



QUESTIONS AND ANSWERS No. 04

West Sitcum Stormwater Treatment

Contract No. **070664 070916**

Project No. 201024.01

CONTACT: Juli Tuson, Contracts & Procurement Analyst

procurement@portoftacoma.com

DATE OF ISSUE QUESTIONS AND ANSWERS: Friday, May 18, 2018					
Question #	BIDDER QUESTIONS	PORT RESPONSES	Question to Port Date	Response Issued - Date	Attached Document
1	I wanted to verify that project management or construction management will not be required on this bid.	Please bid the documents as you see them.	4/30/2018	5/8/2018	
2	Are supplier drawings available for the media filtration units and hydrodynamic separators?	Supplier drawings will be uploaded to the Port of Tacoma procurement webpage immediately after they become available.	5/1/2018	5/8/2018	Reference 2, 3, 4
3	Please provide the geotech report.	Geotechnical report is attached as Reference 1.	5/1/2018	5/8/2018	Reference 1 - Geotechnical Report
4	Please provide the slab thickness for slabs on S06.	Please see Addendum 02, West Sitcum Stormwater Treatment Drawings S05 & S06.	5/1/2018	5/8/2018	
5	The specifications seem to be missing section 22 13 16 – pipe and fittings & the associated pipe schedule.	Please see Addendum 02, Section 22 13 16.	5/2/2018	5/8/2018	
6	I am requesting clarification of the May 9th pre-bid conference for the above referenced project. Is this a mandatory pre-bid/site visit?	The pre-bid/site visit is optional.	5/2/2018	5/8/2018	
7	Thank you for the notification of the Addendum & Advertisement for Bid. While looking it over the Advertisement for Bid is stating the Bids are due at 3:45 pm. Is that correct as there is no mention of a time change in the Addendum Narrative & also your website still states 2:00 pm. Please can you clarify and let me know?	Bids are due May 21, 2018 @ 2:00PM. Please see Addendum 02.	5/7/2018	5/8/2018	
8	Why don't you have dimensions on the structural drawings ?	Equipment dimensions are shown on the mechanical drawings, civil drawings, or equipment submittals. Dimensions of the structural elements are referenced either to the face of the equipment or shown as overall dimensions where not dependent on the equipment outlines. If the Contractor believes additional information is needed, please provide a specific request.	5/7/2018	5/8/2018	



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9	Where can we find the unit weights & measures, submittal drawings, specs, installation details, startup information, etc. for all of this equipment and a specific list of included components?	Available information has been posted. Additional information/documentation will be provided for reference as it becomes available following the project bid period.	5/8/2018	5/16/2018	
10	The specs indicate that the pump stations are provided with the control panel. Would it be possible to get a copy of the design submittal?	No. The subject supplier drawings will be provided for reference when they become available following the project bid period.	5/8/2018	5/15/2018	
11	Is the I&C integral to the Pump Control Panel or are these being provided by others?	The control panels and accessories are provided as detailed within the specifications. The Contractor is responsible for assembling, providing cable and conduit, and providing any necessary accessories and appurtenances needed to provide a complete and provide a fully functional system.	5/8/2018	5/15/2018	
12	Is telemetry included?	Control Panels provide for local operation and interaction only. There is no communication between sites or between the control panels and offsite equipment.	5/8/2018	5/15/2018	
13	Your spec (016400) indicate that the contractor will be responsible to unload and protect the equipment being provided by the owner. Is the owner scheduling the deliveries or will this be the contractors responsibilities?	Delivery schedule will be coordinated with the Port Engineer.	5/8/2018	5/15/2018	
14	How much do the new media filtration units, valve vault, and wet well components weigh?	See answer to Question 28 for component weights.	5/8/2018	5/16/2018	
15	Are supplier drawings available for the valve vault and wet well precast structures?	No. Mechanical drawings within the Contract documents provide information on the design intent. The subject supplier drawings will be provided for reference when they become available following the project bid period.	5/8/2018	5/15/2018	
16	Section 22 11 00-2.02.A references Section 22 13 16 – Pipe and Fittings. This Section is not in the Contract Documents. Please provide. Also, please provide a pipe schedule.	Please see Addendum 02, Sections 22 13 16 and 22 13 16.01.	5/8/2018	5/15/2018	
17	Sheet C03 shows buried power going under an existing concrete pad. How thick is this existing concrete pad? Does this pad get replaced after trenching? If so, what is the replacement detail? Or, is it to be asphalt?	The concrete pad thickness is unknown. Concrete patch may be replaced with asphalt.	5/8/2018	5/15/2018	

