

CITY OF ORILLIA

MATERIAL SPECIFICATIONS FOR SEWER & APPURTENANCES

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**MATERIAL SPECIFICATIONS FOR STORM AND SANITARY SEWERS
AND APPURTENANCES**

NOTE: SPECIFIC TYPES OF ITEMS SUCH AS PVC DR-35 PIPE AS IDENTIFIED IN THE ITEMS IN THE FORM OF TENDER OR IN THE SPECIAL PROVISIONS SHALL GOVERN OVER THIS MATERIAL SPECIFICATIONS LIST.

<u>MATERIAL</u>	<u>FEATURES</u>	<u>MANUFACTURER</u>
<u>PIPE</u>		
Concrete	CSA A.257.2	Forterra, Decast, M-Con, ConCast
<u>PVC</u>		
Gravity	As per design or minimum as follows c/w manhole adapters: OPSS 1841 smooth wall	Ipex, Royal Pipe, National Pipe, Diamond Plastics
100mm	SDR 28	
150mm	SDR 28	
200mm	SDR 35	
250mm	SDR 35	
300mm	SDR 35	
375mm	SDR 35	
450mm	SDR 35	
525mm	SDR 35	
	Gasket BXS, 4m in length.	
Forcemain	CSA B137.3 AWWA C900/C905 Colour coded Green	
<u>FITTING</u>	Gasket BXS or BXB	Ipex, Le-Ron, Multi-Fitting, Galaxy Plastics, Royal Pipe.
<u>TEES</u>	Gasket Bell	Ipex, Le-Ron Multi-Fitting, Galaxy Plastics, Royal Pipe.

<u>MATERIAL</u>	<u>FEATURES</u>	<u>MANUFACTURER</u>
<u>CONNECTIONS / LATERALS</u>	Universal fitting for aftermarket sewer connections to existing sewer lines	Ipex
<u>PLUGS & CAPS</u>	Optional Depending on Application.	Ipex, Multi-Fitting, Galaxy Plastics, Royal Pipe.
<u>MANHOLES</u>	Precast concrete. Top section – cone or flat cap depending on bury.	Forterra, Decast, M-Con, ConCast
Frames and Covers	OPSD 401.010 Type 'A' All lids to have the "storm" or "sanitary" on them as appropriate.	Wotherspoon, Domestic, Concord, Mueller
Manhole Riser Rings	Ductile Iron (25mm, 38mm, 50mm heights)	Sigma
Catchbasin Grate	OPSD 400.100	
<u>Connection to Existing Services</u>	Eccentric connection only	Ipex, Royal