



Project:	2022-RFT-030 821131– Solid Waste Landfill Construction		
Addendum No.	03	No. of Pages:	6
Date:	2022-05-25	Doc. No.:	P7201-1591092266-155(1.0)

The following change(s) in the Request for Proposal Documents are effective immediately.
This Addendum forms part of the Contract Documents.

The purpose of this Addendum is to clarify and answer for bidder’s question on tender 2022-RFT-030 issued for bid on April 19, 2022.

Submission Deadline

The submission deadline is extended to Wednesday June 1 at 3:00 PM EST.

Public Opening

The public opening will be held on Wednesday June 1 at 4:00 PM. Call-in details are provided below.
Meeting ID: 968 6887 2154
Passcode: 790414
One tap mobile
+15873281099,,96868872154# Canada
+16473744685,,96868872154# Canada

Dial by your location
+1 587 328 1099 Canada
+1 647 374 4685 Canada
+1 647 558 0588 Canada
+1 778 907 2071 Canada
+1 780 666 0144 Canada
+1 204 272 7920 Canada
+1 438 809 7799 Canada
Meeting ID: 968 6887 2154

Question 1:

Response 15 – Indicates the manholes as: “uninsulated concrete manholes.” Would a steel manhole be an approved alternate?

Response 1:

A steel manhole would not be considered as an approved alternative.

Question 2:

Please provide a detail on the pipe and manhole connections. The details shown on LF-C28 do not provide any specific detail on the connection between concrete manholes and HDPE pipe.

Response 2:

Connection requirements for piping at concrete manholes are to be made using a flexible, watertight gasket product suitable for wastewater/leachate applications, A-LOK X-CEL or approved equal.

Question 3:

Can the consultant please review and confirm the desired Granular C gradation, particularly the 4.75mm (No.4) and 1.18mm (No. 16) sieve?

Response 3:

The City of Iqaluit's Municipal design guidelines granular classification for Granular C would be acceptable.

Question 4:

Would the consultant accept the City of Iqaluit's Municipal design guidelines granular classification for Granular C?

Response 4:

The City of Iqaluit's Municipal design guidelines granular classification for Granular C would be acceptable.

Question 5:

Is the contractor to provide a convoy unit for hauling from the North 40 pit? If so, please provide the limits of where the convoy is required?

Response 5:

The contractor is responsible for hauling material in a safe and appropriate manner from the Northwest Deposit to the landfill site.

Question 6:

Response 18 from Addendum 2 – “Little Giant Pump” is a manufacturer of pumps. There are a multitude of pumps in which they supply with different performance characteristics. Please provide the desired model #.

Response 6:

Little Giant C1 Series, 10gpm, Model 10C1-05P4-2W115.

Question 7:

Addenda #1&2 reference the Quarry Operation Manual Plan. Can Dillon or the City of Iqaluit provide a draft? If not, could a cash allowance be provided to potentially capture any unforeseen costs related within?

Response 7:

The Plan is not yet available. It is currently being developed. It will be provided to the successful bidder once it is prepared. The contractor is responsible for following best practices for quarry management and carrying all associated costs, which includes but is not limited to, the following items. The Plan will have more details.

Establishment of New Quarries

24. The Proponent shall clearly stake and flag pit and quarry boundaries so they remain visible to other land users.
25. The Proponent shall locate quarry/pit facilities so as to avoid all recreational sites and public use areas, and to protect unique geographical features and natural aesthetics.
26. The Proponent shall ensure there is no obstruction of natural drainage, flooding or channel diversion from quarry/pit access, stockpiles, or other structures or facilities.
27. The Proponent shall ensure that silt fences/curtains are installed down gradient of any quarry activities.
28. The Proponent shall maintain an undisturbed buffer zone between the periphery of quarry sites and the high water mark of any water body that is of an adequate distance to ensure erosion control.
29. The Proponent shall use water or other non-toxic and biodegradable additives for dust suppression as necessary to maintain ambient air quality without causing water to pool or runoff.
30. The Proponent shall not remove any material from below the ordinary high water mark of any lake or stream.

