



## 593-2024B ADDENDUM 3

### CONSTRUCTION OF NORTH GARAGE REPLACEMENT

#### **URGENT**

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

ISSUED: March 24, 2025  
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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 2024-02-01

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**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.**

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#### **FORM B: PRICES**

Replace: 593-2024B Form B: Prices with 593-2024B Addendum 3 - Form B: Prices. The following is a summary of changes incorporated in the replacement Bid/Proposal Submission:

Various revisions, additions and deletions to items.

#### **PART E – SPECIFICATIONS**

Add: E30

##### **E30 SUBSTATION INSULATING STONE**

E30.1 Description

E30.1.1 This specification shall cover the supply, sample testing and installation of the substation's insulating stones (or crushed rocks) to be installed as directed by the Contract Administrator.

E30.2 Materials

E30.2.1 Insulating stone (non-conductive granite or limestone) crushed and washed rock composed of hard durable uncoated fractured fragments produced from rock formations or boulders of uniform quality, or a mixture of crushed gravel free from silt, clay and silt lumps, friable materials, cameration, soluble materials, frozen materials, and organic matter, having a crush count of 100%.

E30.2.2 A wet resistivity of 3000 ohm-m minimum in accordance with the Canadian Electrical Code shall be tested from the sample in the laboratory per ASTM standard.

E30.2.3 L.A. abrasion loss shall not exceed 30%.

E30.2.4 Fill shall conform to:

Sieve Size (ASTM)	% Passing
37.5	100
19	2

E30.3 Submittals

E30.3.1 The Contractor shall submit all manufacturers' product specifications and recommended testing and installation methods for the proposed insulating stone and associated materials to the Contract Administrator.

E30.4 Construction Methods

E30.4.1 General

- (i) The Contractor shall supply, provide sample testing and install insulating stone as directed by the Contract Administrator. Insulating stone shall be inspected by the Contract Administrator prior to placement.

E30.5 Installation

- E30.5.1 The insulating stone shall be evenly spread over the substation area, including up to 1.0 m outside the fence perimeter. The insulating stone shall be placed 150mm deep on top of the granular base and compacted to a minimum of 95% Standard Proctor Maximum Dry Density.

E30.6 Measurement and Payment

- E30.6.1 Insulating stone and related work specified herein will be measured on a volume basis and paid for at the unit price per cubic metre for "Supply, Sample Testing, and Installation of Insulating Stone". The volume to be paid for shall be the total cubic metres of insulating stone installed in accordance with this specification, accepted and measured by the Contract Administrator.

Add: E31

**E31 LDS VALVE**

E31.1 Description

- (a) This specifies performance requirements for underground LDS Gate Valves for the isolation of the Site LDS from the City LDS.
- (b) Work includes supply and installation of the LDS valve, complete with indicator post.
- (c) One unit is required and is identified on the drawings on the 350 mm C900 PVC Pipe between MH.6 and the connection to the existing MH on the existing 1800 mm LDS.

E31.2 Related Sections

- (a) Section 01 33 00 Submittal Procedures
- (b) City of Winnipeg Standard construction Specifications:
  - (i) CW 2030 - Excavation Bedding and Backfill;
  - (ii) CW 2130 - Gravity Sewers;
  - (iii) CW 2110 – Watermains;
  - (iv) CoW-WM-06;

E31.3 Materials

E31.3.1 LDS Valve

- (a) AWWA C515 valve, complete with flange for indicator post.
- (b) Approved products in accordance with CoW-WM-06

E31.3.2 Indicator Post

- (a) To suit provided valve
- (b) Depth as indicated on drawings

E31.4 Installation

- (a) Installation in accordance with 3.9 of CW 2110 for installation of valves on watermains except as noted below:
  - (i) By-pass arrangement not required

E31.5 Measurement and Payment

#### E31.5.1 LDS Valve

- (b) LDS Valve will be measured on a unit basis for each size of valve and paid for at the Contract Unit Price for “Items of Work” listed here below. The number to be paid for will be to the total number of units installed including indicator posts in accordance with this specification, accepted and measured by the Contract Administrator.
- (c) Items of Work

Revise: E28.6.2 (a) to read: The OGS device shall include a sump for sediment storage, and a fiberglass insert for the capture and storage of petroleum hydrocarbons and buoyant gross pollutants. The total sediment storage capacity shall be a minimum 1.1 m<sup>3</sup> for 1.2m diameter chambers and ~~3.5m<sup>3</sup>~~ **6.2m<sup>3</sup>** for ~~1.8m~~ **2.4m** diameter chambers. The total petroleum hydrocarbon storage capacity shall be a minimum 266 litres and ~~640 litres~~ **1080** litres for 1.2m and ~~1.8m~~ **2.4m** diameter chambers respectively.

