



Project:	2023-RFT-058 Lift Station 1 & Lower Iqaluit PT.A2 to LS1 Project		
Addendum No.	3	No. of Pages:	9
Date:	August 3, 2023	Doc. No:	P7201-810372863-111(1.0)

The following change(s) in the Request for Quotation Documents are effective immediately.
This Addendum forms part of the Contract Documents.

CLARIFICATIONS

- Q1.** 15. Ref. 08 31 00 2.3: The acceptable specified product for access doors is from Bilco. After verification, the triple hatch 1000x3000 isn't available from Bilco, is the product from Pretal acceptable?
- A1:** The proposed product is not acceptable as the embedded framing is too large for the concrete structure (89mm from Bilco vs 135mm Pretal). Please note that the hatch doors have been designed to be three individual doors not one piece.
- Q2.** On document E901_1101000074_IFT there are several cables that need to be supplied and installed by the contractor, however there are no lengths of said cables. Would the client please confirm the lengths of the cables, or provide a scalable drawing?
- A2:** Drawing E-901 is scaled 1:100 on ISO A1 paper size as indicated in the drawing title block. As such, cable lengths can be estimated utilizing the drawing scale.
- Q3.** On document E901_1101000074_IFT there are several conduits assumed to be supplied and installed by the contractor, however there are no lengths of said conduits. Would the client please confirm the lengths of the conduits or provide a scalable drawing?
- A3:** Drawing E-901 is scaled 1:100 on ISO A1 paper size as indicated in the drawing title block. As such, cable lengths can be estimated utilizing the drawing scale.
- Q4.** Please confirm on document E903_1101000074_IFT, if the contractor is to provide a new MCC bucket with 3P 30Amp breaker. If so, please provide the name plate information from the existing MCC.
- A4:** Per Section 26 24 19 item 2.5.3, a new breaker is required within the MCC. The existing MCC is a Square D Schneider Electric Model 6 MCC.
- Q5.** On Drawing E-103, there are items that have Disconnect Switch Unfused symbols(EF-2 & EF-3) but have callouts describing them as starters and Motor Starter symbols which may

be for items that may only require disconnects (EF-2, EF-3, UH-2, UH-3, UH-4, P-1, P-2, PB-1, PB-2, CF-1, CF-2 and AHU-1). Would the client please confirm which is correct?

A5: Refer to Division 25 specifications and HVAC mechanical drawings for details on HVAC and plumbing equipment. HVAC equipment may have local disconnects provided integral to each device; electrical drawings and details which identify wall mounted motor starters are additional requirements needed to provide for complete and functional HVAC systems. Wall mounted EF-2 and EF-3 motor starter symbols on E-103 are not unfused disconnect symbols; the disconnect symbols are shown on the exhaust fan units directly.

Q6. The single line document E-602 for MCC-001 shows the DISC-01-100 as a 30 amp disconnect as non-explosion proof, and other disconnects that are to be installed in the New Pump room are explosion proof. Please confirm if the

A6: The hoist, as well as the disconnect switch for the hoist within the pump room, is to be explosion proof (Zone 1, gas groups C and D) rated. Drawings E-105 and E-602 will be updated for IFC set indicating XP next to the equipment.

Q7. As there is a mix of directions to use conduits or Teck cables, would Teck cables be acceptable to use?

A7: Teck cables are acceptable at the Wastewater Treatment Plant.
The use of Teck and ACIC cables is in general acceptable at the Lift Station, however, note that existing site conditions and placement of existing and new overhead equipment will result in careful considerations and onsite coordination required for cable tray installation and routing locations. In cases where Teck or ACIC is to be strapped to the wall in an organized, clean manner, the use of unistrut with P-clamps will be required (the use of single or two hole conduit straps will not be acceptable).

Q8. If the underlying soil conditions are not bedrock, is a mud slab of 50mm thick still required under all the concrete slabs on grade and footings as illustrated in the details on page S-403?

A8: Mud slab is required to provide clean work surface and maintain accurate concrete cover.

Q9.

- Regarding the specified segregating liner, is the contractor to order the 450m² in roll form (i.e. does the 50% contingency within the quantity of 450m² account for liner overlap, waste?)?
- Are the anticipated limits/elevations of PHC zone identified on the drawings? Also confirming the liner is to be installed above and below the PHC zone?

