

INVITATION TO TENDER “ITT” No. PS20180200
VPD FORENSIC PROCESSING FACILITY

QUESTIONS AND ANSWERS No. 10

ISSUED ON JULY 5, 2018

Q10.1	<p>Q&A #9 A9.8b I believe I wasn't quite clear on this query. Ignoring the pipe hangers (I get that it's required) dwg M-4.2 shows the pipe covered by compacted sand, filter cloth and styrofoam chips for the sawcut interior area. In between each sawcut area (underneath the existing suspended slab) I was inquiring what would surround the pipe. I get that the slab is suspended in these areas but presumably we'd still infill with something like non-compacted sand or gravel. Just wondering what the structural engineer wants in that area where if there's no pipe joints there wouldn't be any anchors (which we couldn't install anyway unless we did some selective suspended slab demo to get to the pipe joint)</p>
A10.1	<p>Structurally we do not require the pipes to be covered - the slab above is designed as a suspended slab and does not require backfill under for support. Infill with pea gravel or similar that is inert and does not require compaction would be appropriate.</p>
Q10.2	<p>Q&A #9 A9.8c typically a structural engineer will have a maximum distance in between pipe hangers to prevent pipe sag/deflection. The calcs shown on M-4.2 relates to required depth/infill and hanger sizing but not the max distance in between hangers. Depending on that requirement it could dictate the locations/sizes of sawcutting. Presumably he's already done those calculations and the sawcut locations are fine as long as pipe has no joints in between sawcuts but just wanted to confirm</p>
A10.2	<p>The structural engineer has not designed the pipes or verified their ability to span between supports. Locations for the cut-outs in the slab are based on the ability of the slab to continue to work as a suspended slab with the cut-outs performed. Additional holes in the slab reduce the ability of the slab to work as work as a suspended slab to an unacceptable level.</p>
Q10.3	<p>Q&A #9 A9.6 states there is no system layout drawing for vent piping but Q&A #3 A3.2 provides a plan drawing stating location is shown. Please clarify</p>
A10.3	<p>The drawing provided in Q&A #3 is for reference only.</p>
Q10.4	<p>With query #3 above part of where I was going was if in plan view the new pipe c/w hanger lands in the same area as the vapour collection pipe how do we handle this condition? Do the vapour pipes have to remain in a straight line to perform</p>

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	their function? Based on M-4.2 dwg the vapour collection pipe should be suspended just below the slab but the underlying new pipe anchor would potentially interfere with it. With so many potential unknowns one was to deal with this would be to get the tenderers to carry an allowance so that everyone is bidding apples to apples
A10.4	No cash allowance for unknowns related to the vapour pipes is required.
Q10.5	Q&A #8 A8.2 not having the breakdown is a challenge where numerous required trades/suppliers will have no idea what to carry in their bid. For example on A1.01 mechanical subtrades would carry S&I for tag #1, #3, #8 etc. Washroom accessories by say Shanahans, stainless countertops misc metal trade etc. Please advise how you intend for our trades/suppliers to breakout pricing to suit CoV bid requirements and to help ensure everyone is bidding ‘apples to apples’
A10.5	Items to be included in the Cash Allowance are listed on the Equipment Schedule on A 1.01. Details of each item and their suppliers will be discussed with the awarded Tenderer. Delete paper towel dispensers, paper towel and soap dispensers.
Q10.6	Addendum #3 Item #7 notes 9 new bollards plus 2 existing bollards to remain. M-2.2 and A2.01 shows 10 bollards. Please clarify
A10.6	Refer to Addendum #4, re-issued drawing A 2.01 showing 9 new bollards.
Q10.7	Please confirm the required type/gauge of stainless steel for countertops is as per tender spec 06400 (type 304 1.6mm). Fabricators have requested clarifications for how to fabricate: <ul style="list-style-type: none"> a. What type of countertop wood substrate is required b. Integral sinks or drop-in c. Marine edge or flat top d. Welded or mechanical seams e. Backsplash - integral or loose
A10.7	Stainless Steel tops are 1.6mm thick (16 gauge) type 304 stainless steel in #4 finish over 19mm marine grade plywood. Refer to section 06 40 00 of the specification for information. <ul style="list-style-type: none"> a. Refer to A 6.03 and 6.04 Millwork details b. Refer to Equipment list on A 1.01 c. Postformed edges as per 06 40 00 of the specification d. Welded seams e. Integral backsplash, with post formed edges