



481-2019 ADDENDUM 2

2018 SEWER RENEWALS BY CIPP LINING – CONTRACT 2

URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE
TENDER**

ISSUED: December 16, 2019
BY: Nathan Kehler
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**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE TENDER AND SHALL FORM A PART
OF THE CONTRACT DOCUMENTS**

Template Version: A20190115

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Tender, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid may render your Bid non-responsive.

PART E – SPECIFICATIONS

Add: E7.3.3(d)(iii)

Design basis for hydraulic bypass is as follows:

- ◆ Friction losses in the pipe were calculated using the Hazen-Williams equation.
- ◆ Minimum allowable head loss in existing system: 0.64 m
 - ◆ Assumes the following:
 - ◆ 236 m of 254 mm ID Cast Iron Force Main (HW C = 100)
 - ◆ Design Flow: 31 L/sec
- ◆ Maximum head loss in the example provided: 1.28 m
 - ◆ Assumes the following:
 - ◆ 236 m of 254 mm ID Cast Iron Force Main (HW C = 100).
 - ◆ 60 m of 200 mm bypass (HW C = 90)
 - ◆ Minor losses accounting for 0.05 m
 - ◆ Free Discharge
 - ◆ Design Flow: 31 L/sec

Add: E7.3.3(i)

The following manhole information is provided for planning purposes.

- (i) The first manhole upstream of S-MH00014067 on Sutherland Ave is S-MH00014105, which is located approximately 228 m upstream at approximately 5 Sutherland Avenue, in the westbound lanes.
- (ii) The first manhole upstream of S-MH20017433 on Main Street is S-MH20017375, which is located approximately 323 m upstream at approximately 668 Main Street, in the northbound lanes.
- (iii) The first manhole downstream of S-MH20017433 on Main Street is S-MH00012082, which is located approximately 154 m downstream at approximately 820 Main Street, in the southbound lanes.