

April 06, 2022

**INVITATION TO TENDER "ITT" NO. PS20220171  
CONSTRUCTION SERVICES FOR 2022 LFG & LEACHATE SYSTEM UPGRADES -  
VANCOUVER LANDFILL (FOR PREQUALIFIED VENDORS)**

**AMENDMENT No. 1**

**1. RE: CHANGE TO PART C - FORM OF TENDER - SCHEDULE "A" - SCHEDULE OF  
QUANTITIES AND PRICES**

The current version of Schedule "A" - Schedule of Quantities and Prices has been revised. The revised version is titled "Schedule "A" - Schedule of Quantities and Prices - AMD 1" and is available on the FTP specified in the ITT.

**2. RE: CHANGES TO DRAWINGS - PART D - FORM OF AGREEMENT - SCHEDULE 2 -  
SPECIFICATIONS AND DRAWINGS - DRAWINGS - Rev E - Issued for Addendum No.1 -  
2022/04/06**

**REVISED DRAWINGS**

The following drawings have been revised and re-issued:

- 002
- 103
- 104
- 155

Additional details and clarifications have been included. Refer to the items encircled with "bubble" or "cloud" lines for all major revisions.

**ADDITIONAL DRAWINGS**

The following drawings have been added:

- 156
- 157
- 158

The revised and additional drawings are available on the FTP specified in the ITT.

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**3. RE: CHANGE TO PART D - SCHEDULE 2 - SPECIFICATIONS AND DRAWINGS -  
SCHEDULE 2 - SPECIFICATIONS**

**Section 01 20 00 - Measurement and Payment**

***CURRENTLY READS:***

**Item 2.31 – Procure and Placement of Embankment Material (Clean Fill) for Gas Header Pipe Construction**

- a. Measurement: Volume of material in trench plus the volume of material above the existing ground surface. The volume of material in trench shall be the in-place length of trench from the existing ground surface. The volume of material above the trench shall be the in-place volume measured from the existing ground surface to the final surface.
- b. Payment: Per Cubic Metre (m3).
- c. Includes: Furnishing, hauling, placing, and compacting embankment material for constructing the pipe to required grades and soil cover requirements and surface slope requirements. Also includes fine grading surface.

***REPLACE WITH:***

**Item 2.31 – Procure and Placement of Embankment Material (Clean Fill) for Gas Header Pipe Construction**

- a. Measurement: Volume of material in trench plus the volume of material above the existing ground surface. The volume of material in trench shall be the in-place length of trench from the existing ground surface by the fixed drawing width by the average depth determined from survey of top of pipe (per 1.02 c above). The volume of material above the trench shall be the in-place volume measured from the existing ground surface to the final surface as determined by detailed topographic survey methods (per 1.02 a above) prior to placement of topsoil.
- b. Payment: Per Cubic Metre (m3).
- c. Includes: Furnishing, hauling, placing, and compacting embankment material for constructing the pipe to required grades and soil cover requirements and surface slope requirements. Also includes final surface grading prior to topsoil placement

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***INCLUDE ADDITIONAL:***

Item 2.54 – Stormwater Catch Basin

- a. Measurement: Per count of installation.
- b. Payment: Per Each.
- c. Includes: Furnishing and installing reinforced concrete catch basin and lid with concrete risers and cast iron inlet frame and grate. Also, includes trench excavation, structural bedding, embedment, final backfill, surface restoration, and cleaning as per MMCD typical CB installation.

Item 2.55 –Topsoil

- a. Measurement: Calculated quantities based on topographic survey of the limits of the completed work; conducted by Contractor and verified by Engineer.
- b. Payment: Per square metre (m2)
- c. Includes: All labour, equipment and materials required to source, test, screen, transport, stockpile, load, haul and place the Contractor supplied 300 mm thick Topsoil layer strictly conforming to Contract specifications in a single 300 mm thick compacted layer.

Item 2.56 – Hydroseed

- a. Measurement: Calculated quantities based on total area of topsoil installed.
- b. Payment: Per square metre (m2)
- c. Includes: All labour, equipment and materials required to supply and apply the hydroseed, mulch, tackifier and fertilizer mix per Contract specifications to the designated application areas. Contractor shall carefully review warrantee requirements from the Contract specifications. Re-application of hydroseed may be required in areas where seed mixture fails to establish a vigorous grass cover in the first year.

