

BID DOCUMENTS FOR
NEW FOR RUPERT RESERVOIR AND REPLACEMENT
WATER TREATMENT RESERVOIR – CONTRACT 2

11/1/2017
FILE: 111720046

TENDER #: 1220-20-519-2017

ISSUED BY: _____

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Addendum issued to active tenderers with documents on record **(5 pages including attachments)**

1. Are you open to any alternates in place of the Krohne meter?

Response: Meter substitutions not accepted.

2. Can the bids for this tender be submitted electronically before the closing date and the hard copy delivered within 24 hours thereafter?

Response: The bid submissions for CONTRACT 2 ONLY will be accepted electronically by email delivered to jon.bell@stantec.com and abbas@porthardy.ca before the specified closing date and time, facsimile machine submissions will not be accepted. The bidder to ensure the electronic submission contains ALL the required documentation outlined in the Instruction to Tenderers. Hard copies will then be accepted up to 24 hours past the specified closing time / date in a sealed envelope, marked on the outside with the Contract Title and Reference No. delivered to:

Jon Bell
Stantec Consulting Ltd.
400 – 655 Tyee Road
Victoria, BC V9A 6X5

3. Final site grading surrounding the reservoirs is quoted in specification 33 69 00 is this required under this contract?

Response: Site grading will be completed by Contract 1 and not required under this contract.

4. Interior stainless steel piping under this contract will require significant cathodic protection. Can we use PVC or Carbon Steel instead?

Response: The interior piping supplier including the tideflex system can be NSF 61 epoxy coated carbon SCH 40 steel (interior and exterior of the pipe) to minimize cathodic protection. The contractor will provide appropriate isolation between the stainless steel piping installed by contract 1 and the coated carbon steel piping if the tank supplier elects to use this type of pipe.

PVC piping is not accepted as the tank will contain fire storage and under NFPA regulation PVC cannot be used.

5. Supplementary General Conditions delete clause 4.16.2 in its entirety:

"The Contractor shall designate a public relations program contact who shall be responsible for implementing all measures of the public relation program, and who shall be the contact for any public concerns or questions."

Written Notice to be delivered to each home or business describing work, schedule and how it affects them. Provide a phone number and the name of the person to be contacted in case of any complaints related to the Contractor's work, or to discuss the project or their problems. Notice to be delivered a minimum of one week prior to the anticipated construction start date."

Notification template will be supplied to the Contractor to use for Public Notifications. Contractor will be required to fill in any additional information required on the template (i.e. dates of service disconnection and connection etc.) and deliver these notices as per the contract requirements. Verification of notice delivery will be required. The Contract Administrator will review the notices from Contractor and will keep the District informed with respect to Public Notifications."

6. Supplementary General Conditions delete clause 4.16.3 in its entirety:

" The Contractor shall provide public notification as follows:

- .1 48 hours' notice is required for temporary utility shut downs;*
- .2 5 days' notice is required for utility long term shut downs that require temporary water service connections.*
- .3 5 days' notice for any road closures directly affecting the public (ex. closing the alley behind their house or the road in front of their house.)"*

7. Supplementary General Conditions delete clause 13.9.1:

"If the Contractor fails to meet the Milestone Date for Substantial Performance as set out in the Form of Tender, paragraph 2.2 as may be adjusted pursuant to the provisions of the Contract Documents, then the Owner may deduct from any monies owing to the Contractor for the Work. Liquidated damages will be assessed at this time."

And replace with revised clause 13.9.1:

"as a genuine pre-estimate of the Owner's increased costs for the Contract Administrator and the Owner's own staff caused by such delay an amount of \$500.00 per day up to a total of 10% the contract cost or pro rata portion for each Day that actual Substantial Performance is achieved after the Substantial Performance Milestone Date; plus

8. Supplementary Specifications Section 01 57 01 article 3.0 delete clause in its entirety:

"Environmental Management Plan and Erosion and Silt Control shall include completion and submission of the Environmental Management Plan acceptable the Owner and the Owner's Representative, compliance with the all requirements of the Environmental Management Plan including erosion and silt control, and all incidental work."

9. Supplementary Specifications Section 31 23 01 article 1.0 delete clause in its entirety as excavation not required under this contract:

1.0.2 Compaction testing to be performed by a qualified Geotechnical Firm in a grid of every 5.0m under building and reservoir foundations.

.1 If works are filled in, Contractor to uncover works to provide Geotechnical engineer with access to each lift to be tested.

.2 Provide compaction results to the Engineer immediately upon receipt.

.3 Compaction reports must clearly state the location (using drawing stationing) and lift depth.

