

**INVITATION TO TENDER "ITT" NO. PS20172554  
PHASE 3 NE CLOSURE AND PHASE 4 LFG SYSTEM EXPANSION - VANCOUVER  
LANDFILL**

**QUESTIONS AND ANSWERS NO. 4**

ISSUED ON APRIL 13, 2018

<b>Q1</b>	Regarding pay item 6.102 Procure Leachate Pump (Spec Section 43 21 37 Part 2.02H); would the CoV accept the equivalent pump, as attached.
<b>A1</b>	The City will consider alternative pumps and accessories provided the Contractor demonstrates the proposed pump and accessories are equivalent to the specified pump and accessories. The referenced alternative pump, manufactured of 304 stainless steel, is not considered equivalent.
<b>Q2</b>	Drawing 625 and specs Section 33 51 20 Part 2.02.E indicate QED's monitoring device which is no longer made of material compatible with the PVC union attachment for the meter run. Please clarify the desired connection. Can the PVC meter run be eliminated?
<b>A2</b>	The contractor shall join the PVC fitting to the monitoring device using a bonding agent and procedure recommended by the monitoring device manufacturer.
<b>Q3</b>	Can you provide further clarification on tie ins shown on drawings 655 and 656. There are numerous pipes and re-installations shown, and it is unclear what components of these drawings will get paid under item 6.51 - "connect to existing gas pipe, 150mm" and what items will get paid under other pay items? Could the components that need to be priced under the tie-in pay item be highlighted for clarity? Also, could the diameters of the new and existing pipes be clarified?
<b>A3</b>	For Drawings 655 and 656, Pay Item 6.51 applies only to the work associated with connecting the new pipe to the existing pipe at Lat B, C, D, E, F and G. It includes connecting the new 150 mm gas pipe, 50 mm air supply pipe, and 50 mm leachate discharge pipe to existing pipe.  The remainder of the pipe work, including trench excavation and backfill and general fill, is covered in pay "Item 6.106 - Pipe and Well Head Modifications for Connections to Existing Gas Lateral Pipes". It also includes extension of existing vertical gas wells as necessary. In addition, it includes procurement and placement of general fill to create the final subgrade surface east of the final cover system boundary, and procurement and placement of topsoil for all

**INVITATION TO TENDER "ITT" NO. PS20172554  
PHASE 3 NE CLOSURE AND PHASE 4 LFG SYSTEM EXPANSION - VANCOUVER  
LANDFILL**

**QUESTIONS AND ANSWERS NO. 4**

	<p>fill material to create the final surface on the existing final cover system west of the cover system boundary.</p> <p>On Drawing 655 and 656, the pipes and well head control assemblies shown in bold, on the "proposed" (lower half of the drawings) show the new locations. The existing pipe and well head control assemblies are still shown as "faded" or "screened" line work on the "proposed" lower half of the drawing.</p> <p>Also note:</p> <p>On Drawing 607, at the bottom center of the drawing, the callout "Connect to Existing HDPE Pipe (typ), See Drawing 654 &amp; 655" is changed to read "Connect to Existing HDPE Pipe (typ), See Drawing 655 &amp; 656".</p> <p>Also, on Drawing 607, at the bottom center of the drawing, the callout "Embankment Regrade to 10 % Slope with 15 M Wide Bench" is changed to read "Embankment/Fill Material - Regrade to 10 % Slope with 15 M Wide Bench (Typ)".</p> <p>On Drawing 608, at the bottom left of the drawing, the callout "Connect to Existing HDPE Pipe (typ), See Drawing 655" is changed to read "Connect to Existing HDPE Pipe (typ), See Drawing 656".</p> <p>Also, on Drawing 608, at the bottom right of the drawing, the callout "Embankment Regrade to 10 % Slope with 15 M Wide Bench" is changed to read "Embankment/Fill Material - Regrade to 10 % Slope with 15 M Wide Bench (Typ)".</p>
Q4	Measurement & Payment for Decommissioning items 6.01 to 6.11 noted a. Measurement: Per Count of Installation, please clarify installation of what.
A4	The word "installation" in these pay items is generic and refers to the work. For pay Items 6.01 to 6.11 change subsentence "a. Measurement: Per count of installation." to "a. Measurement: Per count of decommissioning."
Q5	Regarding Detail 2 on drawing 649 Decommissioning 400mm isolation valve, please clarify if decommissioning will be on a dead gas line otherwise clarify if cutting the pipe and fusing caps required for this work (cut & cap has not been specified in this detail).
A5	The cutting and capping is shown on Detail 4 of Drawing 649. This may or may not occur at the same locations as decommissioning of isolation valves. Drawing 603 shows the locations of valves to be decommissioned and the location of where cutting and capping is required.
Q6	Plan 300, 450mm culvert and reused headwall, do we need to allow flange connections between culvert and headwalls at this locations?
A6	There is no need for additional flanges for the relocated headwalls.

