



936-2024 ADDENDUM 1

WINDSOR PARK 2025 LIFT STATION UPGRADES

URGENT

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

ISSUED: 2024-12-04
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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 D – SUPPLEMENTAL CONDITIONS

Revise: D22.3 to read: The City intends to award this Contract by **March 3, 2025**.

PART E – SPECIFICATIONS

Revise: E30.5(d)(ix) to read:

Locations:

- (a) P-L01 Motor **Non-Drive** End (Upper) (VT-L010-1) Bearing Vibration;
- (b) P-L01 Motor Drive End (Lower) (VT-L010-2) Bearing Vibration;
- (c) P-L01 Pump Drive End (Upper) (VT-L010-3) Bearing Vibration;
- (d) P-L01 Pump **Non-Drive** End (Lower) (VT-L010-4) Bearing Vibration;
- (e) P-L02 Motor **Non-Drive** End (Upper) (VT-L020-1) Bearing Vibration;
- (f) P-L02 Motor Drive End (Lower) (VT-L020-2) Bearing Vibration;
- (g) P-L02 Pump Drive End (Upper) (VT-L020-3) Bearing Vibration;
- (h) P-L02 Pump **Non-Drive** End (Lower) (VT-L020-4) Bearing Vibration;
- (i) P-L03 Motor **Non-Drive** End (Upper) (VT-L030-1) Bearing Vibration;
- (j) P-L03 Motor Drive End (Lower) (VT-L030-2) Bearing Vibration;
- (k) P-L03 Pump Drive End (Upper) (VT-L030-3) Bearing Vibration; and
- (l) P-L03 Pump **Non-Drive** End (Lower) (VT-L030-4) Bearing Vibration.

Revise: E30.5(e)(d) to read: Provide high temperature detection at the following locations **below. Temperature switches shall include normally open and normally closed output contacts rated for 24 VDC and shall meet Canadian approval.**

Revise: E30.5(e)(e) to read: Provide **RTD (3-wire 100 ohm platinum) temperature sensors** at the following locations:

Locations:

- (i) P-L01 Motor **Non-Drive End** (Upper) (**TE-L010-1**) Bearing Temperature;
- (ii) P-L01 Motor Drive End (Lower) (**TE-L010-2**) Bearing Temperature;
- (iii) P-L01 Pump Drive End (Upper) (**TE-L010-3**) Bearing Temperature;
- (iv) P-L01 Pump **Non-Drive End** (Lower) (**TE-L010-4**) Bearing Temperature;
- (v) P-L02 Motor **Non-Drive End** (Upper) (**TE-L020-1**) Bearing Temperature;
- (vi) P-L02 Motor Drive End (Lower) (**TE-L020-2**) Bearing Temperature;
- (vii) P-L02 Pump Drive End (Upper) (**TE-L020-3**) Bearing Temperature;
- (viii) P-L02 Pump **Non-Drive End** (Lower) (**TE-L020-4**) Bearing Temperature;
- (ix) P-L03 Motor **Non-Drive End** (Upper) (**TE-L030-1**) Bearing Temperature;
- (x) P-L03 Motor Drive End (Lower) (**TE-L030-2**) Bearing Temperature;
- (xi) P-L03 Pump Drive End (Upper) (**TE-L030-3**) Bearing Temperature; and
- (xii) P-L03 Pump **Non-Drive End** (Lower) (**TE-L030-4**) Bearing Temperature.

Add: **E53**

EXPEDITED SHOP DRAWINGS

Add: E53.1

In order to expedite Shop Drawings with critical timelines, the bidder of the Lowest Evaluated Responsive Bid, as outlined in B18.1, after receiving written approval from the Contract Administrator, is to arrange for the preparation of Shop Drawings for the following items with critical timelines.

- a) Three (3) wastewater lift pumps (P-L01, P-L02 and P-L03) as indicated in E30.3.
- b) Three (3) wastewater lift 75 HP motors (MTR-L01, MTR-L02, MTR-L03) as indicated in E30.4
- c) Three (3) four hundred (400) mm gate valves (HV-L011, HV-L021, HV-L031) manually actuated rising stem as indicated in E33.
- d) Three (3) four hundred (300) mm gate valves (HV-L013, HV-L023, HV-L033) manually actuated rising stem as indicated in E33.
- e) One (1) four hundred fifty (450) mm (HV-L300) and one (1) four hundred (400) mm (HV-L310) gate valves, manually actuated rising stem, chain wheel operated as indicated in E33.
- f) Two (2) three hundred (300) mm gate valves (HV-L413, HV-L423) manually actuated non-rising stem, chain wheel operated as indicated in E33.
- g) Three (3) three hundred (300) mm process check valves (CV-L012, CV-L022, CV-L033) with "hold-open" device as indicated in E34.
- h) One (1) four hundred fifty (450) mm (XV-L412) and one (1) four hundred (400) mm (XV-L422) process plug valves, suitable for electrically (on/off) actuated as indicated in E35.
- i) One (1) standby natural gas generator (GEN-L72) as indicated in E37.
- j) One (1) Automatic Transfer Switch (ATS-L72) as indicated in E37.
- k) Three (3) Variable Frequency Drive Enclosures (VFD-L01, VFD-L02, VFD-L03) and PLC-L82 as part of Standardized PLC Control System and Motor Control Equipment indicated in E13.
- l) Two (2) Motor Control Centres (MCC-L71, MCC-L72E) as part of Standardized PLC Control System and Motor Control Equipment indicated in E13.

