

**INVITATION TO TENDER "ITT" NO. PS20180897
CONSTRUCTION SERVICES FOR PUMP STATION REPLACEMENT AND WASHROOM
ADDITION**

QUESTIONS AND ANSWERS NO. 4

ISSUED ON FEBRUARY 7, 2019

Q1	Can the tender closing date be extended by a week (Feb 14th)?
A1	Please see Amendment 3.
Q2	The electrical drawings don't show power for the automatic door operators or the electric hand dryers at the Public Washrooms, please clarify.
A2	Add 2 circuits to Panel A, 1 per washroom, to power the electric hand-dryers. Door operators may be powered from existing lighting circuit.
Q3	Under specifications section 16231, there's no specified Generator manufacturer. Does the client has a preference? Also the specification does not mention about the diesel fuel tank detail and the standby capacity.
A3	No preference for manufacturer. The generator shall be provided with an above ground, sub base diesel fuel tank with 24 hours standby capacity. Please note also that the genset must be equipped with a connection to allow hookup of a mobile load bank for the purpose of exercising the genset.
Q4	There's no specification for Intrusion and Fire alarm. Please provide specification and preferred manufacturer.
A4	Provide DSC PK5500 Security Alarm with: <ul style="list-style-type: none"> • DSC PC1864 control panel • Combination fixed temperature/rate-of-rise heat detectors • Ionization type smoke detectors • Concealed magnetic door switches • Include necessary transformers and backup batteries. <p>Note that fire/smoke alarms will be required in the electrical room, odour control room, public washrooms and maintenance room (5 in total).</p> <p>Magnetic door switches will be required for the electrical room door, the odour control room door and each of the wet well hatches. Specifications for the magnetic intrusion switches to be provided.</p>

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Q5	For scope clarity, is it possible to get an equipment list with details on who will supply which equipment.
A5	The equipment list and instrument list has been added to the FTP as information only, contractor to price based on the information provided on the drawings and specs and not this equipment list. Please note that these lists are derived from working documents and were not initially developed for submittal. Therefore, in the event that there are discrepancies between these lists and the tender drawings and specifications, the tender drawings and specifications will govern. Also, this list is not exhaustive, the Contractor is to ensure his/her bid includes all equipment required by the tender documents. In general, it is up to the Contractor to decide which trade will supply equipment but we have added some suggested suppliers in the hope this helps clarify the scope.
Q6	Under Division 16, Section 16900, clause 2.22.1, it states to provide "Xylem (Flygt) MAS711" Relays. Can you please confirm if those relays fall into the electrical scope, or the pump supplier scope?
A6	The MAS711 relays are generally part of the pump supplier scope.
Q7	Would you accept a Claims-Made Contractor's Pollution Liability policy?
A7	The City can accept claims-made contractor's pollution liability insurance so long as the contractor maintains the policy for a further two (2) years following completion of the Work and acceptance by the City.
Q8	Please see attached the official request for pumps and mixers.
A8	KSB is an approved alternate pump supplier. The Contractor is responsible for ensuring that the proposed pumps meet the Contract specifications and conform to the dimensions required by the Contract drawings. Any piping or structure modifications required by the alternate pumps is at the Contractor's expense, including preparation of engineering design drawings and record drawings. Please note that a Flygt MAS711 monitoring system has been specified along with the Flygt pumps to provide pump status notifications and alarms. An equivalent pump monitoring system will be required for alternate pumps.
Q9	Looking at the possible access to the jobsite, the confined working area between the park and the arterial roads and overall public safety; we suggest that Glen Drive between east softball diamond , and E 7th. Ave. be closed to enable the safe access to and from the site as wells as staging and storage of materials. Please confirm if Glen Drive can be closed during the construction of the pump station.