***INCLUDE ADDITIONAL:***

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**1.11 PROVISIONAL VERTICAL GAS WELLS**

1. Item 5.01 – Vertical Gas Well Drilling, 900 mm (36 in.) Dia. Boring
  - a. Measurement: Will be made from the existing surface (at the time of notice to proceed) to the bottom of the borehole. Re-drilling will only be measured for payment when the re-drilling was required because of an impenetrable solid object and when directed by the Owner. No measurement will be made of drill casing which cannot be retrieved from an abandoned boring.
  - b. Payment: Per Linear Metre (m).
  - c. Includes: All materials, labour, equipment, and activities necessary to complete the well drilling to the required diameter, depth and alignment to allow installation of well components (well completion). Includes managing, handling, and disposing of liquids encountered during the drilling process. Disposal of drill cutting is included under a separate pay item.
2. Item 5.02 – Handling, Loading, Hauling, & Disposal of Refuse from Gas Wells
  - a. Measurement: In-place depth with a neat line measurement for area, the volume will be determined by the in-place vertical measure for depth multiplied by the fixed plan dimension for area (i.e., area for boring diameter) as shown on the Drawings. No adjustments for swelling of excavated material.
  - b. Payment: Per Cubic Metre (m<sup>3</sup>).
  - c. Includes: All activities necessary for handling refuse derived from vertical gas well drill cuttings. Includes all material from the boring including potential asbestos contaminated material. Also includes loading, hauling, and disposal of soil and refuse at an onsite location designated by the Owner.
3. Item 5.03 – Vertical Gas Well Completion, 900 mm (36 in.) Dia. Boring
  - a. Measurement: Will be made from the existing surface (at the time of notice to proceed) to the bottom of the borehole.
  - b. Payment: Per Linear Metre (m).
  - c. Includes: Furnishing, fabricating and installing CPVC pipe and fittings, centralizers, geotextile, filter pack material, bentonite seals, final backfill, and miscellaneous appurtenances and fittings.

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4. Item 5.04 – Well Head Control Assembly for Vertical Gas Well
  - a. Measurement: Per count of installation.
  - b. Payment: Per Each.
  - c. Includes: Installation of the well head adapter and monitoring device. Furnishing and installation of flex hose assembly, meter run pipe, riser pipe, and pipe support. Furnishing, fabricating and installing PVC pipe, fittings, HDPE pipe and fittings, flex hose, fasteners, hardware, strut channel, and concrete. Also includes excavation and backfill, dewatering as necessary, surface restoration and disposal of excess material.
5. Item 5.05 – Procure Monitoring Device, 50 mm (2”) Dia.
  - a. Measurement: Per count of installation.
  - b. Payment: Per Each.
  - c. Includes: Procurement of Monitoring Device and delivery to the job site.
6. Item 5.06 – Procure Well Head Adapter, 200 by 50 mm, 5 Port
  - a. Measurement: Per count of installation.
  - b. Payment: Per Each.
  - c. Includes: Procurement of Well Head Adapter with 5 ports and delivery to the job site.
7. Item 5.07 –Cover Penetration Seal
  - a. Measurement: Per count of installation.
  - b. Payment: Per Each.
  - c. Includes: Furnishing, installing, seaming and testing the geomembrane, geotextile and fittings. Includes fabricated geomembrane boot (skirt and sleeve) to fit HDPE pipe. Includes furnishing fabricating and installing HDPE pipe sleeve, fused connection, fittings and hardware. Also includes excavation, surface preparation for geosynthetics, backfill, and final surface restoration.
8. Item 5.08 – Gas Pipe, 100 mm (4-in.) Dia. HDPE (SDR 17)
  - a. Measurement: Length of pipe installed as measured in the field.
  - b. Payment: Per Linear Metre (m).

