Corporate Finance Department
Purchasing Division

1138-2025 ADDENDUM 4

2025 SEWER RENEWALS BY CIPP LINING – CONTRACT 5

ISSUED: June 3, 2026
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URGENT

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

THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID/PROPOSAL AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: Addendum 2026-03-10

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.

FORM B: PRICES

Replace: 1138-2025 Form B: Prices with 1138-2025 Addendum 4 - Form B: Prices. The following is a summary of changes incorporated in the replacement Bid/Proposal Submission:

Form B(R2): Revise Spec Reference for Item 2.(c);

Revise Description for Items 2.(d), 3.(d), 6.(a)(i), and 7.(d);

Revise Quantity for Items 4.(c)(i) and 4.(c)(ii);

Add Provisional Item 11.(m) – Grout S-MA20008912 Connection to Trunk Sewer

Page numbering on some forms may be changed as a result.

PART B – BIDDING PROCEDURES

Revise: B2.1 to read: The Submission Deadline is 12:00 noon Winnipeg time, June 8, 2026.

PART E – SPECIFICATIONS

Delete: E5.4.7(c)(i)

Revise: E8.4.5(a) to read: S-MA20009009, S-MA70100290, S-MA70100297 (Portage Ave at Route 90);

i. Riverbend Lift Station
   a. Located approx. 270 m upstream at Portage Ave and Riverbend Cres.
   b. Max. discharge with 1 pump operating: 160 L/s
   c. Average measured flow at station output: 78 L/s
ii. Ferry Road Lift Station
   a. Located approx. 1480 m upstream at Ferry Rd and Assiniboine Ave.
   b. Max. discharge with 1 pump operating: 110 L/s
   c. Average measured flow at station output: 56 L/s
iii. As per E8.4.3 and E8.4.4, the following conditions have been estimated using the City's sewer collection system hydraulic model, and may be considered representative for bidding and planning purposes. The Contractor shall review and confirm actual conditions on site prior to construction.

a. DWF from both pump stations is averaged and buffered to approx. 41.4 L/s at the upstream siphon chamber S-MH20008313.
b. Peak DWF depth at upstream siphon chamber is estimated to be at or below springline of the incoming 900 mm gravity sewer with any 2 of 3 siphons in operation.

iv. Pump station operational data can be provided to the successful proponent if requested.

Revise: E8.4.6(c)(iii) to read Passive flow diversion within the upstream and downstream siphon chambers shall be utilized at this site in lieu of pumped bypass. Overland bypass pumping of sewage flows is not considered part of the scope of work. Flow Control submissions shall include a detailed sketch of the proposed diversion configuration for each siphon. Appendix E – Record Drawings details the existing stop-log groove configuration within the upstream siphon chamber, however the present condition of the stop-log system is unknown. The Contractor shall develop siphon isolation plans based on the information available, and preliminary site investigations during the Work.

Revise: E8.4.6(c)(vii) to read: The Contractor shall provide maintenance control of nuisance water as required to maintain isolated areas within each siphon chamber in workable condition.

Add: E12.6.7 Feeder main shutdowns will typically only be permitted between September Long Weekend and May Long Weekend of any given year.

Add: E12.6.8 If approved, feeder main shutdown requests will be scheduled based on a number of factors including routine maintenance and repair work, water demand, weather and other factors. The City shall endeavour to make the specified time periods available to the Contractor to schedule the Work requiring isolation and draining of various feeder mains, without limiting the City's control over the operation of the regional water system to complete other work, maintain adequate system service and maintain the integrity of the infrastructure. The City shall reserve the right to cancel and/or delay these schedule dates at any time, due to any circumstances that could adversely affect water supply system operation, including but not limited to high water demand, abnormal weather, failures of related water system components and/or security concerns.

