



May 6, 2020

Attention Broken Arrow Vicinity Development and Public Improvement Civil Engineers:

Re: Broken Arrow Standard Construction Specifications Amendment

- Corrugated Polypropylene Pipe

To All:

The City of Broken Arrow has amended the criteria within the Standard Construction Specifications in regards to storm conveyance pipe materials to include the use of Corrugated Polypropylene Pipe commonly sold as HP Storm. The design criteria manual shall be amended to allow for this pipe material through a separate document. The Standard Construction Specifications shall be amended through this document as follows:

Standard Construction Specifications, Approved August 19, 1999

Section 200 – Streets

204.08 Storm Sewer: Add section

G. Corrugated Polypropylene Pipe:

1. Corrugated Polypropylene Pipe in diameters from 15 inches to 60 inches may be used in storm drainage systems within the City of Broken Arrow outside of and under all roadway classifications.

****This letter is in revision to letter issued in April 2019****

2. Material Specifications: Corrugated Polypropylene pipe shall have smooth interior and annular exterior corrugations for a double wall configuration and conform to ASTM F2881 or AASHTO M330. The bell and spigot and fittings shall be watertight according to the requirements of ASTM D3212. The gaskets shall be factory installed and protected with a wrap. The gaskets shall meet the requirements of ASTM F477.

3. Construction Specifications: Construction of corrugated polypropylene pipe storm sewers shall be in accordance with the manufacturer's recommended construction specifications or the applicable ODOT specifications; whichever is more restrictive.

If additional information is required, please contact the Engineering and Construction Department.

Ethan J.L. Edwards, PE
Director - Engineering and Construction Department