

Questions and Answers- Set 2

- 1) What's the class A backfill for this project? I'm assuming it's just typical gran A.

GRANULAR A IS CORRECT.

- 2) **1.0 Item 14.0 - Overshot Gates**

Please fabrication details or approved supplier for the overshot gate

THE SUCCESSFUL BIDDER WILL DEVELOP FABRICATION DETAIL.

2.0 Item 10.0 - Sheet Pile

Please provide the type of sheet pile required at the cut-off wall (cold rolled / hot rolled / cross-sectional area properties, wall thickness, depth, etc).

SHEET PILE SECTION: AZ-25, HOT ROLLED

3.0 Item 13.0 - Structural Steel & Metal Fabrication

Please provide a detail/drawing of the ladder show on drawing G0. What standard do we fabricate this to.

ONTARIO MINISTRY OF LABOUR, ENGINEERING DATA SHEET 2-04:

https://www.labour.gov.on.ca/english/hs/pubs/eds2-4_ladders.php

4.0 Item 03.0 - Cofferdam Construction

Who is responsible for the Fish Rescue inside the cofferdams. What is the basis of payment for this item. There is no Pay Item for this work.

DFO WILL PERFORM FISH RESCUE, THEREFORE NO COST TO CONTRACTOR.

5.0 Item 03.0 - Cofferdam Construction

Is there an in-water works window for this project. Who is responsible for the Fish Rescue inside the cofferdams. What is the basis of payment for this item. There is no Pay Item for this work.

THE IN-WATER WORK PERIOD IS JULY 15-OCTOBER 1, 2017, AND JULY 15-SEPTEMBER 15, 2018. DFO WILL PERFORM FISH RESCUE, THEREFORE NO COST TO CONTRACTOR.

6.0 Item 09.0 - Concrete Mat

What is the basis of payment for this item. There is no Pay Item for this work in the Form of Tender. Please provide a approved manufacturer of this product.

PAYMENT WILL BE BASED ON MEASURED AREA MULTIPLIED BY SUCCESSFUL BIDDER'S UNIT PRICE RATE. PLEASE SEE TECHNICAL SPECIFICATION FOR DETAIL OF THIS ITEM.

- 1) By our count drawing G17 Void Grouting Plans shows 112 grout holes, however Items under S.N. 9.0 of Appendix 1 Price Form indicate that there will be 489 grout holes. This scale of difference between the two makes it difficult to put together a fair & competitive price and schedule. Would the purchaser consider revising the quantities on the price form to match the drawings and planned scope of work?

THE APPROPRIATE NUMBER OF HOLES TO CONSIDER IS 112, AS SHOWN ON DWG G17.

- 2) Item number 9.3 of Appendix 1 Price Form shows an estimated quantity of 100 cubic metres of grout. Based on the area of the spillways and the findings of the ground investigation we believe this quantity to be significantly overestimated (suggesting average voiding is on the order of 300mm thick). Significantly overestimating the volume of grout required makes it difficult to put together a fair & competitive price and schedule. Would the purchaser consider revising the quantities on the price form?

THE ESTIMATED GROUT VOLUME CAN BE REDUCED TO 75 m³.

- 3) Bid item 7.0 supply and installation of sheet piles
We cannot find any information on the sheet pile section or thickness to be supplied.

Please specify sheet pile section and thickness.

SEE ANSWER TO 2)2.0 ABOVE.

- 4) Bid items 5.4 and 5.9 call for grouted Rip Rap composed of stone sizes from 600mm – 900mm the approximate depth of the excavation to be filled with this Rip Rap is 1,220mm deep and 2,000mm wide. The drawings show the top of the riprap to be sloped but smooth in order to allow the water on and off of the spillway in the least turbulent manner. Using such big stones in such a small fill zone will make it impossible to achieve a smooth surface.

SOME ROUGHNESS IS EXPECTED WHEN USING MATERIALS OF DIFFERENT SIZES. THE SUCCESSFUL BIDDER SHOULD TRY THEIR BEST TO MAKE FINISHED SURFACE SMOOTH.

Will it be acceptable to used gabion stone 150mm – 200mm as the rock in the grouted Rip Rap this will allow the top of the Rip Rap to be kept relatively smooth. It will also be a savings to the owner as gabion stone is readily available product as opposed to the 600mm – 900mm Rip Rap stones which will have to be picked from the oversized rock at the quarry.

GABION STONE IS AN UNACCEPTABLE SUBSTITUTE.