Add: E13.3.5: Sewer Siphon Cleaning

(a) Objectives:
  i. Cleaning of sewer siphons is necessary to ensure the CIPP liners obtain a tight fit with the host pipe and are installed in a manner consistent with long term design objectives.
  ii. The objective of the cleaning operation is to remove loose and hardened debris from the existing pipelines, resulting in a clean pipe and uniformly round conduit for installation of the CIPP liner.
  iii. The interior surfaces of the pipes to be lined shall be cleaned sufficiently to remove debris, physical obstructions, sedimentation deposits, tuberculation, biological deposits, substantial accumulations of oil, grease, debris, or other foreign matter larger than 25 mm in diameter, to within approx. 12 mm (1/2 inch) of the existing pipe wall or better.
  iv. Cleaning existing host pipe to bare steel is not required.
  v. Bond of the CIPP liner to the interior wall of the host pipe is not required.
(b) Dewatering of the sewer siphons to facilitate cleaning and inspection is permitted.
(c) The Contractor may employ a combination of high pressure flushing, pigging, mechanical cleaning, or other methods to ensure the host pipes are cleaned sufficiently to meet the stated objectives.
(d) Internal pipeline diameters presented in Appendix E – Record Drawings may be used for planning purposes. The Contractor is responsible to confirm the inner pipe diameters as necessary prior to undertaking the cleaning work.

Add: E13.3.6: Sewer Siphon Cleaning - Submittals

(a) The Contractor shall submit a sewer siphon cleaning plan at least twenty (20) Business Days in advance of the work for review by the Contract Administrator. The plan shall include at a minimum:
    i. Proposed cleaning method(s);
    ii. Tools and equipment required;
    iii. Details of foam pigs to be used, if relevant;
    iv. Means of debris collection and disposal.

Add: E13.3.7 Sewer Siphon Cleaning – Equipment

(a) High velocity flushing equipment shall meet the requirements of CW2140
(b) Winch lines for pigging shall be one of: synthetic rope/cable; steel cable; braided flusher hose.
(c) Winch lines should have a minimum tensile capacity of 1.5 times the maximum capacity of the winch. Minimum tensile strength for the winch line shall be 60 kN (13,490 lbs) or as required to facilitate cleaning operations, whichever is greater.
(d) Winches shall have sufficient load capacity to facilitate cleaning operations, and shall be fitted with gauges capable of monitoring winching loads. Winching loads shall be monitored at all times to ensure the load rating of the winch lines and cleaning pigs is not exceeded. Controls on winch output shall be implemented when winch lines do not meet the tensile capacities noted herein relating to winch capacity, limiting winch loads to 66% of the tensile capacity of the winch line.
(e) Pigs shall be appropriately sized for the sewers to be cleaned, and shall be capable of navigating the geometry of the pipeline.
(f) Towed cleaning equipment must be capable of being towed in both directions for retrieval, if required.
(g) Flushing equipment shall conform to CW2140 and may be utilized for removal of debris from pipelines.

Add: E13.4.8 Sewer Siphon Cleaning – Methods

(a) The contractor shall not deviated from the submitted and accepted cleaning plan without notification to and acceptance by the Contract Administrator.
(b) Pigging
    i. Where applicable, provide pig launch tubes, pipe and fittings, including valves.
    ii. (Winch lines shall be inserted into the pipelines for cleaning purposes. Winch lines may be inserted by high pressure flusher nozzle, flow drone or other accepted method.
    iii. Cleaning pigs and scrapers shall be tethered on each end and be capable of being winched in either direction, in the event that they are prevented from traversing the entirety of the crossing.
    iv. Pigging shall be completed in a progressive manner, commencing with undersized soft pigs before proceeding to more aggressive cleaning pigs.
    v. Cleaning operations shall continue until the Contract Administrator is satisfied that the pipe is sufficiently clean for lining, meeting the objectives stated herein.
(c) Alternative cleaning methods other than those noted herein may be utilized upon review and acceptance by the Contract Administrator.
(d) The Contractor shall be responsible for the retrieval of any cleaning equipment which becomes stuck in the host pipe, and the repair of any damage to the host pipe caused by the Work or the retrieval process.
(e) Disposal of Solid Debris:
    i. Water and or sewage removed from the pipelines may be decanted into nearby WWS manholes as approved by the Contract Administrator.
    ii. Solid debris shall be hauled off site as per CW 2140.

