



Addendum No. 5

Invitation to Tender ES-19-03

Transfer Station Construction at Mackenzie Regional Landfill

The addendum is being issued prior to the closing of the Invitation to Tender to provide further information, make changes to, or to clarify the Contract Documents and is to be read, interpreted and coordinated with all other parts of the Contract Documents. In case of a conflict with the balance of the documents, this Addendum shall govern. **Tenderers shall attach a signed copy of this addendum to their tender.** This addendum shall form part of the Contract Documents.

Question: A (1x) side by side opening 42' 39' window with overhead drip edge and customized rugged steel frame for roll shutter shall be supplied with trailer.

- Is this 42" wide x 39" high window?
- Does side by side mean an XO slider window?

Answer: The description of the window for the office trailer should read: a side-slide opening window with a 42" by 39" window.

Question: "SGC.4 Contractor Use of Site" shows the successful contractor will be limited to working 10:00am to 6:00 pm Mon to Fri. Will this be strictly adhered to, or is access to site expected to be extended?

Answer: See Addendum No. 4, pages 2 and 3.

Question: I have a question in regards to the Steel Building.

Hot dipped galvanized 055000 Misc Metals Spec refers to the steel building frames?

Answer: The structural steel notes on general notes (sheet 2/2) Drawing No. 18043-1113 call for exterior steel to be galvanized, however note 10 allows painting in lieu of galvanizing. Galvanizing the entire steel structure would be very costly, painting is the more practical option. The only items that require galvanizing are the girts and purlins which come galvanized from the manufacture.

Question: Is it the Owners expectation that all granular material required for the project will come from the "Owners onsite gravel source"? If so, is there geotechnical information or test pit information for the source?

Answer: For geotechnical information and test pit information see Appendix E – Geotechnical Report. Payment Item 3.3 has the provision for imported (not onsite pit run) material. Payment item 2.2 includes all labour and equipment required to excavate, sort, load, haul, place and compact onsite pit-run material as indicated on Drawing No. 18043-1005 Rev C. Under no circumstance, should the Contractor access the area identified as "Borrow Pit" located outside the Work Area as identified in Drawing No. 18043-1002 Revision B. The "Borrow Pit" located outside the Work Area is solely for landfilling operation use.

Question: On 18043-1112 under Pre-Engineered Building, Point 4 refers to Girts and Purlins to be Galvanized. Is all Primary and Secondary steel required to be Hot Dipped Galvanized?



Answer: The structural steel notes on general notes (sheet 2/2) Drawing No. 18043-1113 call for exterior steel to be galvanized, however note 10 allows painting in lieu of galvanizing. Galvanizing the entire steel structure would be very costly, painting is the more practical option. The only items that require galvanizing are the girts and purlins which come galvanized from the manufacture.

Question: Please confirm that the building does not require insulation or insulated panels. The specs for the roof on Drawing No.18043-1112 state that the roof shall be a galvalume standing seam with no insulation. It is usually cheaper to go with a screwdown roof instead of a standing seam roof. Would you like us to price this building with a galvalume screw-down roof? We recommend adding at least 4" of metal building insulation to the roof to help with condensation in the building. Would you like us to provide a price for 4" of metal building insulation for the roof? If you do want to stick with a standing seam roof, we recommend adding some insulation to the roof. This will help prevent the roof from rattling in the winds.

Answer: Bidders are to submit pricing according to the drawings for tender evaluation purposes, but that options may be submitted for consideration once a successful bidder is chosen.

Question: On Drawing No.18043-1202 Type C light fixtures, are there 2 Type C fixtures installed on 1 pole, or will there be 4 poles required with 1 light per pole.

Answer: The Type C lights on Drawing No. 18043-1202 Rev B have been removed from the scale and scale house work, please refer to the revised Drawing No. 18043-1202 Rev C.

Question: In regards to Payment Item 3.8, please define the following "...and all other items as per contract documents."