Question 8:

Addenda #1 – Response #2 –Regarding the response received in Addendum 1, can Dillon Consulting Limited further define which parts of the drawings they take no responsibility for in reference to sharing the Civil 3D files? Please provide more clarity between the response in Addenda #1 – Response #2 and Addenda #2 – Response #42. In particular:

- a) Does Dillon take no responsibility on solely the 3D aspect, the topographic elevations, or the drawings in their entirety?
- b) If the contractor provides lump sum prices on potentially inaccurate topographic information and therefore quantities, will the City pay the contractor for the additional effort and/or materials miscalculated via appendix F provided in Addenda #1?
- c) If the response to b) is “No”, please clarify the intended and purpose of appendix F.

Response 8:

- a) The existing topographic elevations were provided to Dillon by the Owner.
- b) Refer to the response for c).
- c) The Owner understands that the Information provided in the Civil 3D files will be relied upon in a manner consistent with industry standards when viewed under similar project circumstances in similar locations. Should actual site conditions and/or requirements be deemed by the Owner to vary significantly from information provided by the Civil 3D files, contractor relief via a change order will be considered.

Question 9:

Would the City & consultant be willing to provide a Fuel supply index calculation to account for unknown fuel costs in the coming years?

Response 9:

It is the contractor’s responsibility to account for this cost throughout the duration of the project.

Question 10:

Per addendum #2; response 1 notes that the Mirafi 140NC was submit as an alternate to the Type A Geotextile but in fact it was submit as an alternate to the Terrafix 270R non-woven geotextile found at the Leachate Lagoons. (See link below for Section 7/LF-C28).

Can you please confirm if this product is approved, and confirm the non-woven geotextile required for the leachate lagoons is in fact supposed to be the product noted on the below section?

[Non-woven Geotextile - Terrafix 270R Equivalent RFI.pdf](#)

Response 10:

The Mirafi 140NC is acceptable. The Terrafix 270R is identified in Sections 7 and 8 on Sheet LF-C28.

Question 11:

With regards to the thread specified and previously submit can you please confirm if we can utilize the nylon thread listed below?

[NB CB207 LB.pdf](#)

Response 11:

The thread is accepted.

Question 12:

Can you please supply the Gradation limits for 38mm clear stone?

Response 12:

Sieve Size	% Passing
38.1	100
19	10-60
9.5	0-5
1.18	0-1

Question 13:

With regards to the wastewater lagoons, Layfield is requesting approval to propose an alternate geomembrane system in lieu of the conductive 100mil HDPE specified. The performance of the conductive liner is directly tied to ability to perfectly isolate every seam, and particularly in a remote location, this leaves zero margin for error. Layfield would need to propose the use of standard 100mil HDPE geomembrane, with a conductive backed geotextile underlay. This installation would still meet the 100mil thickness requirement, and we would still be able to perform QAQC integrity spark testing on the entire geomembrane system. Tech note of the Geovolt (conductive back geotextile underlay) is attached for reference. This is Layfield's preferred means of achieving the engineer's intended thickness/QC for the project, and unfortunately would represent our only acceptable means of bidding this northern remote project. Also, industry standard workmanship warranty is 1 year, although Layfield may be able to accommodate a 2-year warranty if the above alternate geomembrane system is approved.

[Layfield Geovolt Installation Guide.pdf](#)

Response 13:

The request to propose an alternative is accepted.
The specified 5-year warranty has not changed.

Question 14:

Can you approve Soleno HDPE manhole, see document attached?

[data sheet manhole with smooth exterior wall 02 2020](#)

Response 14:

The Soleno HDPE manhole is acceptable, provided uplift/ballast calculations are provided prior to shipping.

