



# 936-2024 ADDENDUM 3

## WINDSOR PARK 2025 LIFT STATION UPGRADES

### URGENT

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

ISSUED: 2024-12-17  
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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: E33.2 to read: **Metal Seated and Non-Metal Resilient Seated** Gate Valves

Revise: E33.2.1 to read: Description

- (a) Three (3) four hundred (400) millimetre gate valves – Manually actuated [HV-L011, HV-L021, HV-L031], Rising Stem, **Metal Seated**;
- (b) Three (3) three hundred (300) millimetre gate valves – manually actuated [HV-L013, HV-L023, HV-L033], Rising Stem, **Metal Seated**;
- (c) One (1) four hundred fifty (450) millimetre gate valve – Manually actuated [**HV-L411**], Rising Stem, Chain wheel-operated, **Metal Seated**;
- (d) One (1) four hundred (400) millimetre gate valve – Manually actuated [**HV-L421**], Rising Stem, Chain wheel-operated, **Metal Seated**;
- (e) Two (2) three hundred (300) millimetre gate valves – manually actuated [HV-L413, HV-L423], to be installed within the bypass vault in accordance with contract drawings. Non-rising stem, **Resilient Seated**.

Revise: E37.11 (h) (v) (ii): Simplex; or

Add: E37.11 (h) (v) (iii): Elecon Power; or

Add: E37.11 (h) (v) (iii): Approved equal in accordance with Section B7.

### DRAWINGS

Replace: 936-2024\_Drawing\_1-0219L-M0001-001-01 with 936-2024\_Addendum\_03-Drawing\_1-0219L-M0001-001-02

### NMS SPECIFICATIONS

Section 05 14 10

Revise: 2.1.12.2.2.2: Fasteners/Anchors: **As indicated on drawings**

Revise: 2.1.13.3.2: Fasteners: **As indicated on drawings**

Section 05 50 00

Revise: 2.1.14: Monorail crane beam trolley: OZ1PBT by OZ Lifting Products (1 per each crane beam, **lifting capacity as indicated on drawings**)

Revise: 2.5.1.1.2.1: Ladders: **As indicated on drawings**

Section 09 01 90.63

Revise: 2.1.10: Paint Acceptable Manufacturers: Dulux, Benjamin Moore, C.I.L., **Sherwin Williams**, or approved equal in accordance with B8.

Section 09 67 23

Revise: 2.1.2.1: Stonhard Basis **was used as the basis for design described below.**

Add: 2.1.2.2: Sherwin Williams is approved for bidding and must comply with the Specification Section 09 67 23, Part 2.1.6 and provided the installation procedure for the Sherwin Williams products is applied as per Specification Section 09 67 23, Part 2.1.5.

Add: 2.1.3.2: Sherwin Williams Resuprime 3579, Resuflor 3561, and Resuflor 3746.

Section 09 96 50

Revise: 2.1.2: Acceptable products: Fabrikem Fabrishield Paint Repellent PR-61 for clay brick **or Sherwin Williams – Anti-Graffiti Coating 1K Siloxane.**

Section 22 00 15

Delete: 1.2.5

Revise: 2.1.1 to read: All, fittings and standard valves to be in accordance with the line code sheet accompanying this section. All piping materials to be in accordance with the **City of Winnipeg Water & Waste Department Identification Standard R05.**

<https://legacy.winnipeg.ca/waterandwaste/pdfs/dept/WWD%20Identification%20Standard%20Appendices%20R05.pdf>

## **QUESTIONS AND ANSWERS**

Q1: Section 22 00 20 is referenced in NMS specifications but is not included in NMS specifications.

A1: These references are to City of Winnipeg Identification Standard. See the revision to 22 00 15 above.

Q2: For the exterior of the generator building, architectural drawings indicate white colored stone veneer. Structural drawing wall schedule indicates split face masonry with CMU dimensions, and NMS specify fired clay brick. Please clarify which is to be used.

A2: Generator building to have split face CMU block (90 x 190 x 390), colour to be selected by owner.

Q3: Where is the load bank to be located? Is it to have a concrete pad underneath?

A3: Load bank should be located outdoors east of the building near the Manitoba Hydro transformer. The Contractor should allow for installation within five (5) meters of the east wall. Coordinate the selection of the location with the City of Winnipeg and Contract Administrator. Contractor to use concrete pad under load bank.