Answer: The Measurement and Payment Specification under Section 01 20 00, Subsection 012000.1.4 under Paragraph H (Payment Item 3.8 Supply and Install Other Items (bollards, etc)) provides a detailed description of all items required.

Question: Please clarify the intention with the material stockpiled in the borrow pit, is the plan to use this material as fill, if so are there organics that will be required to stripped on these stockpiles.

Answer: "Payment item 2.2 includes all labour and equipment required to excavate, sort, load, haul, place and compact pit-run material as indicated on Drawing No. 18043-1005 Rev C. The cost associated with the "cut" work will be compensated as part of Payment item 2.2 and is identified as "excavate". For the detailed description of all other incidental work included in payment item 2.2 please see section 012000.1.3 Earthworks and Surface Water Management (Division 2) subsection B of the Technical Spec 01 20 00 Measurement and Payment. Under no circumstance, should the Contractor access the area identified as "Borrow Pit" located outside the Work Area as identified in Drawing No. 18043-1002 Revision B. The "Borrow Pit" located outside the Work Area is solely for landfilling operation use. Drawing No.18043-1005 Rev C indicates the maximum on-site cut volume available (36,288 m³). The regarding works requires approximately 32,130 m³ (Payment item 2.2) and 2,305 m³ (Payment item 3.3) equivalent to a total volume of 34,435 m³. Payment will be made per m³. Measurement will be as per calculated quantities based on topographic survey of the limits of the completed work, conducted by Contractor and verified by Engineer before and after work is completed"



Question: Page 50 in the specifications 'Bill Payment 2.2 mentions you want 150 mm lifts with 300 mm minus Pit Run. I foresee a problem trying to install 300mm minus material on 150mm lifts, please clarify.

Answer: The sorted 300 mm minus material described under Payment item 2.2 shall be placed in 0.5 m thick lifts. For additional details, see section 012000.1.3 Earthworks and Surface Water Management (Division 2) subsection B of the Technical Spec 01 20 00 Measurement and Payment.

Question: What type of construction is the swap shed? Wood frame, pre-eng? How is it currently secured to a foundation?

Answer: The swap shed is a self framing metal building with eavestrough and downspout. The swap shed will be secured to it's new foundation as per manufacturers specifications.

Question: Section 333116.1.1 indicates 200 mm SDR28 drain pipe while Drawing No. 18043-1101 and Drawing No. 18043-1108 both indicate DN150 SDR35 drain pipe. Please confirm which is to supersede the other.

Answer: The DN150 SDR35 Drain Pipe is the correct drain pipe required.

Question: Please clarify the "incidental work" under Payment Item 5.2 Supply and Install New Electric Bear Fence.

Answer: The incidental work under Payment Item 5.2 Supply and Install New Electric Bear Fence includes, but is not limited to:

- The electric fence must meet all the technical requirements as specified under Section 32 31 13 Bear Fencing
- Fence alignment clearing, grubbing and grade preparation
- Prepare ground surface such that fence alignment is straight and flat
- Energizing, connection to the existing fence, commissioning and testing
- Supply and Install swing gates as per Contract Documents
 - One (1) 10 m (32.8') wide swing gate that consists of two swinging panels that meet in the middle
 - Three (3) 7.3 m (24') wide swing gates that consist of two swinging panels that meet in the middle

Question: Drawing No. 18043-1012 (Sheet 13) indicates a 63 m long ditch to the ravine with variable depth. Please confirm how this work will be compensated.

Answer: The 63 m long trapezoidal drainage ditch to the ravine must include a 450 mm layer of 150-450 mm Rip Rap and will be compensated under Payment Item 2.4 Construct Trapezoidal Drainage Ditch incl. 150-450 Rip Rap (Type 2).



February 25, 2019

Addendum No. 5 Received.

Signature of Tenderer

Name of Tenderer

Inquiries relating to this ITT may be directed to:

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