

2019 STANDARD SPECIFICATIONS REVISIONS

Division 4.1 City of Sarnia Watermain Standards

1. WATER SERVICES AND METERS (pg 5)

i) Residential

2. ABANDONING SERVICES (pg 39)

Abandoning services shall be coordinated and witnessed by the Development Engineering Department staff. The work shall be completed before the Engineering Department's signing off on the demolition application form.

Commencement of the demolition project before the services can be disconnected and capped, the owner shall provide a deposit to the City.

Division 4.2 City of Sarnia Sewer Standards

1. Service Laterals (pg4)

Clean out caps to be cast iron cap and/or must be locatable and installed to finished grade. Caps to be Emco# DF 44 c/w solvent weld bushing or approved equal.

2. CORRUGATED PIPE – removed

3. CULVERTS (pg 4)

Culverts shall be new Aluminized Type 2 corrugated steel pipe (CSP) with a 2.8 mm wall thickness in all cases. All corrugation profiles shall be of helical lockseam manufacture using 68mm x 13mm corrugations for culverts 1600mm dia. and smaller and 125mm x 25mm corrugations for greater than 1600mm dia. Pipe with 125mm x 25mm shall be used if 68mm x 13mm corrugations.

Multiple culverts shall be connected using a standard corrugated coupler fitted with bolts and angle attachments.

End protection shall be rip rap ends with 1.5:1 side slopes. The rip rap shall be placed on a layer of filter fabric and consisting of 100mm x 250mm quarry stone or approved equal.

4. INSTALLATION OF CULVERTS (pg 17)

5. BACKWATER VALVE DEVICES (pg 7)

In construction of a new Single Family Dwelling (Single Detached, Semi Detached, Row housing) that is served by a public sanitary sewer and where plumbing fixtures are located below the level of the adjoining street (basement), a backwater valve shall be installed in the sanitary building drain. The backwater valve shall be installed upstream, or in lieu of, the sanitary building drain cleanout. A backwater valve that is installed in a building drain may not serve more than one dwelling unit.

Work shall include opening the floor; making the connection to the internal plumbing pipe, being the final outlet connection to the dwelling, upstream of the building drain cleanout; all necessary fittings to make the connection; including a riser, acceptable backfill material to support the work and floor, access cover, and satisfactory restoration of the concrete floor.

Backwater valve device design and installation shall be installed and maintained by the owner at their expense and shall be readily accessible for inspection by County of Lambton Building Services. Backwater Valve Devices shall consist of a “normally open” design, conforming to CAN/CSA-B70, CAN/CSA-B181.1, CAN/CSA-B181.2, CAN/CSA-B182.1 and manufactured by Mainline backflow products – Adapt-a-valve only.

All work to be done in conformance with the Ontario Building Code 2012 .

This item shall include any plumbing permits required by the County of Lambton Building Services.

6. ABANDONING SERVICES (pg 21)

Abandoning services shall be coordinated and witnessed by the Development Engineering Department staff. The work shall be

completed before the Engineering Department's signing off on the demolition application form.

Commencement of the demolition project before the services can be disconnected and capped, the owner shall provide a deposit to the City.

i) Permanently

Sanitary and storm laterals shall be excavated at the property line and capped with a water tight fitting. For any material that is not PVC, a Fernco fitting to a PVC stub and a water tight cap must be installed. Services must be marked with a stake buried 1.20 meters deep with approximately 30 cm extended above ground as a location marker as per City of Sarnia Standard drawing 2064-S.

Division 5.0 City of Sarnia Standard Drawings

Delete 87-SF – revision as per 1003.030

Revised 114 SF to 2600

Revised 120-F