- 1. Sheet steel for aluminized CMP shall conform to AASHTO M 274.***
- 2. Pipe manufacture shall conform to AASHTO M 36.***
- 3. Minimum wall thickness shall be 0.079 inches (14 gauge) for circular pipe 30 inches in diameter and smaller as well as for equivalent arch pipe. Larger pipe sizes shall conform to the table.***
- 4. Joints shall be made with a bolted aluminized steel band assembly.***
- 5. End sections shall be flared and shall have a rolled top edge.***
- 6. All fittings shall be fabricated from the same materials as the pipe.***

Delete Paragraphs D. Vitriified Clay Pipe, and E. Ductile Iron Pipe, and substitute the following as Paragraph D.

D. High Density Polyethylene (HDPE) Pipe

- 1. High density polyethylene pipe shall conform to AASHTO M294, type S (non-perforated circular cross section with corrugated outer surface and a smooth inner surface) for pipe diameters of 15 inches to 60 inches, inclusive.***
- 2. Joints may be either bell& spigot gasketed joints or made with external coupling bands. Joint integrity shall conform to the performance requirements of AASHTO M294.***
- 3. Fittings and coupling bands shall be fabricated from the same material as the pipe and conform to AASHTO M294.***
- 4. Coupling bands shall cover at least two full corrugations on each section of pipe and shall prevent the infiltration of soil into the pipe.***

2602.2.H.3 Mix Design

Revise first sentence to read: ***All flowable fill shall be mix design type A unless approved by the City Engineer.***

2602.3 Construction Details

Delete Paragraph A and Subparagraphs 1 through 7 entirely. See Section 2100 for trenching and backfill specifications.

2602.3.B.4 Bedding

Revise first sentence to read as follows:

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The class of bedding required shall be as indicated on the Contract Drawings or standard details except that as a minimum the bedding shall be *bedding aggregate as specified in Section 2100 placed to a minimum depth of 6 inches below the pipe to 6 inches above the pipe*, or in the case of a RCB, one-half of the height.

2602.3.B Laying and Jointing

Add the following as Paragraph 6:

6. ***HDPE pipe shall be installed in accordance with ASTM Recommended Practice D2321.***

2602.3.C Backfill

In Figure 1, revise the dimension for granular bedding in earth to 6 inches. Delete Subparagraph 2 entirely.

2604.2.A Concrete Mixes

Revise to read as follows:

Concrete shall be MCIB Mix Number A-558-1-2, except concrete used for soil stabilization, pipe cradles, filling, leveling courses and other similar purposes may be MCIB Mix Number A535-1/2-4.

2604.2.F Brick

Delete Paragraph entirely.

2604.2.H Metal Castings

In first sentence, revise Class 35B to minimum of Class 30.

2604.2.I Steel End Sections

Revise first sentence to read as follows:

Steel end sections shall be fabricated from *aluminized* base metal as specified in Section 2602....

2605 OPEN CHANNELS

Delete reference to Grouted Riprap in Paragraph 2605.2.3, and delete Paragraphs 2605.2.E and 2605.2.E entirely.