

**CITY OF KANSAS CITY, MISSOURI**  
**SUPPLEMENT NO. 4**  
**TO APWA STANDARD SPECIFICATIONS AND DESIGN CRITERIA**  
**DIVISION II, SECTION 2500, SANITARY SEWERS**

The following additions, deletions, and/or revisions shall become a part of the adopted standard specification:

**2510 Manholes and Special Structures**

**2510.3.8.a.(1)** Sections 2510.3.8.a.(1) shall be deleted and replaced with the following:

**2510.3.8.a.(1)** *Cam lock covers shall not be placed in roadway pavement unless shown on the plans or directed by the engineer. All other covers shall be cam lock. All covers shall have provisions for opening, such as concealed pick holes.*

**2510.3.8.a** The following shall be added immediately following 2510.3.8.a.(4).

**2510.3.8.a.(5)** *All manhole rings and covers placed in paved areas shall be adjustable to meet any slope and grade of the roadway, from 0 to 17%, and shall be able to be raised or lowered in ¼ inch increments, up to 2¾ inches. Ring height must be adjustable after installation without disturbing the surrounding pavement. The ring and lid shall be rated for H20 traffic.*

**2510.3.12** Sections 2510.3.8.a.(1) shall be deleted and replaced with the following:

**2510.3.12** *Manhole Adjustment Rings: Rings shall be constructed of concrete, HDPE, or recycled rubber.*

*If HDPE adjustment rings are used, they shall be injection molded-recycled HDPE - as manufactured by LADTECH, Inc. or approved equal. They shall be installed as per manufacture's recommendations.*

*If recycled rubber adjustment rings are used, they shall consist of no less than 80%, by weight, recycled rubber and no less than 10% by volume shredded fiber as manufactured by GNR*

*Technologies or approved equal. They shall be installed as per manufacture's recommendations.*

*The top and bottom of all adjustment rings shall be sealed using a mastic filler meeting the requirements of 2510.3.11 or an epoxy paste. The epoxy paste shall be a two component, moisture insensitive, containing no solvents, and compable of bonding with all materials it is to be used on, like Epoxytec Micor C.P.P or approved equal.*

## RESOLUTION

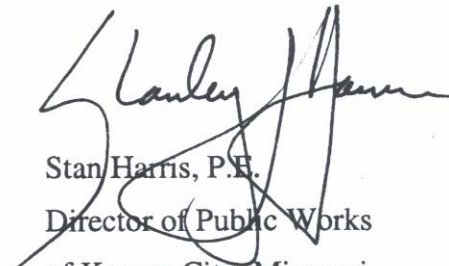
Be it resolved by the Director of Public Works of Kansas City, Missouri that the following listed Section of Division II, Construction and Materials Specifications, approved and adopted December 16, 1992 by the Kansas City Metropolitan Chapter of the American Public Works Association is approved and adopted as Official Standard Construction and Materials Specifications for the Department of Public Works of Kansas City, Missouri with like section and page numbers, except as modified by KCMO supplement no. 1 dated July 1, 1998, KCMO supplement no. 2 dated January 1, 2004, and KCMO supplement no. 3 dated March 1, 2005, and hereby further modified by the attached supplement.

Section 2500 Construction and Material Specifications for Sanitary Sewers.

A copy of said specifications criteria and supplement are attached hereto and incorporated herein by reference.

The criteria shall become effective October 1, 2005 and shall modify all previously adopted supplements to this section.

Approved and adopted as Official Document No. CS060 034  
this 26th day of September, 2005.



Stan Harris, P.E.  
Director of Public Works  
of Kansas City, Missouri