

CITY OF KANSAS CITY, MISSOURI
SUPPLEMENT NO. 3
TO APWA STANDARD SPECIFICATIONS AND DESIGN CRITERIA
DIVISION II, SECTION 2600, STORM SEWERS

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

2602 Pipe Sewer Construction

2602.2.B Insert the following tables into section 2602.2.B.

2602.2.B *Circular Culvert Pipe*
($\frac{3}{4}$ " X $\frac{3}{4}$ " X $7\frac{1}{2}$ " spiral rib)

<u><i>Under Roadways or in Street Right-of-Way</i></u>	<u><i>Not Under Roadways</i></u>		
<u><i>Diameter</i></u>	<u><i>Minimum Thickness</i></u>	<u><i>Diameter</i></u>	<u><i>Minimum Thickness</i></u>
<i>12" – 24"</i>	<i>.064"</i>	<i>12" – 42"</i>	<i>.064"</i>
<i>30" – 42"</i>	<i>.079"</i>	<i>48" – 60"</i>	<i>.079"</i>
<i>48" – 66"</i>	<i>.109"</i>	<i>66" – 84"</i>	<i>.109"</i>
<i>72" – 84"</i>	<i>.138"</i>		

Arch Culvert Pipes
($\frac{3}{4}$ " X $\frac{3}{4}$ " X $7\frac{1}{2}$ " spiral rib)

<u><i>Equivalent Diameter</i></u>	<u><i>Minimum Thickness</i></u>	<u><i>Span*</i></u>	<u><i>Rise*</i></u>
<i>18"</i>	<i>.064"</i>	<i>20"</i>	<i>16"</i>
<i>21"</i>	<i>.064"</i>	<i>23"</i>	<i>19"</i>
<i>24"</i>	<i>.064"</i>	<i>27"</i>	<i>21"</i>
<i>30"</i>	<i>.079"</i>	<i>33"</i>	<i>26"</i>
<i>36"</i>	<i>.079"</i>	<i>40"</i>	<i>31"</i>
<i>42"</i>	<i>.079"</i>	<i>46"</i>	<i>36"</i>
<i>48"</i>	<i>.109"</i>	<i>53"</i>	<i>41"</i>
<i>54"</i>	<i>.109"</i>	<i>60"</i>	<i>46"</i>
<i>60"</i>	<i>.109"</i>	<i>66"</i>	<i>51"</i>
<i>66"</i>	<i>.109"</i>	<i>73"</i>	<i>55"</i>

** Subject to manufacturing tolerances.*

2602 Pipe Sewer Construction

The following paragraph will be inserted immediately following 2602.2.E

2602.2.F High Density Polyethylene Pipe: High density polyethylene (HDPE) pipe shall conform to AASHTO M294 Type S. Acceptable pipe must come from a Plastic Pipe Institute (PPI) certified manufacturer and have passed the PPI 3rd Party Certification testing. Each individual section of pipe shall be marked in accordance with AASHTO M294 and shall be affixed with the PPI Certification label. HDPE pipe shall be joined with water tight joints meeting the requirements of AASHTO M294 Paragraph 7.9.3.

2602 Pipe Sewer Construction

The following paragraphs will be inserted immediately following 2602.3.B.5.b.

2602.3.B.5.c HDPE Pipe: HDPE pipe shall be assembled and installed in accordance with the manufacturer's instructions. For pipe sizes 48 inches and larger, during pipe installation, including placement and consolidation of the rock bedding and backfill to a point 4 feet above the top of the pipe, full time inspection shall be provided by a qualified inspector working under the supervision of a professional engineer. After installation and prior to acceptance, certification by a Missouri Registered Professional Engineer is required and shall state that the installation and backfill conforms to the pipe manufacturers recommendations and the Standard Specifications and Design Criteria of the City of Kansas City, Missouri. Cost of this inspection and certification shall be borne by the Contractor.

During construction of the project in areas subjected to heavy construction equipment traffic, pipe sizes 12" - 42" shall have a minimum cover of 3 feet, and pipe sizes 48" - 120" shall have a minimum cover of 4 feet. Full time inspection for this fill shall be provided by a qualified inspector working under the supervision of a professional engineer who is registered in the State of Missouri. Certification shall be provided as explained in the previous paragraph.

RESOLUTION

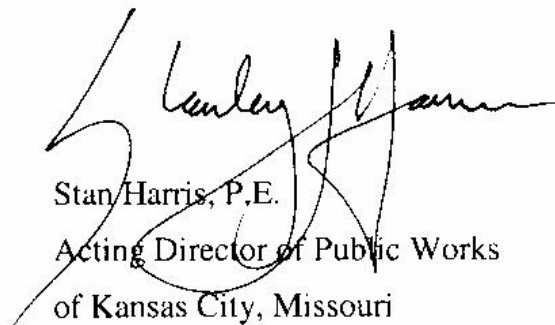
Be it resolved by the Director of Public Works of Kansas City, Missouri that the following listed Section of Division II, Construction and Materials Specifications, approved and adopted April 17, 1996 by the Kansas City Metropolitan Chapter of the American Public Works Association is approved and adopted 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 the replacement pages of the May 2000 KCMO Supplement and hereby further modified by the attached supplement.

Section 2600 Construction and Material Specifications for Storm Sewers

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

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

Approved and adopted as Official Document No. CS050 365
this first day of March, 2005.



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