nhc
northwest hydraulic consultants

June 27, 2022

ON BEHALF OF:

Regional District of Nanaimo
6300 Hammond Bay Road
Nanaimo, BC V9T 6N2

Re: Addendum No. 02, Invitation to Tender 22-051
Sewer Interceptor East of Oar Road, Lantzville, BC Erosion Protection Construction

TO ALL PROSPECTIVE RESPONDANTS:

Invitation to Tender 22-051, Addendum No. 02 is hereby issued and attached hereto.

Respondents are advised that the closing date remains unchanged. Responses will be accepted up to 15:00:00 June 30, 2022, Pacific Time.

Sincerely,

Neville Berard, P.Eng.
Project Manager
Northwest Hydraulic Consultants

Attachments: 0

REGARDING EQUIPMENT CROSSING BLOODS CREEK:

Bloods Creek is a small creek that drains across the beach near Oar Road (49°15'06.7"N 124°03'48.7"W). The method to be used for crossing this creek shall be the discretion of the *Environmental Monitor* based on flow conditions at the time of construction. Crossing options could include:

- Using rubber blast mats to line the stream channel at the access path. Equipment could drive over while remnant water could flow through and under the porous mats
- Armouring the channel at the access path with native rock material so that the equipment could drive over while maintaining the channel.
- Installing a steel pipe to divert water through and armouring over top with rocks or mats for equipment passage.

REGARDING EQUIPMENT CROSSING BOAT LAUNCHES:

The Contractor shall protect the two boat launches that cross the beach from damage from tracked equipment by use of rubber blast mats or a similar solution. Use of equipment or vehicles with rubber tires is acceptable and does not require the use of mats. The approximate coordinates for the boat launches are:

- 49°15'06.7"N 124°03'48.7"W
- 49°15'05.9"N 124°03'43.9"W

Post-construction, the *Contractor* must make good any damage incurred to the boat launches to the level it was pre-construction.

REGARDING QUANTITY VERIFICATION AND REQUIRED SURVEY WORK:

The survey required by section 4.9 of Instructions to Tenderers Part I and section 1.13 of General Requirements shall be for two purposes: material quantity verification for measurement and payment; and for the construction record drawings described by section 1.14.
Additional survey directives affected by this addendum include:
The *Contractor* shall complete four topographic surveys to support material quantity verification at the following project milestones:

1. Pre-construction
2. Following the placement of the filter rock
3. Following the placement of the armour rock
4. Following the placement of the cobble fill, which shall also serve as the post construction survey

REGARDING FUELING ON SITE:

Section 7.7.5 of the CEMP provided with the tender specifications package states that equipment fuelling shall take place at designated fueling stations with suitable containment (drip pan or impermeable surface) and must occur a minimum of 15 m from all waterbodies.

The site falls within the intertidal area; and equipment will be required to return to the staging area as is required so as not to be working “in the wet”. Due to the tidal restriction, work hours may be reduced

compared to a site outside the intertidal zone. It is anticipated that refueling would not be needed outside of the staging area provided the equipment always departs the staging area with a full tank.

Fueling outside of the staging area in the intertidal zone would be considered by the *Environmental Monitor* on a case-by-case basis and would involve special containment and procedures. Limiting fueling to the staging area is environmentally preferable.

REGARDING MINIMUM DISTANCE REQUIREMENTS CONFLICT:

There was clarification requested surrounding the minimum 5 m distance (section 1.7.5 of Supplementary Specifications – General Requirements) that must be kept from the pipeline, and whether it would take precedence over keeping equipment as close to the high-water line as possible.

As stipulated in the CEMP, DFO allows marine foreshore construction for the project location between July 1st – September 1st. The CEMP states: "[this timing constraint is] specific to work below the highwater mark. Intertidal work must take place during periods of low tides and no materials placed "in the wet"".

Both requirements must be met during construction. Equipment must maintain a minimum of 5 m from the pipeline and remain out of the wet. During periods of high tide when meeting it is not possible to satisfy both requirements, materials (except for rock materials) and equipment must be removed from site.

REGARDING LOCATING OF THE PIPELINE:

There are a total of 13 manholes between the project site and Oar Road. The RDN will provide the coordinates of the manholes to the successful bidder. The Contractor will not be required to independently locate either the manholes or the pipeline but will be required to mark out the pipeline route for visibility during construction.

The manholes are located approximately along the 2 m CGVD2013 elevation contour. The pipeline will be assumed to be straight lines between the manholes for the purposes of access route delineation. Section 1.7.5 of the Supplementary Specifications – General Requirements requires that heavy equipment stay 5 m away from the pipeline; this will be from the straight lines between manholes.