- m) One (1) Programmable Logic Controller (PLC-L82, HMI-L82) as part of Standardized PLC Control System and Motor Control Equipment indicated in E13.
- n) Two (2) electric valve actuators (XV-L412, XV-L422) as part of Standardized Electric Valve Actuators indicated in E14.

Add: E53.2 If Award is made to the Lowest Evaluated Responsive Bidder, no payment for the expedited preparation of Shop Drawings will be made.

Add: E53.3 If no contract is awarded, then the City of Winnipeg will pay the requested Bidder up to a maximum of five hundred dollars (\$500.00) for each of the requested submissions noted above, for the preparation and delivery of Shop Drawings. Delivery of Shop Drawings to the City and payment of the above amounts will constitute full and final consideration for each party to the other, and neither party will have any further liability to the other with respect to this Tender.

DRAWINGS

General Drawings

Add: 936-2024936-2024 _Addendum_1 _Drawing_1-0197L-D0001-001-00

Add: 936-2024_Addendum_01_Drawing_1-0197L-D0002-001-00

Add: 936-2024_Addendum_01_Drawing_1-0197L-D0003-001-00

Automation Documents

Remove: 5-0197L-A0002-001 DNP3 MAPPING IO LIST PLC-L81

Remove: 5-0197L-A0004-001 PROCESS CONTROL NARRATIVE PLC-L81

Remove: 5-0197L-A0005-001 PLC PROGRAMMING REPORT PLC-L81

NMS SPECIFICATIONS

Section 09 01 90.63

Revise: 3.7.1.4.1 to Read: Refer to 09 67 23

APPENDIX C: COMMISSIONING FORMS

Replace: 936-2024_Appendix_C-Commissioning_Forms with 936-2024_Addendum_01_Appendix_C-Commissioning_Forms

APPENDIX D: INSTRUMENT LIST

Replace: 936-2024_Appendix_D-Instrument_List with 936-2024_Addendum_01_Appendix_D-Instrument_List

QUESTIONS AND ANSWERS

Q1: Are bidders required to attend both site visits?

A1: No, bidders are only required to attend one (1) site visit. As outlined in B18.1 (c), any bidder that does not attend at least one (1) site visit, their bid will be determined to be non-responsive and will not be further evaluated.

Q2: Where are the planned pump and motor sensors?

A2: E30.5(d)(ix), E30.5(e)(d) and E30.5(e)(e) clauses above.

Q3: NMS Sections 09 01 90.63 and 09 67 23 specify different epoxy flooring systems. Please resolve the inconsistency.

A3: Refer to the revision to NMS Section 09 01 90.63 above. Section 09 67 23 is to govern.

Q4: When is the new fire hall construction project expected to be complete?

A4: The Windsor Park Fire Hall construction work is expected to achieve Substantial Performance by end of 2024 with seasonal deficiencies being completed by Spring 2025.

Q5: When is bypass pumping allowed?

A5: Windsor Park Lift Station has peak dry weather flows of approximately 30 L/s and peak wet weather flows estimated at greater than 600 L/s. Bypass pumping will only be allowed during winter season (approximately November 1, 2025 – February 28, 2026).

Q6: When can Generator Building work happen?

A6: Windsor Park Generator Building can happen anytime in the year. The preference is to have building work performed in the summer months. The permanent generator can only be taken offline and replaced during the winter season (approximately November 1, 2025 – February 28, 2026). The generator is required to be available for use for March 1, 2026, otherwise the Contractor will be required to keep a mobile generator on site at all times until the permanent generator has been approved for use.

Q7: Is Lift Station top slab (Storm Pump Room roof) coming off?

A7: Yes the Lift Station top slab (Storm Pump Room roof) will be required to be temporarily removed so that storm pump and piping can be removed. It is also in poor condition and marked for replacement.