### **DRAWINGS**

Replace: 593-2024B \_Drawing\_Architecture IFT-R1 with 593-2024B \_Addendum\_3 \_Drawing\_Architecture\_IFC-R2

593-2024B \_Drawing\_Structural IFT-R0 with 593-2024B \_Addendum\_3 \_Drawing\_Structural\_IFC-R1

593-2024B \_Drawing\_Mech-FIRE-Plumbing IFT-R0 with 593-2024B \_Addendum\_3 \_Drawing\_Mech\_Fire\_Plumbing\_IFC-R1

593-2024B \_Drawing\_Mech-HVAC IFT-R0 with 593-2024B \_Addendum\_3 \_Drawing\_Mech\_HVAC\_IFC-R1

593-2024B \_Drawing\_Mech-INDUSTRIAL IFT-R0 with 593-2024B \_Addendum\_3 \_Drawing\_Mech\_Industrial\_IFC-R1

593-2024B \_Drawing\_Electrical IFT-R0 with 593-2024B \_Addendum\_3 \_Drawing\_Electrical\_IFC-R1

593-2024B \_Drawing\_Civil IFT-R0 with 593-2024B \_Addendum\_3 \_Drawing\_Civil\_IFC-R1

593-2024B \_Drawing\_Landscape IFT-R0 with 593-2024B \_Addendum\_3 \_Drawing\_Landscape\_IFC-R1

Delete: 593-2024B \_Drawing\_E-3602 GROUND FLOOR PLAN - OFFICE - LIGHTING - PHOTOMETRIC CALCULATIONS

593-2024B \_Drawing\_E-3603 GROUND FLOOR PLAN - STORAGE GARAGE- LIGHTING - PHOTOMETRIC CALCULATIONS

593-2024B \_Drawing\_E-3604 GROUND FLOOR PLAN - MAINTENANCE GARAGE- LIGHTING - PHOTOMETRIC CALCULATIONS

593-2024B \_Drawing\_E-3605 LIGHTING CALCULATION SUMMARY

593-2024B \_Drawing\_E-5501 GROUND FLOOR PLAN - OFFICE - FIRE ALARM - NORTH SIDE

593-2024B \_Drawing\_E-5502 GROUND FLOOR PLAN - OFFICE - FIRE ALARM - MIDDLE AREA

593-2024B \_Drawing\_E-5503 GROUND FLOOR PLAN - OFFICE - FIRE ALARM - SOUTH SIDE

593-2024B \_Drawing\_E-6303 GROUND FLOOR PLAN - MAINTENANCE GARAGE - CONDUIT ROUTING - NORTH REPAIR BAYS

## **NMS SPECIFICATIONS**

### Section 22 11 23 Domestic Water Pumps

Add: 2.2.4.5 to read "Wilo"

### Section 23 21 16 Hydronic Piping Specialties

Add 2.10.2.1.4 to read "Amtrol Air Separators."

Add 2.11.3.3 to read "Wessel"

### Section 23 21 23 Hydronic Pumps

Add: 2.2.2.6 to read "Wilo"

Add: 2.3.2.6 to read "Wilo"

Add: 2.4.1.4 to read "Wilo"

### Section 23 36 00 Variable Air Volume Terminal Units

Add: 2.1.13.7 to read "Trane"

Add: 2.2.11.7 to read "Trane"

### Section 23 70 00 Air Conditioning Equipment

Add: 2.1.7.4 to read "Samsung"

### Section 23 72 00 Hydronic Air Handling Units

Add: 2.2.8.10 to read "Bousquet"

Add: 2.2.8.11 to read "Air Wise"

### Section 23 74 00 Gas-Fired Air Handling Units

Add: 2.2.8.6 to read "Air Wise"

Add: 2.2.8.7 to read "Nagas"

### Section 23 82 19 Fan Coil Units

Add: 2.1.14.8 to read "SIWA"

Section 23 84 13 Humidifiers

Add: 2.1.10.4 to read "CAREL"

Section 23 82 16 Air Duct Coils

Add: 2.1.4.4 to read "Trane"

Add: Section 26 12 14 Transformer Secondary Oil Containment Systems.

Add: Section 26 33 33 Inverter Rectifier and Charger.

Section 01 40 00 Quality Requirements

Delete 1.1.2

Section 01 56 00 Temporary Barriers and Enclosures

Delete 3.1

Section 02 61 00.01

Delete: 1.10.1