



# 599-2023 ADDENDUM 5

## 2023 Sewer Renewals by CIPP Lining – Contract 5

### URGENT

**PLEASE FORWARD THIS DOCUMENT TO  
WHOEVER IS IN POSSESSION OF THE  
BID/PROPOSAL**

ISSUED: November 17, 2023  
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**THIS ADDENDUM SHALL BE INCORPORATED  
INTO THE BID/PROPOSAL AND SHALL FORM  
A PART OF THE CONTRACT DOCUMENTS**

Template Version: Add 2021-03-05

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

### PART E – SPECIFICATIONS

Revise: E7.3.5 to read: Site Specific Requirements

- (a) The Contractor is advised that asset S-MA20016571 terminates within a downstream asset (blind shot). Access to the downstream end of the liner may be through S-MH20014911, requiring bypass of the upstream system. Bypass requirements are provided in Appendix D.
- (b) **The Contractor is advised that a 600 mm force main discharges directly into the upstream MH of asset S-MA50017485 (Drawing 13372). The force main is connected to the Mager Pump Station and station flows cannot be diverted to an alternate location. This will impact the lining of the above asset and to a lesser extent the lining of asset S-MA50017468 (Drawing 13371).**
  - (i) **The following information regarding Mager Pump Station may be used in assessing bypass requirements in addition to Appendix D.**
    - i. Pump 1 Flow: 340 L/s
    - ii. Pump 2 Flow: 250 L/s
    - iii. Both Pump Flow: 470 L/s
    - iv. 2023 Spring Average Day Time DWF: 250 L/s
    - v. 2023 Summer Average Day Time DWF: 130 L/s
    - vi. Note that 2023 was considered a dry rainfall year. Average day time flows for 2024 may be higher based on weather conditions.
  - (ii) **For asset S-MA50017485 (Drawing 13372) preliminary engineering review of the pump curves for the Mager Pump Station confirm that re-pumping of the force main effluent is not required and that a pressure tight connection to the force main, and simply extending it with approximately 365 m of 600 mm NPS, DR17 HDPE pipe to the first MH downstream of S-MH50014197 (the MH at Crystal Avenue) without supplementary pumping is sufficient.**
  - (iii) **Asset S-MA50017468 (Drawing 13371) would be required to be bypassed in a conventional manner with re-pumping across the work area.**
  - (iv) **For bidding purposes, the Contractor shall assume that short duration shutdowns of 4 hours in duration can be accommodated to facilitate the following:**
    - i. **For the relining of S-MA50017485 (Drawing 13372)**
      - a) **Connection to the force main that discharges to MH S-MH50014198 and the by-pass piping which would presumably be put in place prior to the connection.**

- b) The means of connection shall be dictated by the Contractor's means, methods and techniques and would include any method assuring a watertight connection to the by-pass piping including excavation outside of the manhole to facilitate either a wet tap or temporary piping modifications; or extension of the 600 mm by-pass through a modified MH S-MH50014198.
- c) Upon completion of the works, restore the force main to its original arrangement with new permanent piping and backfill as per standard City specification for pressure pipe applications.
- ii. To facilitate the lining of asset S-MA50017468 (Drawing 13371).
  - a) Install a conventional by-pass to facilitate the relining of the specified section and remove same following completion of the works.
- (v) Both of the above operations shall be developed as formal work statements and Shop Drawing submissions to facilitate review and incorporation into the Contract.

## **APPENDICES**

Replace: 599-2023\_Appendix\_B with 599-2023\_Addendum\_5-Appendix\_B-R1.