Q8: Where are new cables to be trenched?

A8: See 1-0197L-C0001 in this tender and note existing cables in 1-0197L-E0003-001_r00 in Appendix A. **Please note that the installation must be trenchless under the fire hall driveway such that emergency vehicle passage is not impeded.**

Q9: There is a lighting pole pile near the Generator Building westward expansion, is removal of this pile part of the scope?

A9: The lighting pole pile is for a permanent street light that will be installed. The pole location will not be in the way of the new Generator Building expansion. The Contractor will need to hydrovac around the light pole and Generator Building westward expansion to expose the buried wiring during construction. Should the pile be required to be relocated, the costs for relocating would get applied towards the Extra Work Allowance.

Q10: How is the contractor expected to get the steel pipework and plates into the wet well for bypass pumping modifications?

A10: The top concrete slab is to be removed as part of this project, so the wet well access chamber should be open from the top. The pipework is expected to fit down the existing hatches. Plates may have to be inserted in pieces and bolted or welded together.

Q11: How many sewer pipes discharge into the wet well?

A11: The pipes connecting include two (2) 600mm sewer pipes and a 375mm sewer pipe from the south along with a 1500mm concrete storm relief sewer from the west. The two (2) 600mm sewers connect to a common manhole vault just south of the lift station. See historical drawing 77012-01-2 R2 in Appendix A of this tender.

Q12: Which lanes of traffic may be closed?

A12: Only the turning, merging lane just north of the lift station may be closed. All lanes of north-south and east-west traffic must remain open.

Q13: Is it possible that the connection points of new piping to existing force main might be under the road?

A13: For the purpose of bidding this task, contractor is to assume the connection points are not located under the road. The precise location of existing force mains is unknown. The contractor is to expose the piping and notify the Contract Administrator for review. The location of connection points will be confirmed at this point. Pipe alignments may be adjusted in order to prevent the connection points from being under roadways. Vertical shoring of excavations is probable. The City will not allow for a lane closure unless no other option is available.

Q14: Are Jersey Barriers necessary around the excavation – in addition to security fencing – to prevent vehicles from crashing through fencing and into the open excavation?

A14: The Contractor will be required to secure the area such that vehicles and/or pedestrians are not able to enter the construction area in compliance with all Workplace Safety and Health Act and Regulations. Jersey Barriers and/or reflective cones are expected to be required. The Contractor will be required to carry the costs to provide temporary fencing, bollards, jersey barriers, etc to prevent vehicles along with pedestrians from entering the construction area.

Q15: Is Wet Well refurbishment work part of the contract?

A15: Full Wet Well refurbishments (such as major concrete work) is not part of the contract. There will be minor touch ups required. The Contractor will need to drain and clean the Wet Well so the Contract Administrator can inspect. If major refurbishment work is required from the Contract Administrator's inspection report, there would be a separate tender contract for this work.

Q16: Can the tender closing date be extended?

A16: No, the tender closing date is not planned to be extended at this time. Extending the closing date into the new year puts increased pressure on the lowest qualified bidder to meet the winter 2025 / 2026 installation window. The plan is to give the lowest qualified bidder as much time as possible to procure long lead items so the pumps, valves, piping and generator can be replaced during the 2025 / 2026 winter season.

Q17: Please confirm if the following mechanical equipment are approved equals:

Heat Recovery Ventilator: Oxygen8 or Nu-Air as equal to specified Renewaire

Exhaust Fan: Loren Cook as equal to specified Greenheck

Motorized Dampers: Alumavent as equal to specified Greenheck

Grilles, Registers, and Diffusers: Nailor as equal to specified Price

Ductless AC (SC Split): Daikin or Gree as equal to specified Hitachi

Filters: Camfil as equal

Sump Pump: Bell & Gosset as equal to specified Liberty

A17: Alternates may be approved in the shop drawing phase provided that the products meet or exceed specified performance and specifications.

Q18: Are bearing temperature transmitters being provided with the pumps?

A18: The motor and pump bearing vibration transmitters and RTD temperature sensors are being provided by the pump supplier. The provided motors will also include high temperature detection. The bearing temperature transmitters (for converting the RTDs to 4-20mA signals) shall be procured by the contractor as part of the standardized instrumentation equipment. Please refer to the revised E30.5(e)(e) clauses above.

Q19: Is the Contractor required to do the PLC programming? If yes, the DNP3 Mapping I/O List, Process Control Narrative and PLC Programming Report from the Automation Documents are missing as part of the tender package.

A19: The Contractor will not be doing PLC Programming. The Contract Administrator representative will be doing the PLC programming. Please refer to the removed Automation Documents clauses above.