



Sidney

Addendum #4 – January 20, 2026

Project No. 2025-011

Harbour Road Pumpstation Replacement Engineering Design

Question 1:

MMCD does not have lift station specifications. They do have general design guidelines. Are there any specific design standards / requirements Sidney is looking for?

Answer - Reference MMCD design guidelines and use best engineering practices as recommended by the Consultant.

Question 2:

What are the Town's expectations regarding the integration with the existing SCADA system? Is your SCADA system still tied to the CRD? Who would do liaison with CRD and programming?

Answer - The new PS to be integrated with the Town's existing SCADA system. The Town's SCADA system is connected to and managed by the CRD. The SCADA system is to meet CRD specifications for equipment and software. The CRD will program the SCADA. The consultant is expected to liaison and coordinate with the CRD.

Question 3:

What are the Town's specific requirements for decommissioning, removing, and backfilling the existing pump station? Specifically, the existing concrete wet well?

Answer - Best engineering practices (with options that give consideration to cost) as recommended by the Consultant.

Question 4:

What is the process for the Town's review and approval at each design stage (60%, 90%, Issued for Tender)?

Answer - Allow 2-4 weeks for Town engineering and operations review. Submit drawings to Engineering, and mark-ups will either be provided by return file or a meeting (online or in-person) can be arranged to discuss.

Question 5:

Are there specific preferences for the type or manufacturer of backup power (Genset) systems? Are there noise restrictions? Is diesel Genset OK? Is SCADA monitoring needed?

Answer - A quality, reliable, and easily serviceable diesel genset with sound attenuation suitable for use within a residential area is expected. SCADA monitoring of genset is required.

Question 6:

Is a Flow meter required?

Answer - Yes.

Question 7:

Will the Town provide a digital base plan with survey data for the existing site and utilities? It appears there has been some recent works in that area. Are there updated record drawings available?

Answer - Where records exist, the Town will provide a digital based drawing (DWG file) of Town owned infrastructure for the area. No survey data is available. The consultant will be expected to verify all infrastructure critical to the design, including field survey and obtain records from third party utilities. Field survey to be included in the consultant's scope of work however, please identify the survey cost as the Town may elect to conduct the field survey in-house.

Question 8:

Who is responsible for organizing a locate program to confirm the existing pipes required for design?

Answer - The Consultant will be responsible for locates.

Question 9:

Are there any geotechnical or environmental reports available for the site area?

Answer - No.

Question 10:

What is the design criteria for the pump station, for example is this post-disaster and what design code(s) are required for seismic design?

Answer - The Town will need to understand options versus costs for design codes as recommended by the consultant. For the purposes of the RFP, consider design to current standard industry practice.

Question 11:

The background information does not include a geotechnical report. Has a geotechnical site assessment been completed for this project and if yes can the report be provided to bidders?

Answer - No geotechnical site assessment has been completed.

Question 12:

If an assessment has not been completed, will the City be engaging a geotechnical engineer to complete an assessment and provide a geotechnical report?

Answer - The Town will not be coordinating the geotechnical assessment prior to engaging the engineering consultant. The Town can work with the Consultant to scope out what is needed for a geotechnical assessment and work with the Consultant to select a geotechnical consultant to complete the work. For the purposes of the RFP, include engineering consultant hours for scoping, oversight and review of the report without including costs for the geotechnical consultant itself.

Question 13:

If the City is not engaging a geotechnical engineer, are bidders required to include this? We note that if bidders are required to include a geotechnical investigation, the scope if not sufficiently well defined and bids are likely to vary considerably in both price and quality.

Answer - The Town will not be coordinating the geotechnical assessment prior to engaging the engineering consultant. The Town can work with the Consultant to scope out what is needed for a geotechnical assessment and work with the Consultant to select a geotechnical consultant to complete the work (either sub-contracted through the consultant or engaged directly by the Town). For the purposes of the RFP, include engineering consultant hours for scoping, oversight and review of the report without including costs for the geotechnical consultant itself.

Question 14:

Is the scope of work to include temporary works design or will this be designed by the Contractor? We note that this is likely to be the most challenging part of the project due to anticipated ground conditions, buried utilities and potential groundwater.

Answer - Temporary works will be complex and this is one of the reasons why an experienced and local engineering consultant will be selected. The Town expects that the Engineering consultant will prepare concepts for the temporary works which can then be finalized with the Contractor at that stage of the project.