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- c. Includes: Furnishing, installing, testing, and cleaning HDPE pipe, joints, fittings and appurtenances.
9. Item 5.09 – Pipe Trench, Type 1 for 100 mm (4-in.) Gas Pipe
- a. Measurement: Linear distance along centerline of trench as measured in the field.
  - b. Payment: Per Linear Metre (m).
  - c. Includes: Excavation in existing soils, refuse, and/or imported soils of all gradations and composition including cobbles and boulders less than the trench width. Also includes excavation for the range of trench widths and depths as shown on the Drawings. Also includes shoring, de-watering, and disposal of excess material. Payment also includes furnishing, hauling, placing and compacting embedment material and final backfill material. Also includes fine grading for pipe and furnishing and installing gas pipe warning ribbon and electronic locate wire. Also includes restoration of existing ground surface. Also includes benching, sloping, and shoring, and all safety measures necessary for working in and around the trench.
10. Item 5.10 – Gas Pipe, 150 mm (6-in.) Dia. HDPE (SDR 17)
- a. Measurement: Length of pipe installed as measured in the field.
  - b. Payment: Per Linear Metre (m).
  - c. Includes: Furnishing, installing, testing, and cleaning HDPE pipe, joints, fittings and appurtenances.
11. Item 5.11 – Pipe Trench, Type 1 for 150 mm (6-in.) Gas Pipe
- a. Measurement: Linear distance along centerline of trench as measured in the field.
  - b. Payment: Per Linear Metre (m).
  - c. Includes: Excavation in existing soils, refuse, and/or imported soils of all gradations and composition including cobbles and boulders less than the trench width. Also includes excavation for the range of trench widths and depths as shown on the Drawings. Also includes shoring, de-watering, and disposal of excess material. Payment also includes furnishing, hauling, placing and compacting embedment material and final backfill material. Also includes fine grading for pipe and furnishing and installing gas pipe warning ribbon and

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electronic locate wire. Also includes restoration of existing ground surface. Also includes benching, sloping, and shoring, and all safety measures necessary for working in and around the trench.

**4. RE: CHANGE TO THE CLOSING DATE AND TIME**

***Currently reads:***

1. Tenders are to be addressed to the Supply Chain Management office, 4th Floor, City of Vancouver, 453 West 12th Avenue, Vancouver, British Columbia, Canada, V5Y 1V4, and received at bids@vancouver.ca prior to 3:00pm on Wednesday, April 13th, 2022 (the “Closing Time”).

***Change to:***

1. Tenders are to be addressed to the Supply Chain Management office, 4th Floor, City of Vancouver, 453 West 12th Avenue, Vancouver, British Columbia, Canada, V5Y 1V4, and received at bids@vancouver.ca prior to 3:00pm on Wednesday, April 20th, 2022 (the “Closing Time”).

**5. RE: CHANGE TO THE CLOSING DATE AND TIME 6.0 - CONDUCT OF ITT - INQUIRES AND CLARIFICATIONS**

The deadline for enquiries has been extended as per changes to Part C - 6.0 - CONDUCT OF ITT - INQUIRES AND CLARIFICATIONS - 6.3:

***Currently reads:***

6.3 The City welcomes inquiries, requests for clarification or comments from registered Tenderers. All inquiries or comments to the City must be in written form only. All inquiries, requests for clarification and comments must be e-mailed to brian.brennan@vancouver.ca prior to Wednesday, April 6, 2022, and must in each case be addressed to the attention of the Contact Person. In response to inquiries, requests for clarification or comments, the City, in its sole discretion, may make amendments to the ITT or may issue questions and answers to all Tenderers who have submitted a Response Notification Form and post them on the City’s website.

***Change to:***

6.3 The City welcomes inquiries, requests for clarification or comments from registered Tenderers. All inquiries or comments to the City must be in written form only. All inquiries, requests for clarification and comments must be e-mailed to brian.brennan@vancouver.ca prior to Wednesday, April 13, 2022, and must in each case be addressed to the attention of the Contact Person. In

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response to inquiries, requests for clarification or comments, the City, in its sole discretion, may make amendments to the ITT or may issue questions and answers to all Tenderers who have submitted a Response Notification Form and post them on the City’s website.

**All other conditions and specifications remain unchanged.**

**This amendment should be acknowledged in your Tender form.**

If you have already submitted your Tender, this amendment should be submitted via email to [bids@vancouver.ca](mailto:bids@vancouver.ca), prior to the Closing Time: 3:00:00 pm, Local Vancouver, BC Time, Wednesday, April 20, 2022 in an email clearly marked “AMENDMENT No. 1 to ITT No. PS20220171 CONSTRUCTION SERVICES FOR 2022 LFG & LEACHATE SYSTEM UPGRADES - VANCOUVER LANDFILL”.

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NAME OF VENDOR

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SIGNATURE OF AUTHORIZED SIGNATORY

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DATE