**INVITATION TO TENDER "ITT" NO. PS20172554  
PHASE 3 NE CLOSURE AND PHASE 4 LFG SYSTEM EXPANSION - VANCOUVER  
LANDFILL**

**QUESTIONS AND ANSWERS NO. 4**

Q7	Plan 300, 600mm culvert (crossing North Perimeter Road and also Toe Road) and headwalls, what is North end of the culvert?
A7	Refer to Drawing 17042-202 for enlarged detail. Please note the casings, blind flange and the headwall on the north of the wye.
Q8	Can you please confirm that for the road crossing profile drawings (657-659) whether the dashed orange line labelled "Phase 3 Northeast Subgrade" really means subgrade or whether it should refer to Finished Grade? It appears that that line may refer to FG and I need to confirm this as it relates to the excavation for each crossing.
A8	The orange dashed line represents the design subgrade as noted in the legend on Drawings 657 to 659.
Q9	<p>We cannot manufacture a 150mm well head adapter with a 75mm wellhead port and the additional ports required. We can supply a 150mm well head adapter with single 75mm wellhead port. We cannot manufacture a 100mm riser pipe adapter with a 75mm wellhead port. There is not enough real estate for it work.</p> <p>Can you please review whether these items can be adjusted and identify what alternative can be provided?</p>
A9	<p>The new vertical gas wells have 200 mm well pipe.</p> <p>The pay "Item 6.33 - Procure Well Head Adapter, 150 x 50 mm, 5 Port" is changed to read "Item 6.33 - Procure Well Head Adapter, 200 x 50 mm, 5 Port".</p> <p>The pay "Item 6.34 - Procure Well Head Adapter, 150 x 50 mm, 2 Port" is changed to read "Item 6.34 - Procure Well Head Adapter, 200 x 50 mm, 2 Port".</p> <p>The pay "Item 6.35 - Procure Well Head Adapter, 150 x 75 mm, 5 Port" is changed to read "Item 6.35 - Procure Well Head Adapter, 200 x 75 mm, 5 Port".</p> <p>The pay "Item 6.38 - Procure Riser Pipe Adapter, 100 x 75 mm Dia." is changed to read "Item 6.38 - Procure Riser Pipe Adapter, 150 x 75 mm Dia.".</p> <p>The intent is to have a standard manufactured product. If this product is not part of a manufacturer's standard products, then adjustments will be made to the diameter of the riser pipe or alternate riser pipe adapters.</p>
Q10	<p>Regarding <u><i>GC.77 QUANTITY VARIATION</i></u> and <u><i>Spec Section 01 20 00, Part 1.07 CHANGE IN QUANTITIES.A</i></u>; Given the compressed schedule, the contractor will not be able to purchase materials in increments, nor can the contractor's suppliers guarantee unit pricing for reduced quantity orders.</p> <p>a. If no unit rate pricing changes can be made, is the owner willing to guarantee payment for the full amount of materials required for</p>

**INVITATION TO TENDER "ITT" NO. PS20172554  
PHASE 3 NE CLOSURE AND PHASE 4 LFG SYSTEM EXPANSION - VANCOUVER  
LANDFILL**

**QUESTIONS AND ANSWERS NO. 4**

	<p>construction of items <u>as listed in Schedule of Quantities</u>, upon approval of material submittals?</p> <p>b. Is the contractor expected to allow contingency for material cost increases as a result of decreased order quantities, because of design changes made by the owner/engineer?</p>
A10	<p>No, the City will not guarantee payment for the total quantity of materials and equipment as listed in Schedule A - Schedule of Quantities and Prices, upon approval of the accompanying material submittal. Payment is based on the actual units of work performed or installed, as per the Contract Documents.</p> <p>The Contractor shall take into consideration, at their discretion, matters such as risk, overhead, and profit when submitting unit pricing for this Contract.</p>
Q11	<p>There is no clause for unforeseeable market conditions (MMCD General Conditions 13.4.1.). Past projects for the Vancouver Landfill have seen large increases in material prices as a result of natural disasters impacting HDPE resin manufacturing for example. Can you add MMCD General Conditions 13.4.1 clause or similar?</p>
A11	<p>Unforeseeable market conditions are an acknowledged risk by the City. Changes to the General Conditions at this stage in the tender process cannot be made. Should the cost of materials required for the Work increase as a direct result of a natural disaster affecting the source of supply of such materials, this will be dealt with on a case by case basis between the City and the Contractor.</p>
Q12	<p>There is no clause for changes in taxes, duties, etc. (MMCD General Conditions 19.1.2). Past projects have seen changes in carbon/motor fuel tax and applicable PST implications with significant impacts to project costs, often as a result of changes in government during multi-year projects. Can you add MMCD General Conditions 19.1.2 clause or similar?</p>
A12	<p>The Contractor shall notify the City in writing and shall state in its notification clearly and fully the circumstances behind the increase or decrease in costs to the Contract due to unforeseeable changes in taxes after the tender closing date. Any potential adjustment to the Contract Price will be dealt with on a case-by-case basis.</p>