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18	What are the storm flow rates to be bypassed at each basin? Is historical flow rate data available?	The following flows are the maximum anticipated 100 year flows. This is provided for information only and does not guarantee that experienced flows will not exceed these quantities: -Basin A: 29.6 Cubic Feet Per Second -Basin B: 29.9 Cubic Feet Per Second -Basin C: 53.8 Cubic Feet Per Second	5/8/2018	5/15/2018	
19	Note 12 on M03 calls for all wall penetrations to use modular mechanical seals per 5/M10. However, the third bullet note on M03 under the treatment unit section calls for water tight non shrink grout seal per manufacturer's standard connection detail. Which one applies?	The water tight non-shrink grout shall be used in conjunction with the modular mechanical seal as detailed on Sheet M10, Detail 5. The grout shall be used to ensure that the void space between the sleeve and the pipe is filled on the submerged / process side of the penetration.	5/8/2018	5/15/2018	
20	Note 4 on M04 calls for all pipe penetrations to be per detail 5/M10. Where does detail 4/M10 apply?	Sheet M10, Detail 4 is not to be used for any pipe penetration on this project.	5/8/2018	5/15/2018	
21	Please clarify how much repair work will be required per Section 03 01 40.71 so that all bidders are on the same page. There is no way to quantify this work so please provide the amount of repair work needed in each oil water separator.	Contractors shall base their bids on related specification(s) and observations made during the site visit portion of the pre-bid meeting.	5/8/2018	5/15/2018	
22	Will the media be delivered between the dates listed in Section 01 64 00-1.03 or can it be scheduled to arrive when the Contractor needs it? Also, how will this be delivered, i.e. solo trucks, super sacks, etc.	Delivery schedule will be coordinated with the Port Engineer.	5/8/2018	5/15/2018	
23	Can the Owner furnished materials be delivered as needed by the Contractor and after the 6/28/18 date shown in Section 01 64 00?	Delivery schedule will be coordinated with the Port Engineer.	5/8/2018	5/15/2018	
24	Can the bid be postponed?	The Port does not intend to postpone bid opening.	5/10/2018	5/15/2018	
25	The pre-bid meeting agenda lists substantial completion as 10/15/18. Section 00 52 00-3 states 9/28/18. Please advise which is correct.	Please see Addendum 3, Section 00 52 00.	5/10/2018	5/15/2018	
26	Addendum #2 added two line items to the bid form. Line item #07, Storm Line Flushing, does not provide any schedule of pipes that require flushing. Would you please identify, by basin, the pipe runs (lengths) and pipe sizes that are to be paid under this item.	Approximate pipe sizes and total lengths (per basin) are attached as Reference 5.	5/10/2018	5/15/2018	Reference 5



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27	Note 3 on Co1, Co2, and Co3 calls for cleaning of existing storm drain system structures upstream of treatment systems. Please clarify the location and size of these structures along with all connecting pipe sizes and lengths.	Pertinent pipe sizes and lengths for each basin are attached as Reference 6. All locations of pipe within the defined drainage basins shown on Sheet Go3.		5/11/2018	5/16/2018

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28	<p>The MWS vault, Hydrodynamic Separator submittals were provided with addendum #2. Thank you. After looking through these, I am unable to find any specific data on unit weights. Specification 01 64 00 lists owner furnished materials as:</p> <p>6EA Stormwater Pump Stations 3EA Hydrodynamic Separators 26EA Treatment Vaults (8x24 and 8x8) Please provide unit weights and heaviest pick info so we can size the crane and rigging accordingly.</p>	<p>Approximate pick weight values are as follows:</p> <p><u>Wet Well</u> Top Slab: 23,500 lbs. Well Risers: 28,500 lbs. (Heaviest Section) Base Slab: 26,500 lbs.</p> <p><u>Valve Vault</u> 687 Vault Base: 17,000 lbs. (est. with valving) 816 Vault Base: 41,000 lbs. (est. with valving) Divider Wall: 12,000 lbs. (est. with flap gate)</p> <p><u>Modular Wetlands</u> 8x24 Units: 76,000 lbs (bottom) and 12,600 lbs (lid) 8x20 Units: 57,600 lbs (bottom) and 13,800 lbs (lid) 8x8 Units: 28,800 lbs (bottom) and 4,300 lbs (lid)</p> <p><u>Hydrodynamic Separators</u></p> <p><u>Basin A:</u> - 72" MH Top: 4,410 lbs - 72" x 3'-0" MH Riser: 5,175 lbs - 72" x 3'-9 5/8" MH Riser: 7,000 lbs - 72" x 4'-0" MH Base: 11,420 lbs - TOTAL: 28,005 lbs</p> <p><u>Basin B:</u> - 72" MH Top: 4,410 lbs - 72" x 2'-0" MH Riser: 3,465 lbs - 72" x 3'-0" MH Riser: 5,175 lbs - 72" x 4'-7 7/16" MH Riser: 7,750 lbs - 72" x 3'-0" MH Base: 9,610 lbs - TOTAL: 30,410 lbs</p> <p><u>Basin C:</u> - 96" MH Top: 8,870 lbs - 96" x 4'-0" MH Riser: 12,340 lbs - 96" x 6'-4" MH Riser: 18,290 lbs - 96" x 2'-0" MH Base: 15,620 lbs</p>	5/14/2018	5/16/2018