Question 15:

As per specifications section 33 47 14 point 1.4.3.5 it is mentioned that the shop drawings for the geomembrane needs to be stamped and signed by a professional engineer registered or licensed in Nunavut, Canada:

- .5 **Shop Drawings:**
 - .1 **Submit drawings stamped and signed by professional engineer registered or licensed in Nunavut, Canada.**
 - .2 **Submit shop drawings and indicate installation layout, dimensions and details, including fabricated and field seams, pipe boots, anchor trenches and protrusion details.**

This is not typical for Geomembrane installers to provided stamped and sealed shop drawings. Especially if the engineer needs to be registered or licensed in Nunavut. Could you please have this requirement remove from specifications?

Response 15:

Stamped shop drawings are not required.

Question 16:

Responses provided to questions 25 and 32 from addendum #2 regarding the temporary fence to be installed around cell #1 indicated to refer to the Sheet LF-30 for the detail and to Section 32 31 26 for the specifications of the temporary fence. However, there seems to be contradiction between the specifications and the drawing.

Section 31 32 26 point 2.1.1 is indicating that the wire is: Farm-field type to CSA G41, standard 748. This farm field type of wire is supplied in rolls and does not correspond to the one indicated on the "LANDFILL-CELL # FENCING C/W GATES" from drawing LF-C30 that comes in prefabricated panels.

For the temporary fence around cell #1, could you please confirm if we are to install farm field type of fence as per specifications 31 32 26 or construction temporary fencing panels as per drawing LF-C30? If we are to consider farm field type of fence, please provide more information on the required posts type, height, and diameter.

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Response 16:

The detail on LF-C30 governs.

Question 17:

What class aggregate/gradation is required for the “Cushion Layer” beneath the Geomembrane in Cell 1?

Response 17:

Modified Granular C.

Question 18:

What class aggregate/gradation is required for the *500mm compacted granular base* below HDPE liner in the leachate lagoons?

Response 18:

Modified Granular C.

Question 19:

Please see the below for the fiber roll we would like to propose as an alternative.

[04 21 12-inch Stenlog spec sheet.pdf](#)

Response 19:

This product is acceptable.

Question 20:

Please give detail for the cushion layer in the liner system, LF-C29.

Response 20:

Please see response to Question 18.

Question 21:

Please confirm that we are to supply and install 500mm of 100-150mm rip-rap stone on exterior of all Cell 1 berms from top edge, including 2,0m offset as per note 3. This information is not shown on any drawings.

Response 21:

Sheet LF-C29 Note 3 is correct.

Addendum 2 Question 45:

Is the new road to the Northwest aggregate deposit finished and is there a direct access to the new deposit? Also, who will be responsible for the maintenance of that road and snow piling during the work and from where to where?

Addendum 2 Response 45:

The main road to the NW deposit is finished, however this is an undeveloped site so the contractor will be responsible creating their own access into the deposit. The location of this access is to be submitted to the City for review prior to proceeding with the works. Road maintenance and snow removal and management for the duration of the project will be priced on a lump sum basis as a provisional item. Maintenance includes addressing and correcting all City-noted deficiencies as the City inspects the road periodically throughout the duration of the project. Snow removal includes clearing snow from the road to ensure that it remains traversable throughout the duration of the work and piling snow at City-approved locations between the NW Deposit and the Landfill site. The City reserves the right to award these services to the successful bidder or to not award these services to the successful contractor as they see fit. Please use the updated Schedule B on the next page when completing the Cost Submission Form.

Schedule B – Provisional Items					
Item	Description	Unit	Estimated Quantity	Unit Price	Price
1	Road Maintenance	lump sum	1	\$	\$
2	Road Snow Removal and Management	lump sum	1	\$	\$
Schedule B – Provisional Items Total					\$

Addendum 2 Question 46:

When is the expected date that the Nunavut Water Board will emit the permit?

Addendum 2 Response 46:

It is understood that a permit from the NWB is not required as the project has already gone through the NIRB approval process. The NWB was consulted previously.

Clarification 1: Regarding the use of the northwest deposit, the successful bidder may only extract material to be used for this project