



November 14, 2024

ENQUIRIES AND RESPONSES # 1
NWIT-24-12
Queensborough Shoreline Protection Rehabilitation
New Westminster, BC

ANSWERS TO SUBMITTED QUESTIONS

- Q1 Reference: Location 1 Drawing 317071-00039-00-MA-DGA-1521, Material Specifications, 1.0 Geotextile Fabric and Location 2 Drawing 317071-00039-00-MA-DGA-1531, Material Specifications, 1.0 Geotextile Fabric Different geotextile fabric specifications are provided for Location 1 (Nilex 4553 or approved equivalent) and Location 2 (Layfield LP10 or approved equivalent) . Please confirm if the intent is to use geotextile with higher specification for Location 2
- A1 A higher specification of geotextile is required at Location 2 due to different pore size requirements.
- Q2 Reference: Imported Backfill Items: Base Item 2.12, Provisional Scope 1 Item 2.09, and Provisional Scope 2 Item 2.10 The x-section drawings show excavated toe to be filled with native material. The subgrade fill, however, (fill to bring the surface to subgrade) is labelled as compacted backfill. Please clarify if all the subgrade fill required for the project is imported fill and the fill at the toe native fill.
- A2 If the excavated toe material is suitable for reuse as backfill, it should be used as subgrade material behind the slope protection. If the engineer deems the native material is unsuitable for reuse as backfill, imported backfill will be required. Bidders are to provide rates to “Excavate, place and compact existing fill material” and “Supply, place and compact imported backfill”. Payment for these items will be calculated using these rates. For Location 1, more material is being excavated than is required for backfill, so a quantity to “Excavate, load, haul and dispose unsuitable fill material offsite” has been estimated.
- Q3 Reference: Item 2.09 Base Scope; Item 2.06 Provisional Scope 1; Item 2.04, Provisional Scope 2 There is no stripping quantity mentioned in the 'Schedule of Quantities and Prices'. (1) Please clarify if the stripping quantity is part of the excavation for areas to be excavated, and (2) For the fill areas, please clarify if the compacted imported fill to subgrade surface also includes the additional fill that is equal to stripping volume. If the quantity of fill given in the 'Schedule' includes the extra volume of fill to compensate the stripping volume, please provide the stripping depth required.
- A3 The stripping quantity is included in the overall quantity of material to be excavated to achieve the subgrade profile.
The quantity of fill does not assume a stripping depth. If a higher quantity of imported fill is required than has been estimated, payment will be calculated using the actual quantities and the tendered rates.

- Q4 Reference: Item 2.13, Base Scope, Replacement of chain wire fence, the length of chain wire fence that will be affected has not been stated. Please confirm if the existing chain wire fence is to be removed and replaced, and, if so, please provide the length of removal/ reinstallation. Form of Tender, Appendix 1, Location 1, Rate Only Items, item 1.04 also mentions rate to be provided for the installation of 1.8m high chain wire fence.
- A4 A section of chain wire fence at location 1 will need to be removed and replaced to undertake the work. The length of the chain wire fence to be removed will depend on the contractor's proposed methodology. This item is a lump sum item, and bidders are to estimate the length of fence that will require removal and replacement. The rate only item has been provided for pricing purposes should the client instruct the Contractor to replace sections of fence that are outside of the specific work area.
- Q5 Reference: Qualified Environmental Professional Services - Item 2.02, Base Scope; item 2.01, Provisional Scope 1; item 2.02, Provisional Scope 2. Construction Environmental Management Plan for the project prepared by Advisian mentions roles and responsibilities of key personnel. It states the City will provide a copy of CEMP to the contractor, and Environmental Monitor will be QEP with experience in construction environment management. Please confirm if the City will act as an EM/ QEP for the project, and that the contractor also should have its own QEP.
- A5 The Contractor shall retain the Environmental Monitor and Qualified Environmental Professional to oversee the works and ensure the conditions of the CEMP and permits are adhered to, including reporting requirements. City will not act as an EM/ QEP for the project.
- Q6 Reference: Base Scope 2.04 and 2.05 Station 0+060, drawing 1523, and Station 0+090, drawing 1524 specify epoxy coating for the inside and outside of the 600mm dia Sch 40 steel pipe. However, we could not find the specifications for the coating in the drawings or the tender document. Could you please provide the specifications for the epoxy coating?
- A6 Coating to be Interseal 670HS by International
- Q7 Reference: Base Scope 2.04 and 2.05 Is the 600mm dia steel pipe required to be True SCH40 with a wall thickness of 0.688" or STD SCH40 with a wall thickness of 0.375"? Can you please provide information on the thickness of the pipe?
- A7 This information is not available. Bidders to price the most expensive option. Actual thickness to match the existing and is to be confirmed on site by the Contractor.
- Q8 Is it possible to provide notes / information that was noted during the site walk?
- A8 As per the Instructions to Tenderers, no notes were taken at the meeting.
- Q9 Regarding watering of plant material, the contractor is responsible for developing and implementing an irrigation plan for the establishment period, depending on the season. Will there be a water source available for truck watering, if required?
- A9 A water source will not be provided. The contractor is to source water.
- Q10 Please confirm that the plant warranty period for the plants is during the establishment period only, based on the 2 noted inspection timeframes.
- A10 The warranty period for the plants (referred to as the establishment period) is 12 weeks from substantial completion. Any plants that are not healthy at the end of the establishment period shall be replaced and the establishment period restarts for those plants.