Add: E13.7.15: Sewer Siphon Cleaning Measurement and Payment

(a) Sewer Siphon Cleaning will be measured on a Lump Sum basis and paid for at the Contract Lump Sum price for "Sewer Cleaning – Portage Ave Siphons" for each respective siphon pipe. The Lump Sum price to be paid shall include all equipment, labour, and effort required to complete the Work.

Add: E14.5.9 CIPP Liner Design for Portage Ave Siphons

(a) Bid prices shall be based on available pipeline diameter information presented in Appendix E – Record Drawings. Pipeline measurements shall be confirmed on site at the earliest opportunity prior to lining.
(b) Further to Specification E14.5, CIPP liners for Portage Ave siphons (Drawing 13911) shall be designed in accordance with Appendix X1 of ASTM F1216 for the following conditions at a minimum:
    i. Partially Deteriorated Gravity Pipe Condition per equations X1.1 and X1.2 for both Long Term and Short Term loading conditions with appropriate time-dependent material strength properties.
        - Section X1.4 Negative Pressure does not apply.
    ii. Hole Spanning per equation X1.6 for both Long Term and Short Term loading conditions with appropriate time-dependent material strength properties.
        - External hydrostatic pressure may be considered as a reduction to the internal pressure.
(c) Material strength creep retention values shall be considered as follows:
    i. Long Term Loading Conditions: 50-year projected values.
    ii. Short Term Loading Conditions: 60-day projected values.
(d) Hole diameter for equation X1.6: 50 mm.
(e) Design grade elevation at Portage Ave: 234.16 m
(f) Design invert elevation at bottom of siphon: 223.95 m
(g) Design cases to be checked are provided as follows.

Design Case	Design Scenario	Load Duration	GWT Elevation (m)	Internal Pressure Head (m)
1	Gravity Pipe Eq. X1.1 & X1.2	Long Term	232.16	0.0
2	Hole Spanning Eq. X1.6	Short Term	226.50	10.2
3	Hole Spanning Eq. X1.6	Long Term	226.50	7.1

Revise: E14.8.1(b)(xxi) Bullet 1 to read: 525 mm dia. intake pipe for Riverbend lift station connected to 2250 mm trunk sewer (S-MA20008914).

Add: E14.8.1(b)(xxii) Bullet: Structural modifications of the siphon chamber reinforced concrete roof slabs is not permitted. CIPP liner inversion in the upstream direction may be considered due to chamber geometry.

DRAWINGS

Replace: 1138-2025 _Drawing_13911-R0 with 1138-2025 _Addendum_4 -Drawing_13911-R1

APPENDICES

Replace: 1138-2025_Appendix_A with 1138-2025_Addendum_4-Appendix_A

Replace: 1138-2025_Appendix_B with 1138-2025_Addendum_4-Appendix_B

NOTE TO BIDDERS: QUESTIONS AND ANSWERS BELOW DO NOT FORM PART OF THE CONTRACT

QUESTIONS AND ANSWERS

Q1: Please confirm that a Hammerhead spot repair for the TPR called out on Dwg 13910 will be acceptable.

A1: TPR designs and product information submittals are required in accordance with E14.4 and will be reviewed accordingly. Hammerhead spot repair system has been acceptable on past City of Winnipeg projects.

Q2: Please confirm if both grouting and installation of a TPR is required at S-MA20008912.

A2: Tender pricing shall be based on the installation of a TPR at this location. However, as noted in E14.8.1, the actual condition of the pipe is unknown, and a pre-repair inspection is required at the start of construction to confirm the scope of work. A provisional item for grouting has been added to Form B, in the event that grouting is required in addition to, or in lieu of, the tendered TPR.

Q3: Is there any geotechnical information available for the siphon location (Dwg 13911)?

A3: No.

Q4: Can CIPP curing water be discharged into the parallel 300 mm combined sewer running west along Portage Ave at a controlled discharge rate?

A4: Yes. Or curing water can be pumped directly into the adjacent siphons or downstream system.

Q5: Regarding acceptance of siphon liner installation, will CIPP samples be required to be confirmed and accepted prior to lining the next siphon?

A5: No. Only post-lining CCTV inspection to confirm the liner has been successfully installed will be required.