TRANSMITTAL SHEET

TO: All Bidders

DATE: October 19, 2023

TOTAL NUMBER OF PAGES (INCLUDING COVER PAGE): 8

FROM: Gerry Mattsson, P. Eng. **TEL. #:** (506) 649-7998
Utilities & Infrastructure Services

IF YOU DID NOT RECEIVE ALL PAGES, OR FURTHER INFORMATION IS REQUIRED, PLEASE CONTACT THE SENDER

MESSAGE:

TENDER NO: 2022-19

One Mile Lift Station and Egbert Street Forcemain

Please find attached a copy of ***Addendum #1*** for the above tender.

As of March 2021, please be advised that an ***Acknowledgement Form*** (historically sent as part of the City's addendum packages) confirming receipt of an Addendum is **no longer** included in the addendum package.

However, in accordance with Section 2.5.03 of the City's General Specifications, it remains a requirement that **each Addendum** will contain a signature page(s) which each Tenderer is **required to sign and include with its Tender submission.**

City of Saint John

UTILITIES & INFRASTRUCTURE SERVICES
Engineering Services
175 Rothesay Avenue
Saint John, NB, E2J 2B4

ADDENDUM

PROJECT TITLE:	**ADDENDUM NO:** 1
One Mile Lift Station	**DATE:** October 19, 2023
And Egbert Street Forcemain	**PAGE:** 1 OF 7
	TENDER NO: 2022-19

MAKE THE FOLLOWING MODIFICATIONS TO THE ABOVE PROJECT. INCLUDE IN THE AMOUNT OF THE TENDER ANY ADDITIONS TO OR DEDUCTIONS FROM THE COST OF THE WORK BY REASON OF THESE INSTRUCTIONS. THE DATE FOR RECEIVING TENDERS **HAS CHANGED TO: 2:30PM, THURSDAY, NOVEMBER 2, 2023.**

ADJUSTMENTS TO THE SPECIFICATIONS

Item 1: Division 2 – Submission of Tender

As a result of the COVID-19 pandemic, the City of Saint John is implementing adjustments to the tender submission procedure as follows:

Section 2.6.01 Location of Tender Box for the Submission of Tender

175 Rothesay Avenue, Saint John, New Brunswick

The tender box will be available at the main building entrance for submission of tenders by the Tenderer between the hours of 9:30 am and 2:30 pm only on the above tender closing date. Tenderers shall maintain physical distancing from others when depositing their tender in the tender box.

There will not be a public tender opening. Registered Bidders will receive an email invitation to view the Tender Opening using Microsoft Teams software. Email invitations will be sent to the address provided on the Official Bidder's List. The Tender Opening Committee will conduct the evaluation of the tenders and Compliant tenders will be included in the summary of bids on the City's Tenders & Proposals website within 1 business day following the tender closing.

ADJUSTMENTS IN GENERAL

Item 2: Response to Queries:

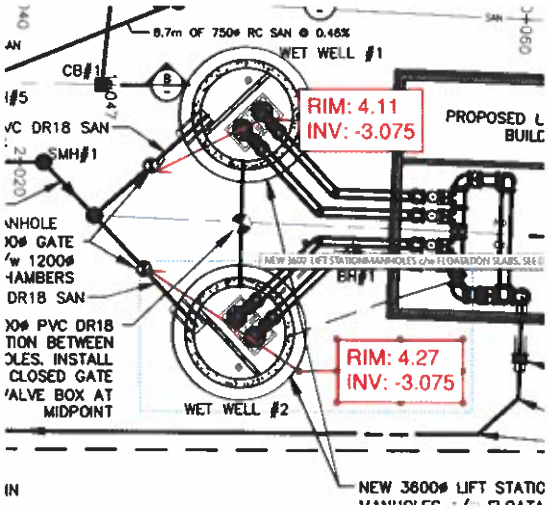
Q1. Please verify pipe material between Splitter Manhole and Wet-Well #1 and Wet-Well #2 on one page it notes it as RCP on another it is PVC"