Q4: KSB SPNC 300-350 is manufactured and factory tested in China. Is this a concern for this project?

A4: The critical stage in D25 is to be met regardless of manufacturing location and shipment method. Factory testing is to comply fully with the requirements of E32 regardless of facility location. There are risks with shipping pumping equipment overseas and meeting the required schedule. The Bidder shall bear the costs for expedited shipping to be sent to a Canadian port of entry. Liquidated damages will apply should the Contractor not be able to meet Critical Stage 1 for taking on the risk of shipping pumping equipment overseas.

Q5: Is Simplex and/or Elecon Power approved equals for the load bank?

A5: Simplex and Elecon Power are approved, however the Contractor is responsible for ensuring proposed load banks meets all specifications. See Clause E37.11 above.

Q6: Is it intended that the Contractor is to create a new opening in the wet well roof to install the piping which will redirect flow in the wet well? It is not clear how this will be installed.

A6: To expand upon Addendum 1, Question 10, a new opening is to be cut in the wet well access chamber roof directly above the existing access hatches below to facilitate the installation of new vertical wet well access vaults. This may be done at any time so long as the opening is adequately covered for safety. Pipes and plates may have to be inserted in pieces and assembled in the wet well.

Q7: Please clarify which gate valves need to be resilient seated, and which need to be metal seated? Both are mentioned in the gate valve specification.

A7: See revisions to E33.2 above.

Q8: Please provide specs for gate valves HV- L411 and HV- L422.

A8: See revisions to E33.2 above.

Q9: The loop drawings show that the instrument cabling is CIC. Would it be acceptable to use Teck/AIA cable instead and utilize explosion proof connectors where sealing is a requirement? Cable tray and strut supports would be used for areas consisting of multiple cable going to a location.

A9: For discrete signals, Teck cable is acceptable. AIA cable is not acceptable. For analog signals CIC cable is required as shown in the diagrams.

Q10: Can a specification be provided for the gas regulator that serves the Generator? In order to quote we need the gas pressure of the existing 2" line and the pressure and load required for the new generator.

A10: The existing gas line within the generator building was mistakenly listed as 50 mm (2"). The existing gas line is 25 mm (1") at 5 PSI. See revised Drawing 936-2024\_Addendum\_3\_Drawing\_1-0219L-M0001-001-02. The specified Generac generator used as the design basis is rated for 3,420 MBH at an operating pressure of 7-11 in. W.C., however, it is the Contractor's responsibility to ensure that the pressure regulator is suitable for the generator provided as alternate generators may have different input ratings.

Q11: On drawing 1-0197L-S0005 Sht. 001 rev. 01, Section 5/ref.3- 16 diameter SS 316 HAS rods @ 600 O.C. is called up on the platform base, yet in the Specification 05 14 10, Page 3, Part 2.1.13.3.2 calls up "Fasteners: 304 Stainless Steel." Please confirm the grade of Stainless hardware and Anchors for the Aluminum Stair Assemblies.

A11: 16mm diameter SS 316 anchors to be used on the platform.

Q12: What grade of stainless steel is required for the Wet Well access ladders, hardware and anchors? What grade of Stainless Steel is the L152x152x12, gussets and hardware/ anchors? What grade of Stainless Steel is the L76x76x6.4 and Hardware/ anchors? What grade of Stainless Steel is required for the Concrete beam Seats (Please also provide the grade of anchors required)? Are the Nelson Studs Mild Steel or Stainless Steel?

A12: Access ladders and associated plates to be SS 304 as clarified in revised Specification Section 05 50 00, Part 2.5.1.1.2.1. Anchor bolts to be SS 316 as per Specification Section 05 50 00, Part 2.5.1.1.2.1. Angle iron and gussets to be SS 304, all anchors to be SS 316. Concrete Beam Seat material to be SS 304 with SS 316 anchors. Nelson Studs to be low carbon mild steel.

Q13: Please specify required coating for the Monorail Beams & Associated Parts, Required Load markings in Ton or Tonne to read "CAPACITY X TON(NE)". Would Decaling be an approved alternative to painted stenciling.