Q11 Note 3.10 on the drawing's states – Fence to be Reinstated post construction in accordance with the original design. Can you please provide extent of fencing to be removed and reinstated as well as fence specifications and details to ensure that we are pricing the correct fence product.

A11 A section of chain wire fence at location 1 will need to be removed and replaced to undertake the work. The length of the chain wire fence to be removed will depend on the contractor's proposed methodology. This item is a lump sum item, and bidders are to estimate the length of fence that will require removal and replacement. The rate only item has been provided for pricing purposes should the client instruct the Contractor to replace sections of fence which are outside of the specific work area.

The specification of the existing fence is not available. Refer below photo of the existing fence. The fence is to be replaced on a like-for-like basis.



Q12 Is any of the unsuitable fill to be considered contaminated?

A12 We have not conducted specific testing to confirm if the unsuitable fill is contaminated. When providing the rate for the disposal of unsuitable material, Contractors are advised to draw on their experience with similar projects when assessing potential requirements for handling and disposing of material.

Q13 Is any of the material from the (Remove and dispose of shoreline vegetation and materials) to be considered contaminated?

A13 Bidders to assume that the timber debris to be removed from site will be creosote treated.

Q14 What is the duration of the maintenance periods?

A14 The maintenance period is 1 year per MMCD.

Q15 For Location 1, can you confirm which plants are paid in items 2.14 and 2.15

A15 The "Riparian zone planting" plants are listing in the Planting Schedule on Drawing 1525 under RIPARIAN PLANTING AREA.

The "Vegetated bench planting" plants are listing in the Planting Schedule on Drawing 1525 under VEGETATED BENCH.

Q16 For location 1 (Provisional 1), can you confirm which plants are paid in items 2.10 and 2.11?

A16 The “Riparian zone planting” plants are listing in the Planting Schedule on Drawing 1525 under RIPARIAN PLANTING AREA.

The “Vegetated bench planting” plants are listing in the Planting Schedule on Drawing 1525 under VEGETATED BENCH.

Q17 For Location 2, can you confirm which plants are paid in item 2.07 and 2.11?

A17 No plants are required under items 2.07 and 2.11

Q18 For location 2 (Provisional 2), can you confirm which plants are paid in item 3.01, 3.02 and 3.03?

A18 The “Riparian zone planting” plants are listing in the Planting Schedule on Drawing 1536 under RIPARIAN PLANTING AREA.

The “Vegetated bench planting” plants are listing in the Planting Schedule on Drawing 1536 under VEGETATED BENCH.

The “Mudflat planting” plants are listing in the Planting Schedule on Drawing 1536 under MUDFLAT AREA.

Q19 Is there a list of acceptable quarries for the armour rock and filter rock supply?

A19 The City is unable to recommend quarries for the armour rock and filter rock supply

END of Enquiries and Responses

Yours truly,



Heather Rossi
Procurement Specialist