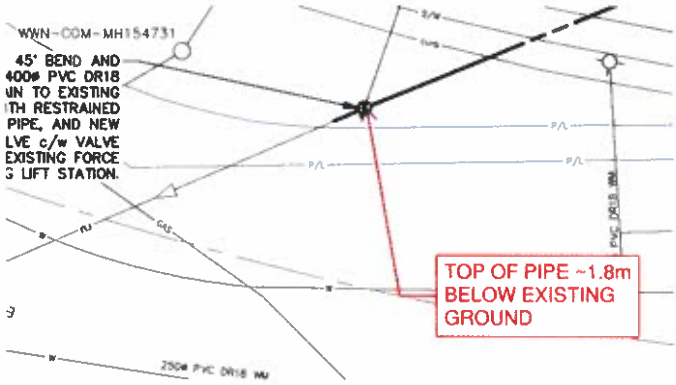
A1. The pipe material between Splitter Manhole and Wet-Well #1 and Wet-Well #2 shall be 600mm diameter PVC DR18 pipe.

Q2. Please provide top elevations and invert or floor elevations for the valve chambers.

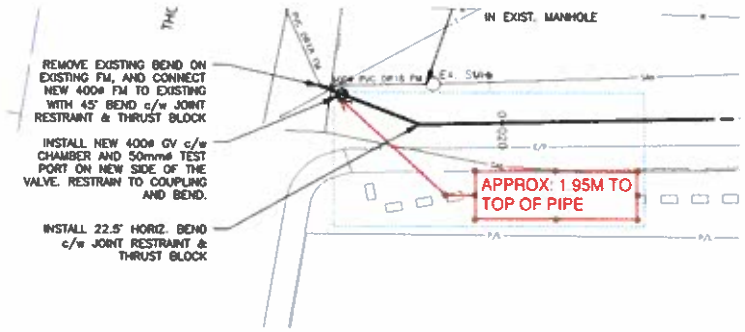
A2. See sketches below:

Sheet C04 (4 of 32):



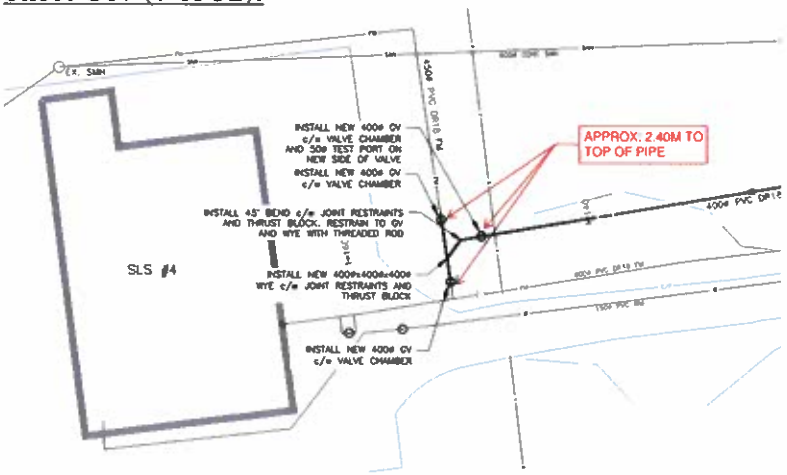


Sheet C06 (6 of 32):



Sheet C07 (7 of 32):

Sheet C07 (7 of 32):



Q3. Please advise which valve chambers have adjustable and which have standard frame and covers.
A3. The valve chambers in paved areas (Egbert Street, Rothesay Avenue, paved area of parking lot, see sheet 5 of 32) shall have adjustable frame and covers. In non-paved areas they require standard frame and covers.

Q4. Please provide top elevation for walls in wet-wells.
A4. The elevation of the top of the dissipation baffles in the wet well shall match the top of the inlet pipe. Approx elev: = -2.49m.