A9:

- Yes, please refer to Specification Section 02 50 00, Item 1.7.3.1 and 1.7.3.2

- No. The exact location of PHC is not shown on the drawings. However, as per Section 02 50 00 Item 1.1 and 1.5, approximate locations are shown Phase I/II Environmental Site Assessment Report". Liner to be installed as per Section 02 50 00, Item 1.7.3.1.

Q10. Upon review of the contract documents, it was noted that hot mix asphalt is a requirement of the project and therefore must be sourced. It is local knowledge that there is only one (1) General Contractor who owns an asphalt batch plant in Iqaluit. Unfortunately, with these low annual and unpredictable quantities, it is unfeasible for other contractors to consider sourcing the equipment to plant batch asphalt and pave. As an attempt to promote competitive pricing and entice other local general contractors to commit the resources required to prepare a detailed bid, would the City of Iqaluit consider either:

- An alternative road reinstatement such as concrete or cold patch.
- Removing asphalt reinstatement from the project requirements and managing it outside of the contract.
- Utilizing a cash allowance for the scope of paving services to enable bidders to bid comparatively and allocate funds within the contract to cover the costs.

A10: A cash allowance will be provided. Refer to the updated Cost Submission Form appended to this addendum which supersedes the previous Cost Submission Form. Note: cash allowance for direct asphalt subcontractor costs only. All subgrade preparation, base course, testing, etc., remains the responsibility of the General Contractor.

Q11. Please confirm material type of piping between MH2X and MH3 as the drawings indicate HDPE in plan view and DI CL350 in profile view.

A11: The new pipe material for all is HDPE. Some existing pipe is DI CL350 and that is to be replaced. This notation is a drafting error. The note is correct in the plan view.

Q12. Please confirm if all new access vaults require 4 bollards. If not, please identify which access vaults require bollards.

A12: All AVs or MHs require 4 bollards.

Q13. Please confirm that m3 is the appropriate unit for the contaminated groundwater.

A13: m3 is an appropriate unit of liquid measure and is easily converted at 1000 l/m3

Q14. Please clarify the door size requested. Is 915 x 2134 (3/0 x 7/0) acceptable?

A14: The door size proposed 915x2134 (3/0 x 7/0) is acceptable.

SPECIFICATION REVISIONS

1. Part 1 – Procurement and Contract Requirements:
 - a. Appendix B – Cost Submission Form
 - i. Cash allowance provided for “Integration Contractor” (Programmer). Revised Cost Submission Form provided.
 - ii. Where “Integrations Contractor” is referred to throughout the contract documents, the programming will be provided by a third party designated by the City. The Contractor shall enter into a subcontractor agreement with the designated programmer following award of the contract.
2. Section 40 70 10 Instrumentation Scope of Work
 - a. Replace 1.3.2 with:

PLC, HMI, SCADA, backup relay controller, alarm dialer, and communications equipment programming shall be completed by a programmer procured by the Owner and managed by the Contractor, herein denoted as the “Integrations Contractor”. The Integrations Contractor’s scope includes PLC, HMI, SCADA, backup relay controller, alarm dialer, and communications equipment programming, configuration, testing, and commissioning. Supply and install of all equipment is the responsibility of the Contractor.

ATTACHMENTS

1. Specifications, Revised Cost Submission Form

APPENDIX B – COST SUBMISSION FORM

Date: _____

Project Name: **LS No. 01, SRS and Lower Sewer**

I/We, _____
(Company Name)

Of _____
(Business Address)

have fully inspected the Site and examined all the conditions affecting the Work. I/we have also carefully examined all documents prepared for this Contract including Addenda thereto; and hereby offer to furnish all labour, materials, plant, equipment and services for the proper execution and completion of the items listed below, in accordance with the Contract Documents, including all Addenda thereto which are acknowledged hereinafter for the above project for the sums separately indicated as follows:

Item	Description	Amount (Lump Sum or Unit Price) \$CND
1.	General Items	
1.1	Mobilization / Demobilization	\$
1.2	General Requirements: - Project Signage & Construction Safety Measures to complete the work - Site Office or workspace, amenities, security measures or all facilities and equipment - Bonding, insurance - all other general/Division 01 requirements	\$
1.3	Traffic Control, Project Signage & Safety Measures to complete the Work and temporary services during construction	\$
1.4	Prepare, Coordinate and Manage Spill Contingency Plan as per Water License Agreement	\$
1.5	Prepare, Coordinate and Manage Erosion and Sedimentation Control Plan as per Water License	\$

	Agreement.	
1.6	Prepare, coordinate, and manage Health and Safety Plan, as approved by the City of Iqaluit.	\$
1.7	Commissioning Activities	\$
Sub-total 1.		\$
2.	Lower Iqaluit Sewer	
2.1	Excavation, isolation, removal, and disposal of existing sewer main and access vaults.	\$
2.2	Excavation and backfill required to install new sewer main and access vaults, including surface restoration.	\$
2.3	Supply and installation of sewer.	\$
2.4	Supply and installation of access vaults.	\$
2.5	Supply and installation of temporary bypass connections, piping, and pumping equipment (as needed) to properly bypass sanitary flows for the entire duration of the project's construction. Include costs for monitoring of bypass system throughout construction and any costs if anticipating to complete critical tie-ins at night during low-flow situations	\$
2.6	Development and preparation of a utility bypass plan that identifies isolation and bypassing strategies and procedures, potential risks and methods for mitigation, and monitoring checklist. This plan to be stamped by an engineer and submitted to City representative for approval prior to beginning work.	\$
Sub-total 2.		\$
3.	Lift Station No. 01	
3.1	Division 02 Existing Conditions	\$
3.2	Division 03 Concrete	\$
3.3	Division 05 Metals	\$
3.4	Division 06 Woods, Plastics and Composites	\$
3.5	Division 07 Thermal and Moisture Protection	\$

3.6	Division 08 Openings	\$
3.7	Division 09 Finishes	\$
3.8	Division 21 Fire Suppression	\$
3.9	Division 22 Plumbing	\$
3.10	Division 23 HVAC	\$
3.11	Division 26 Electrical	\$
3.12	Division 27 Communications	\$
3.13	Division 28 Electronic Safety and Security	\$
3.14	Division 31 Earthwork	\$
3.15	Division 33 Utilities	\$
3.16	Division 40 Process Integration	\$
3.17	Division 41 Material Handling Equipment	\$
3.18	Division 43 Process Equipment	\$
Sub-total 3.		\$
4.	Septage Receiving Station	
4.1	Division 03 Concrete	\$
4.2	Division 22 Plumbing	\$
4.3	Division 26 Electrical	\$
4.4	Division 27 Communications	\$
4.5	Division 31 Earthworks	\$
4.6	Utilities	\$
4.7	Division 40 Process Integration	\$
4.8	Division 46 Wastewater Equipment	\$
Sub-total 4.		\$

5. Environmental (Unit Price Items)					
	Description	Quantity	Unit	Unit Price	Total
5.1	Segregation Liner	450	M2	\$	\$
5.2	Removal and disposal of petroleum impacted groundwater/melt water	100	M3	\$	\$
5.3	Import and compaction of clean replacement fill	100	M3	\$	\$
Sub-total 5.					\$
6. Cash Allowance					
6.1	Power and telephone utility company				\$60,000.00
6.2	Road Crossing Asphalt Reinstatement				\$10,000
6.3	Integrations Contractor Allowance (Programmer)				\$150,000
Sub-total 6.					\$220,000
7. Optional Items					
Note: All, some or no Optional Items below may be accepted by the City.					
7.1	Remove and disposal of existing 250mm sanitary pipe between MH400 and MH-5 including all surface restoration to same. Note: No work to be performed in Iqaluit Square area from June 20, 2024 to July 10, 2024.				\$
7.2	Remove and disposal of existing 200mm sanitary pipe between LS No. 01 and new tie-in point including all surface restoration to same.				\$
Sub-total 7.					\$
Summary					
1.	General Items				\$
2.	Lower Iqaluit Sewer				\$
3.	Lift Station No.01				\$

4.	Septage Receiving Station	\$
5.	Environmental (Unit Price Items)	\$
6.	Cash Allowance	\$220,000.00
7.	Optional Items	\$
Sub-Total:		\$
GST:		\$
TOTAL:		\$

END OF SECTION