Question 15:

Who is responsible for programming the SCADA computer? If it is the consultant, what is the SCADA software, and does the Town hold a developer's licence which can be provided to the consultant?

Answer - The Town's SCADA system is connected to and managed by the CRD. The Town's SCADA system is to meet specifications of the CRD SCADA equipment and software. The CRD will program the

SCADA. The consultant is expected to include engineering hours to liaison and coordinate with the CRD. The Town will pay the CRD directly for their programming costs.

Question 16:

Who will do the RTU/PLC programming?

Answer - The CRD will program the RTU. The consultant is expected to liaison and coordinate with the CRD.

Question 17:

Does the Town want an HMI in the kiosk? If so, who is responsible for programming?

Answer - Yes, an HMI is required. The CRD will program the HMI. The consultant is expected to liaison and coordinate with the CRD.

Question 18:

Does the Town have preferred/mandatory manufacturers for SCADA electrical/communications equipment?

Answer - The Town's SCDA system is to meet specifications of the CRD SCADA equipment and software as follows (or as required by the CRD):

- RTU SCADAPack 474/470 (RTU remote connect Ver 3.3.3)
- HMI is Beijer X2 Pro (iX developer 2.5)
- Communication - Cell modem or internet drop with Meraki unit. If selected the CRD will provide and configure Meraki unit for firewall VPN function. Final communication options/equipment to be reviewed and selected through design process.

Question 19:

We were unable to find the value of the construction cost estimate – could this be reiterated?

Answer – The 2024 cost estimate from WSP is \$1.7M estimated construction cost (Class C) + 25% contingency. All engineering and construction management costs are additional.

Question 20:

Can the length, material type and pumped elevation of the forcemain be provided? Perhaps as built if possible.

Answer – Forcemain general parameters as follows:

A summary of the information used to develop the system curve is shown in the table below:

	LENGTH	SIZE (ID)	MATERIAL
Forcemain 1	*972.2m	254.0mm	CL100 Asbestos Concrete
Pump Station - Interior piping 1	*28.1m	153.2mm	Steel
Geodetic Head	9.02m		

**Length includes equivalent length for fittings*

Schematic and as-builts will be provided as an attachment.

Question 21:

Could the publishing year of the Coastal Flooding Assessment document be provided?

Answer - The design elevations in the WSP reports were based on the AECOM 2015 CRD Coastal Sea Level Rise Risk Assessment Report.

The Town recently completed an Enhanced Flood Inundation Modelling and Mapping project funded by the Community Emergency Preparedness Fund under the Disaster Risk Reduction-Climate Adaptation funding stream offered by the Union of BC Municipalities (UBCM). The project was completed by a consultant team comprised of MarineLab Data Systems, Associated Engineering and DHI Group, building on the CRD's 2019 and 2021 updated Coastal Flood Inundation Mapping Project. This December 2025 report offers additional modelling that could be useful however analysis would be required to determine how the modelling specifically applies to the Harbour Road Pumpstation area. In the report it appears that the backshore FCL approaches but does not reach the Harbour Pumpstation site (there are no wave effects given the breakwater). Maps and the report are available at: <https://www.sidney.ca/planning-building/climate-action-and-sustainability/sea-level-rise/>

Question 22:

As this is titled as an “Engineering Design” RFP are you requesting a budget for Phase 1 with Phase 2 budget provided after the Detailed Design when the parameters and restrictions are known? Or would you like Phase 1 and Phase 2 priced at this time?

Answer – Proposal submission to include fees for Phase 1 and Phase 2 as outlined in the RFP, Section 7. Scope and Deliverables.

Question 23:

Are there any Archaeological concerns regarding excavation in this area?

Answer – There is no known archaeological concerns at this site. A consultant would be expected to follow a chance find protocol if evidence is found during an excavation. If required, the cost of archaeological services would be borne by the Town.

Question 24:

Is there a budget for detailed design?

Answer – There is no set budget for detailed design.

Question 25:

Will an environmental consultant be required on this project?

Answer – There is no anticipated need for an environmental consultant. If it is determined there is a requirement as the detailed design progresses, the Town will work with the Consultant to select an appropriate consultant and the fees will be considered additional to the agreement with the Consultant.

END OF ADDENDUM 4