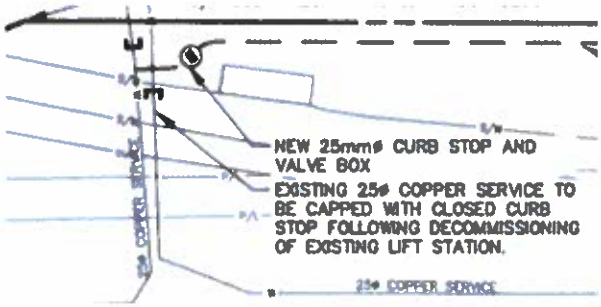
Q5. Please provide elevations for discharge pipes in wet-wells.
A5. The discharge pipes from the wet wells to the building shall have 1.8m of cover below finish grade.

Q6. Please verify floor elevations and inlet elevations for wet-wells; sheet 18 of 32 – elevation of inlet pipe = -3.09m / floor elevation = -4.33m, Sheet 28 of 32 – elevation of inlet pipe = -2.45m / floor elevation = -3.82m
A6. Use the elevations on Sheet 18 (M01).

Q7. Is there a headwall required at CB-1 outlet pipe?
A7. There is no headwall required. Just a riprap splash pad.

Q8. Sizing shown for CSO-1 and CSO-2 are different; CSO-1 internal dimensions = 2000 x 6110 x 1800 high. CSO-2 internal dimensions = 2400 x 6265 x 1800 high. We have a form for 1900 x 2795 please advise if it would be acceptable to make both CSO chambers this dimension inside. Alternately, if the 1900 x 2795 chamber is not acceptable, please advise if both chambers can be 2400 x 1800 x 6245.
A8. The 1900 x 2795 form is not acceptable. Both CSO chambers can be the same dimensions as CSO #2 (6265 long x 2400 wide x 1800 high interior dimensions).

Q9. Where are the curb stops located, not shown on plans?



A9. The closed curb stop for the service to be decommissioned can be put in the same trench as the new water service.

Q10. Will the historical dry and wet weather flow data be provided for sizing the various bypass requirements? Data requested for flows at existing manholes WWN-COM-MH15473 and WWN-SAN-MH001070.

A10. Historical data is not available. The calculated design peak dry weather flow into WWN-COM-MH154731 is 7.5 L/s. The calculated design peak dry weather flow into WWN-SAN-MH001070 is 99.3 L/s.

Q11. What is the discharge flow rate and pressure from the existing One Mile lift station and how often do the pumps cycle?

A11. The existing station is estimated to have a peak capacity of 220-230 L/s when pumping in parallel at approximately 23m of head. Cycle times vary.

Q12. The proposed connection adjacent to the existing lift station will not allow for commissioning of the new lift while simultaneously operations the existing station. Was the intention here to by-pass pump from the existing station to the new station while the commissioning is being complete.

A12. The intention is to allow the majority of the new station to be constructed prior to final tie-in. Control of bypass pumping during final connections and commissioning is the responsibility of the Contractor as detailed in Div 3, 3.1.14.

Q13. Have the existing valves (3) on the discharge of the existing station been exercised and confirmed that they are in proper working order?

A13. The contractor shall assume the valves are in proper working order.

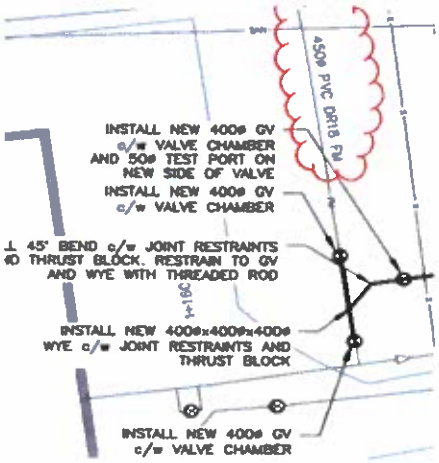
Q14. Are we required to video inspect the force main based on the Form of Tender item B5?

A14. The force main does not require a video inspection, it will require pressure testing same as the City General Specifications for water mains.

Q15. Is it possible to have additional boreholes performed in areas of the CSO chambers?

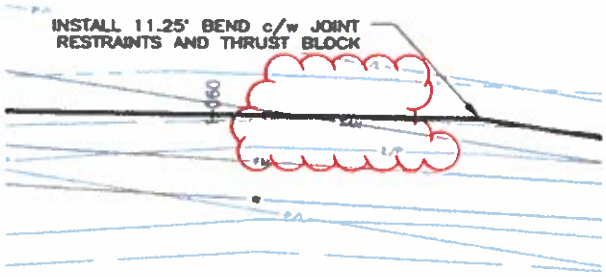
A15. No additional borehole information is being collected.