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29	Your spec 01 64 00 indicates that all owner furnished materials are to be staged in the central staging area. the size and weights of the treatment vaults would require and excessive amount of crane time to unload, stage, reload, move & unload at each basin and then set the vaults. would it be possible to schedule the deliveries to correspond to the readiness of each basin to minimize crane times and spread deliveries out over a longer period of time?	Delivery schedule will be coordinated with the Port Engineer.	5/14/2018	5/16/2018	
30	How many of the 24' and 20' vaults can be delivered per day?	Preliminary information indicates that up to four vaults can be delivered per day. Further investigation may demonstrate that a higher volume of deliveries per day is possible.	5/14/2018	5/16/2018	
31	At the site visit we did not get a chance to see the breaker panel for basin A. could you provide us with a panel type and breaker series or model number?	Walkdown photos of Basin A electrical panel/breakers are attached as Reference 7.	5/14/2018	5/16/2018	Reference 7
32	Please confirm that retail sales tax will be added to the total contract and we don't include use tax per Rule 171	Retail sales tax will be added to the total contract.	5/14/2018	5/16/2018	
33	Does the Contractor need to include any permit costs in its bid?	See Section 01 41 00, Regulatory Requirements.	5/14/2018	5/16/2018	
34	Will the Port of Tacoma take the lead in locating utilities on its property?	Contractor is responsible for locating all utilities prior to earthwork.	5/14/2018	5/16/2018	
35	There is no bid item for potholing, suggest adding a time and materials item for potholing as required.	See Section 01 20 00, Price and Payment Procedures. All work required to complete the Basin A, Basin B, and Basin C construction scope should be included in their respective bid items.	5/14/2018	5/16/2018	
36	If import backfill is required, how will it be paid for, there is no unit price bid item.	See Section 01 20 00, Price and Payment Procedures. All work required to complete the Basin A, Basin B, and Basin C construction scope should be included in their respective bid items.	5/14/2018	5/16/2018	
37	Please confirm the Port will test all excavated soils and make a determination of whether they can be re-used, and also provide direction to the Contractor if the spoils are contaminated and need special disposal. How will special hauling and disposal be paid for if spoils are contaminated?	Port will conduct subject testing. Should contaminated waste disposal be required, Section 01 26 00, Change Management Procedures, would be applicable.	5/14/2018	5/16/2018	



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38	Please confirm that bidders can assume that dewatering discharge can be directed to a settlement tank and then directly into the existing storm system. Please confirm the Port will test groundwater removed by dewatering for contamination, and that if treatment is required, this will be paid as a change order.	Treatment is included in construction plans. See Sheet Co4, Note 9.	5/14/2018	5/16/2018	
39	Is there onsite painting to be performed under this contract?	Yes. See Section 09 of specifications.	5/14/2018	5/16/2018	
40	For bidding purposes can we assume that a 5' thick tremie slab is required and that the tremie slab will require reinforcement.	Yes. Per Sheet S09, tremie slab is 5' thick and rebar-reinforced.	5/14/2018	5/16/2018	
41	Section 01 35 43.13 and .19 reference Haz Mat testing and export soils mgmt. I don't see any mechanism for dealing with the increased costs associated with contaminated waste?	See Section 00 72 00. Contaminated waste disposal would be considered an unforeseen condition.	5/14/2018	5/16/2018	
42	Is the Bidder responsible for coating equipment provided by the Owner?	Yes.	5/14/2018	5/16/2018	
43	As a followup to a previous question we asked- Please confirm that bidders can assume that dewatering discharge can be directed to a settlement tank and then directly into the existing storm system. Please confirm the Port will test groundwater removed by dewatering for contamination, and that if treatment is required, this will be paid as a change order.	Bidders may assume sedimentation tanks and cartridge filters, then discharge to the West Sitcum waterway. Port will conduct testing per Section 31 23 19, 3.02C. If contamination is identified, change order will be generated.	5/17/2018	5/18/2018	
44	Is the groundwater contaminated, and did you sample and analyze the groundwater? We cannot know what treatment might be required if we don't know this. Absent a detailed response, we must assume that the groundwater is not contaminated and that only removal of suspended soils will be necessary.	See answer to Question 43.	5/17/2018	5/18/2018	
45	The pipe schedule is very helpful, thank you. However, the bigger question is "how much debris is in [these] pipe? 300CY or 3,000CY??? Cleaning is the easy part. The principle expense of cleaning is disposal of the extracted materials (they all have to go to PRS). Quantities matter.	Requested information is not readily available at this time.	5/17/2018	5/18/2018	



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46	WOULD IT BE POSSIBLE TO PROVIDE AN ESTIMATED MAXIMUM QUANTITY OF SPOILS SO ALL THE CONTRACTORS HAVE THE SAME BASELINE FOR THE PROPOSAL OR A UNIT PRICE FOR SPOILS?	Estimated total of 1,650 cubic yards of excavation, haul, and dispose.	5/17/2018	5/18/2018