.4 If compaction reports are outside of the requirements specified above the Contract Administer may direct the Contractor to expose various sections for retesting. At a cost borne by the Contractor.

.5 Minimum required compaction regardless of location is 95% Modified Proctor Density.

1.7 DISPOSAL

1.7.1 The Contractor shall dispose of excess common excavation and unsuitable material at an off-site location approved by the Owner at the Contractor's expense.

10. Supplementary Specifications Section 31 23 01 article 3.3 and 3.5 ~~delete~~ clause in its entirety as excavation and backfill and compaction is not required under this contract:

3.3 EXCAVATION

3.3.13 Subgrade Preparation:

.1 Subgrade shall be protected from freezing, wetting, or drying. Any surfaces that dry or become wet must be scarified, moisture conditioned, and recompacted.

.2 Remove all logs, trees, brush, stumps, roots, and other deleterious material from the specified areas except for trees or vegetation designated to be preserved.

.3 Remove all stumps and roots and other deleterious materials to 900 mm below the ground surface.

.4 Remove unsuitable organic soils, rubbish fills, concrete and other undesirable materials

.5 Perform topsoil and subsoil stripping. Topsoil and subsoil are as described in the Canadian System of Soil Classification.

.6 Drain surface water away from the stripped areas to prevent ponding and infiltration in fill placement areas

.7 Remove debris, snow, ice, water, and loose material prior to starting fill placement. Do not place fill material when the material, the foundation, or the surface on which it would be placed is frozen.

.8 Moisten if required, and scarify the foundation surface to a minimum depth of 200 mm to obtain a good bond prior to placing the first lift of fill. [Scarification of bedrock foundation surfaces is not required.]

- .9 Grade and compact the scarified foundation surface to the same density specified for the overlying fill.
- .10 Remove all projecting knobs of rock to facilitate operation of compaction equipment and avoid differential settlement if bedrock discovered.

3.5 BACKFILL AND COMPACTION

3.5.1 General: The Fill Placement will meet the following requirements:

- .1 Do not place fill material on any surface until the prepared surface has been inspected by the Engineer's Representative. Rectify any defects, including any identified by the Engineer.
- .2 Stump holes must be filled and hand compacted.
- .3 Construct fill zones at the locations, and to the lines, grades, slopes, and elevations specified in the Contract Documents, or as established by the Engineer, using fill materials that are placed, conditioned, and compacted to the specified requirements.
- .4 Overbuild final fill slopes and then trim them to the lines, grades, slopes, and elevations specified in the Contract Documents.
- .5 Maintain the top surface of fill zones approximately horizontal. During spreading and compaction, provide the surface of the fill zone with a gentle transverse gradient of 3% to 5% so that water from precipitation will drain freely toward the extremities of the fill zone but away from any filter materials.
- .6 Place and spread fill materials in continuous and approximately horizontal layers of uniform thickness in such a manner as to prevent segregation and stratification and to obtain a homogeneous mass.
- .7 Moisten each previously placed lift, if necessary, and work with discs to a minimum depth of 50 mm to provide a bonding surface prior to placing the overlying lift of fill material except when such work cannot be performed because of cold weather.
- .8 Protection:
 - .1 Suspend fill placement operations at any time when work cannot be performed in accordance with the specifications on account of rain, flooding, cold weather, or other unsatisfactory conditions.
 - .2 Immediately prior to any suspension in fill operations, slope the fill surface as specified and roll with rubber tire equipment or smooth cylindrical roller so as to leave the surface area in a smooth, even condition for drainage.
 - .3 Protect compacted fill and foundation surfaces that have been prepared for receiving fill from freezing by using a temporary layer of soil or insulating materials, where necessary. Remove protection only when the Contractor is ready to place fill.
 - .4 If necessary, condition, rework, and re-compact or remove and replace any portion of the fill or foundation that has suffered a reduction in quality due to

drying, frost, rain, or any other reason to the specified requirements before placing succeeding layers.

11. Supplementary Specifications Section 33 11 01 article 3.23 delete clause in its entirety as no other connections required other than to the stainless steel stub ups within the footprint of the reservoir:

3.23 CONNECTION TO EXISTING MAINS

3.23.1 Connections to existing waterworks will be made by the *Contractor. District Staff to be onsite during connections.*

.1 Contractor to provide District with 1 week advanced notification for tie in.

3.23.2 Provide written notification to all affected residents a minimum of 48 hours prior to service interruption. Service interruptions must be minimized.

3.23.3 Fittings used for the tie ins should be cleaned of foreign material and sprayed with a 1% sodium hypochlorite solution prior to assembly.

Distribution:

District of Port Hardy to Post on BC Bid.