Q16. Is the 450mm PVC DR18 FM correct? Or is a reducer required at each end of this connection?



A16. The force main is a 400mm dia. PVC DR18.

Q17. What is the depth of the existing 600mm concrete sanitary pipe at this crossing?



A17. The invert of the 600mm concrete sanitary pipe at the crossing is approximately +0.05m.

Q18. Typically DR18 is supplied colour is blue, is this acceptable?
A18. Blue colour for DR18 piping will be acceptable, provided a marking tape labeled "FORCE MAIN" be applied to the top of the pipe.

Q19. SJE Primary wiring, there is no conduit shown from pad mount TX to SJE feed. Is this by others? Do we need to allow for anything?
A19. This will be the contractor's responsibility and should be coordinated directly with Saint John Energy.

Q20. CSO 1&2 controls, can it be confirmed what controls are needed in each CSO. Mechanical and electrical drawings show conflicting info.
A20. A pressure transducer is required in each CSO and SMH#4 to read water elevations in each structure.

Q21. LIT-01, can we get a part/ catalog number on this device? Does it come with a matching heated enclosure or is it to be built on site?
A21. Section 3.1.31, sub-sections .17 and .18 outline the flow meter and transmitter and level sensors.

Q22. Can a "SPARES LIST" be provided for this project?
A22. The following outlines the list of spares to be provided as part of this project.

3.1.31 Mechanical Specifications / .21 Spare Parts
The Contractor shall supply the following spare parts with the lift station:
.1 One (1) year's supply of any grease or lubricants required for the normal maintenance of the pumping station.
.2 Two (2) spare float switches.
.3 Two (2) spare belts for each fan.
.4 Four (4) replacement impellers (one per pump, as outlined in Appendix 3C)
.5 Four (4) wear plates/rings (one per pump, as outlined in Appendix 3C)

3.1.32 Electrical Specifications / .18 Materials / .13 Fuses
.2 Provide three spare fuses for each size of fuse used.

3.1.32 Electrical Specifications / .24 Motor Control Centre / Products / .1 Motor Control Centre
.36 Provide spare parts as follows:
.1 One (1) spare set contactor contacts for each size used.
.2 One (1)spare contactor coil of each size used.
.3 Six (6) control fuses of each size used.
.4 One (1) control transformer of each size used.
.5 One (1) spare electronic overload relay.

Section 23 05 00 HVAC General Requirements / 1.15 Spare Parts
Furnish spare parts as follows:
.1 One (1) set of belts for each piece of machinery.
.2 One (1) filter cartridge or set of filter media for each filter or filter bank in addition to final operating set.
.3 Thermostat and control components (including cabinets) keys.
.4 And as specified elsewhere.

Section 23 34 00 HVAC Fans / 1.3 Maintenance Materials
Spare parts to include:
.1 Matched sets of belts.

City of Saint John Control System Specifications / 2.5 Lightning Protection Units (LPU)
Spares: Provide 2 spare LPU's per type

Q23. Can you please ask if any of the rooms in the building are explosion-rated?
A23. Drawing E06 shows the areas designated as hazardous for the project.

Q24. E02 mentions SCADA Panel by owner, is this correct?
A24. Yes, this is correct.

Q25. Can the VFDs be stand alone and not built into MCC (similar to Thorne Ave station)?
A25. The VFDs can be external to the MCC, however this will change the configuration of the room. The contractor shall be aware of the physical sizes of project components as well as the room layout to maintain appropriate clearances as dictated by the Canadian Electrical Code.

Note: Signed copy of the addendum **must** be enclosed in the tender documents, according to the Instructions to Tenderers and Tendering Procedures in Division 2 of the Contract Specifications.

BY: _____ _____

CHIEF CITY ENGINEER *CONTRACTOR'S SIGNATURE*

TO BE SIGNED AND ATTACHED TO TENDER DOCUMENTS