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A9	Glen Drive cannot be closed during construction. It has to remain open. Details on this question including laydown area and parking were provided on previous questions.
Q10	Based on the hazmat report the suspected asbestos items (generator knife switch and arc pads, mechanical system gaskets) were not tested since they were not accessible. Will asbestos testing and abatement for these suspected items be handled by a Cash Allowance?
A10	<p>Further testing will be conducted by the COV retained consultant once all the equipment has been disconnected. At this point the suspect materials should be assumed to contain asbestos.</p> <p>The Abatement Contractor will be retained by the Contractor. The abatement of hazardous building materials should be included in the Contractors budget.</p>
Q11	Will the leachability testing information of the lead paint be provided before tender close?
A11	No.
Q12	Drawing C-302 - Detail 1 shows the 500mm Drop Pipe in the Wet Well as Stainless Steel but Dwg. M-102 & M-301 doesn't indicate Stainless Steel. Is the Drop Pipe Stainless Steel?
A12	Yes.
Q13	Drawing C-301 - Detail 3 notes the piping between MH-S1 and the Wet Well as 525mm DR35 PVC but Drawing C-302 - Detail 1 notes this as 500mm S40 Steel Pipe Coated and Lined. Please advise what type of pipe is required?
A13	Steel pipe as per Drawing C302 - Detail 1 and note on Drawing C-301 Section 3
Q14	Can you please provide a specification for the Gate Valve noted on Dwg. M-102, Item# 25?
A14	<p>Ductile Iron AWWA Gate Valves (resilient seat):</p> <p>handwheel actuated, bronze non-rising stem, to AWWA C509.</p> <p>Working pressure of not less than 1,379 kPa (200 psi) for diameters from 50 mm to 300 mm.</p> <p>Ductile iron wedge with bonded rubber coating.</p> <p>O-Ring seals.</p> <p>Resilient Seat.</p> <p>fusion bonded epoxy or approved equal coating.</p> <p>Provide Clow or Mueller Resilient Wedge Valve or approved equal.</p>

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Q15	Can you please provide a specification for the Janitor's Sink shown on Dwg. M-104 - Upper Floor Plan, located in the Mechanical Room?
A15	See A22 on QA#3
Q16	Can you please advise what type of connection should be used to connect the 300mm S10 316SS Wet Well Exhaust Piping to the 24ga S.S. Duct as shown on Dwg. M-305, Section# 4?
A16	Please replace the 300 mm S10 316SS Wet well exhaust piping with 300 mm 316 Stainless steel 24 ga duct piping. Note that all duct piping within the pump room to have welded joints. One additional pipe hanger for the 300 mm duct pipe will be required due to this change. Detail to follow.
Q17	Can you please provide a drawing or details for the Odour Control Unit Venting through the roof? Details are only provided to the ceiling penetration as per Dwg. M-305, Section# 4?
A17	See A23 on QA#3.
Q18	Drawing M-305 - Section 4 notes 300mm Stainless Steel 24ga Duct Pipe but Drawing M-505 - Detail F notes 300mm Sch.10 Stainless Steel. Can you please confirm which is correct?
A18	Please provide 300 mm stainless steel 24 ga duct pipe. Note that all duct piping outside of the odour control room to have welded joints.
Q19	Drawing A5.2 - Section 3 notes an American Standard 9141.011 Wall Hung Lav but Spec. Section 15410, Item# 2.3.3 notes a Kindred OV1619/6 Drop-in Lav. Please confirm which is correct? Will a Lav Carrier be required if the Lavatory Sinks are wall hung?
A19	Please follow drawing A5.2. No lav carrier required as lav is hung from solid CLT wall panel.
Q20	Can you please provide a specification for the following plumbing products listed below, as shown on Drawing M-502? <div style="margin-left: 40px;"> a). Reduced Pressure Zone Assemblies. b). Pressure Reducing Valves. c). Double Check Valve Assemblies. d). 50mm Water Meter. e). Air Release Valve Assembly. </div>
A20	For a,b,c,e please see QA#3 A20. For d) please note:

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	<p>The City of Vancouver Water Operations branch supplies and installs the water meter as part of the Water Connection permit process.</p> <p>The water meter station within the building must be constructed adhering to the Standards and Guidelines for Installation of Meters on Private Property attached. The actual water meter installation shall occur after the project's completion therefore a temporary removable section of piping shall be installed by the contractor in the watermeter's place as part of the contract.</p>
Q21	Can you please provide a specification for the 19mm Hydrant shown on Drawing M-502 - Detail E?
A21	<p>This is an incorrect callout. It should be a 19 mm hose bib.</p> <p>Provide a 19 mm MPT x MHT brass hose bib with cast-iron quarter-turn handwheel.</p>
Q22	Is the 19mm Hydrant shown on Drawing M-502 - Detail E, the same as the Washdown Hose Bib as noted on Drawing M-105? If not, can you please provide as specification and location for this product?
A22	The 19 mm hydrant shown on M-502 is the same as the washdown bib noted on drawing M-105.
Q23	Is the Exterior Freeze Protection Hose Connection as noted on Drawing M-105 the same as the 50mm Self Draining Standpipe shown on Drawing C-501 - Detail F?
A23	Yes.
Q24	A file was uploaded to your document website named "42100_Surv-ChinaCrkPark" but I'm unable to download as it keeps giving me an error message. Can you please upload this file in PDF format or email a copy of this file in PDF Format?
A24	Pdf of the survey file attached - See A1 Survey Plan
Q25	<p>RE: Section 16900, clause 2.25.4.1</p> <p>Precision Digital has advised that PD-655N has been discontinued. They have offered the following part in its stead: PD2-6000-6H0</p> <p>The data sheet is available here: https://www.prediq.com/sites/default/files/documents/LDS2-6000_D.pdf</p> <p>Could you please advise if Precision Digital's proposed replacement PD2-6000-6H0</p>

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	is sufficient for this application?
A25	Precision Digital's proposed replacement is acceptable.
Q26	Can you confirm how the interior walls are being constructed? How are the walls built separating the Service Room, Washrooms and OCU Room? How about the washroom on the Pump Room Floor? I could not find any information on the Architectural drawings.
A26	Interior walls are CLT. Please see the structural drawings.
Q27	May I please request approval for equal for the following: 1. Westform HF-12 panels in lieu of Lam Metal's Spectrum linear panels and 2. BA Thermal clips in lieu of Cascadian Thermal clips and 3. Rockwool Cavity Rock semi-rigid insulation
A27	1. Not Approved (constitutes design change) 2. Not Approved 3. Approved
Q28	Can you provide a value for the interpretative wall panel: for insurance purposes?
A28	ROM: \$80,000
Q29	In regards to item 5.3 (b) (iii) under Part D - Form of Agreement is it possible to get the five percent holdback reduced by 60? Typically we see this value in the 2% range.
A29	The City will not be changing its standard form of agreement for this ITT.
Q30	Under specification 16231 there is no Generator manufacturer. Does the client have a preference? Can you also provide more detail in the specification about the diesel fuel tank and the standby capacity?
A30	See A3
Q31	Can you provide a specification for the Intrusion and Fire alarm with a preferred manufacturer?
A31	See A4
Q32	In regards to the staff washroom, do you want the same furnishings that are required in the two public washrooms, minus the baby change table?

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A32	No. The furnishings for the staff washroom are detailed on Drawing M-104
Q33	Under which Tender Item would you like to see the Tiling for the two public washrooms?
A33	Please price Tiling under 9.3 Architectural Cladding.
Q34	ASCO has received a request to provide a proposal to supply the 400Amp/600Volt automatic transfer switch for this project for the city of Vancouver. Part 2.1.8 of Section 16301 lists a specific manufacturer or approved equivalent & I would like to request that the ASCO 7000 Series automatic transfer switch as per attached be approved. ASCO is the leading manufacturer of automatic transfer switches and the ASCO 7000 Series has been the standard on previous pump stations for the city of Vancouver. If you have any questions or concerns or would like to meet to discuss further please let me know.
A34	The ASCO 7000 Series ATS is an approved alternate ATS. The Contractor is still responsible for ensuring that the transfer switch provided meets all the requirements of the specification.