



MUNICIPAL DEVELOPMENT STANDARDS

SECTION 10 – ABANDONING EXISTING INFRASTRUCTURE

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Planning & Engineering

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10 ABANDONING EXISTING INFRASTRUCTURE

10.1 Manholes

For manhole abandonment, plug all pipes with non-shrink grout, remove and dispose of manhole to 1.0 m below ground and fill with fillcrete.

10.2 Catch Basins

For abandonment of catch basins follow the procedure for abandonment of manholes.

10.3 Sewers

Abandon existing sewers and sewer services by plugging one end as noted below and completely filling the sewer or sewer service with cement-stabilized flowable fill and then sealing it as noted below. Confirm all active sewer services have been disconnected from the sewer main being abandoned and have been reconnected to a new sewer main before filling the sewer.

For concrete pipe 300 mm to 675 mm in diameter, place sandbags or other firm backing 300 mm inside the abandoned sewer and seal with concrete. Break out a section of the pipe invert in front of the sandbags to allow the concrete to key into the pipe to prevent shifting of the plug.

For PVC pipe 300 mm to 675 mm in diameter, place sandbags or other firm backing 300 mm inside the abandoned sewer and seal it using a manufactured compression style plug.

The method for plugging each end of sewer pipes larger than 675 mm must be detailed on the drawings or specified elsewhere, and approved by the City prior to work commencing.

10.4 Abandoned Service Connections

If an existing water service connection is to be abandoned on a PVC water main, the main stop may be turned off and left in place. On all other water mains, the main stop must be removed and a stainless steel repair clamp installed on the water main. In cases where a tee is utilized instead of a main stop, if the tee is in good condition an engineered plug may be used, with a thrust block placed as per Standard Drawing 6-304. The entire tee must then be covered in sulphate resistant concrete that will achieve a minimum strength of 25 MPa in 28 days. In either case, the curb stop and service box must also be removed.

For sanitary and storm services, if the tee or saddle is in good condition a cap may be installed, with Speed Plug or an approved equivalent placed around the tee and cap. If the tee or saddle is not in good condition, it must be removed and the main repaired. If there is an inspection riser or manhole, it must be removed.

All service abandonments must be inspected by the City. If not inspected as part of the lateral service installation, inspections can be requested using the same procedure identified in Section 11.10.6.

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