A13: All monorail beams and supports to be galvanized and painted. Monorail capacity to be 1 ton in Entrance Room (Refer to Drawing 1-0197L-S0003-002-00). Monorail capacity to be 2 ton in Motor Room and Pump Room (Refer to Drawing 1-0197L-S0003-003-00). Decal is an approved alternative for marking.

Q14: Section 05 50 00 Part 2.8.2 calls up the pipe as: "Steel Pipe: double strong, diameter as indicated, hot-dip galvanized." What is referred to as double strong? – STD- Sch 40, XS- sch 80, XXS- Schedule 160+ Which one is required?

A14: In Specification Section 05 50 00, Part 2.8.2 – Pipe Bollards, "double strong" refers to XS wall thickness.

Q15: Are the proposed alternatives approved for the below items from Specification Section 09 01 90.63:

- a. Primed Metal Surface (Walkdoors)
  - i. Primer: Sherwin Williams Procryl Primer
  - ii. Topcoat: Sherwin Williams Waterbased Urethane Alkyd Enamel
- b. Monorails & Framing (Safety Yellow w/Black Lettering)
  - i. Primer & Topcoat: Sherwin Williams Macropoxy 646
- c. Galvanized Metal Surfaces
  - i. Recommend to not paint, galvanized protective coating should suffice
- d. Concrete Block
  - i. Primer & Topcoat: Sherwin Williams Macropoxy 646
- e. Concrete Walls:
  - i. Primer & Topcoat: Sherwin Williams Macropoxy 646

A15: Proposed Sherwin Williams products are approved. Sherwin Williams has been added as an approved manufacturer above in Specification Section 09 01 90.63, Part 2.1.10.

Q16: For the galvanized surfaces described in Specification Section 09 01 90.63, can the Contractor not paint them as the galvanized protective coating should suffice?

A16: No, City of Winnipeg requires some components such as monorails to have galvanized coatings and be painted.

Q17: For the generator building, please provide clarification on the direction of if pricing is to include abrasive blast abatement of lead containing paint or re-paint over existing.

A17: Prepare surfaces as per paint manufacturers recommendations and repaint over existing.

Q18: Are the proposed alternatives approved for the below items from Specification Section 09 67 23:

- a. Epoxy Flooring
  - i. Primer : Sherwin Williams - Resuprime 3579
  - ii. Intermediate : Sherwin Williams - Resuflor 3561
  - iii. Topcoat: Sherwin Williams - Resuflor 3746

A18: Yes this is an approved alternative providing all coatings meets the requirements of Specification Section 09 67 23, Part 2.1.6 and provided the installation procedure for the Sherwin Williams products is applied as per Specification Section 09 67 23, Part 2.1.5. See revised Specification Section 09 67 23 above.

Q19: Please confirm if existing generator building concrete floor coating is to be removed, surface prepared, and recoated with new resinous epoxy flooring.

A19: Generator concrete floor coating to be removed and surface prepared as per paint manufacturers recommendations.

Q20: Do any floors in the lift station receive epoxy coating?

A20: All floors in the lift station are to receive epoxy coating.

Q21: Is the Sherwin Williams Anti-Graffiti Coating 1K Siloxane an acceptable alternative for the graffiti-resistant coating in Specification Section 09 67 23?

A21: Proposed Sherwin Williams Anti-Graffiti Coating 1K Siloxane is approved. Sherwin Williams has been added as an approved product above in Specification Section 09 96 50.

Q22: Please advise how large the total laydown area for project will be?

A22: Laydown area of work will be proposed by the Contractor and discussed with the Contractor during pre-construction meeting.

Q23: Please confirm lead containing paint is to be completely abated in it's entirety from the Dry Well following all provincial regulations for working with lead.

A23: Lead paint to be removed as per Manitoba Health and Safety requirements.

Q24: Please advise if mechanical louvres come pre-finished from manufacturer.

A24: Mechanical louvres should come pre-finished from the manufacturer.

Q25: Are there any requirements for new piping to be painted? If so please advise on paint system required.

A25: Yes, refer to E36.2.6 (f), E36.2.6 (g), and Specification Section 22 00 15, Part 2.15.1.

Q26: Is any blasting or coatings work required in the Wet Well?

A26: No.

Q27: Is a site security component going to become a requirement of the tender submission to be provided by owner or the Contractor?

A27: The Contractor is responsible for site security.