GUAM WATERWORKS AUTHORITY

Upgrade of the Northern District Wastewater Treatment Plant
GWA Project No. S17-003-OEA
IFB-02-ENG-2019
Response No. 3 to Step 2 Contractor Inquiries

This Addendum and/or Response to Request for Information (RFI) is issued to modify the previously issued bid documents and/or given for informational purposes and to the extent the responses below modify the bid documents, please treat them as an amendment to the Bid. The following responses are in response to RFIs received.

RFI No.	REFERENCE SECTION	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
4a	Drawing A0.3 – Door Schedule and Types Process 17 – Accordion partition & Finish door hardware set schedule	1. Please provide specification for accordion partition 2. Please provide door hardware set schedule for Process 17 – New Administration Bldg.	1. Specification Section 016550 Operable Accordion Partition will be issued as addendum. 2. Hardware notations will be indicated on addendum to drawing A0.3 Door Schedule and Types.
4b	Drawing A0.4 – Window Schedule and A17.5.1-A17.5.2 Process 17 – W1-W3 and W8	1. Process 17 windows W1-W3 and W8 was called out on schedule to be type E windows material is aluminum but elevation of type E windows were glass block windows. Please clarify. 2. Window schedule and elevation on drawing A0.4 does not match with the required windows on drawing A17.5.1 and A17.5.2 windows W1 and W3 are two panel aluminum windows window elevation not provided. Window W2 and W8 are single panel aluminum windows while W4 are glass block windows. Please clarify and provide additional information.	1. W4 & W5 are glass block windows. Will be issued as addendum. 2. Revised drawing A0.4 for corrected window types will be issued as addendum.
4c	Drawing A19.2.1 to A19.5.2 Process 19 – Renovated Maintenance Bldg Scope of renovation work	Please provide required scope of renovation work to be done for the existing Maintenance Building.	Work at process 19 (Maintenance building) is reflected in Electrical plans.

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4d	Drawing A17.2.1 and A18.2.2 – Furniture layout plan for New Admin Bldg. and Renovated Lab Bldg. respectively. Furniture, Fixture and Equipment (FF&E) specification	Please advise if the FF&E as shown and listed on the plans A17.2.1 and A18.2.2 will be supplied and installed by the contractor, if it is please provide specification.	An updated specification be issued as addendum.
5	Refer to drawings C5.3.1 to 5.3.6	General Notes 2, please confirm all pipes 4" diameter and larger are Asbestos Cement Pipes? Although most pipes are indicated abandon in place but has to be cut and plug to get it offline and this will involve HAZMAT specialty contractor once touched	As stated on general notes lines >= 4 inches are documented as Asbestos cement pipe. Bidder may refer to project as-builts/record drawings for more information.
6a	Alternative Bid Drawings Request for Missing Drawings	1. Alternate Bid B Table of Content lists the following drawings however they were not included in the pdf file: a. Mechanical Process – sheets MP0A.0.5S thru MP15A.0.1 b. Mechanical – sheets M0A.8.10, & M12A.2.1 thru M12A.3.1 c. Plumbing – sheet P0A.0.3 d. Instrumentation & Controls – sheets 10A.0.4 thru 16A.0.2	All sheets are included in RFP package provided.
6b	Alternative Bid Drawings Request for Missing Drawings	2. Alternate Bid C Table of Contents lists the following drawings however they were not included in the pdf file: a. Mechanical Process – sheets MP0A.0.5S thru MP15A.0.1 b. Architectural – sheets A0B.1 thru A0B.4 c. Mechanical – sheets A0B.0.2 thru M12A.3.1 d. Plumbing – sheet P0B.0.2 e. Instrumentation & Controls – sheets 10A.0.4 thru 16A.0.1, & 21B.0.6 thru 21B.0.10	All sheets except for MP1-1C.0.1, MP1-1C.2.1, MP1-1C.2.2 and MP1-1C.3.3 are provided. These four sheets will be issued as addendum. Sheet MP15A.0.1 shall be removed from index Sheet TS-A.1, TS-B.1 and TS-C-1.
7a	Drawing MP10.2.1, P&ID I10.0.1 thru I10.0.4 and Specification 444626.02	The tag numbers for the Gravity Belt Thickener Control and OIT panels are not consistent between Drawing MP10.2.1, P&ID I10.0.1 thru I10.0.4 and Specification 444626.02 (page 1). Which is correct?	Tag numbers shall match the drawings. Specification section 1.2.E will be updated by addendum to show correct tag number.
7b	Drawing MP2.0.1	MP2.0.1 indicate that 02-GSD-001 is motorized, however, on I2.0.1 does not indicate that it is motorized. Which is correct?	02-GSD-001 is not motorized. MP2.0.1 will be corrected by addendum.

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7c	Sections 444213.1 and 444256.09	Under spec section 444213.13 Sludge Mix System and Appurtenances, section 2.4 Mix Pumps (13-PMP-151; 13-PMP-152; 13-PMP-153) says the manufacturer is Vaughn. However, if you go to the reference spec 444256.09 Non-clog Centrifugal pump, the manufacturer is Flygt. Please make correction. In addition, are the tag no correct for these mix pumps? The drawing MP13.9.1 tag the mix pumps to be 13-PCL-151; 13-PCL-152; 13-PCL-153.	Specification reference will be removed and language has been added for mixing pump. Pump tag numbers have changed within the specification to match drawings.
7d	Drawing MP13.9.1, Section 444213.13	Drawing MP13.9.1 tag the sludge holding tanks as 13-TNK-110 (existing) and 13-TNK-120 (new). However, when you go to spec section 444213.13 Sludge Mix System, the tag no. for the sludge holding tanks are 13-TNK-141 and 13-TNK-142. In addition, under spec section 444213.13 Sludge Mix System, the sludge holding tank manufacturer is called out to be Rotamix, but when you go to the reference spec section 434111 Glass-Coated Bolted Steel Tank Specification for Sludge Storage, the manufacturer is Aquastore. Who is the vendor for the glass-coated bolted steel tank and which spec section is correct?	Specification 444213.13 Sludge Mix system is solely for the mixing system. Specification 434111 Glass-Coated Bolted Steel Tanks is solely for the tank. Specification will be updated for tank tag number
7e		Please provide allowance bid items for additional probe (LF) and grout (CY) needed.	The required probing and grouting of probe holes shall be considered incidental to foundation works. Refer to S0.0.2. Cavities and/or silt pocket identified shall be considered a different site condition. Contractor schedule of values shall reflect unit cost of grouting cavities if identified.
7f		Please provide elevation details of the secondary clarifier influent pipe.	See MP4.3.2 for IE of secondary clarifier influent piping
7g	Section 443119	Please confirm that spec section 443119 Biotrickling Filter Odor Control System is intended for the headworks odor control unit, tag no. 02-ODC-510 and the odor control blower, tag no. 02-OCF-510.	That is correct. Specification Section 443119 is intended for the headworks odor control unit and its associated blower.
7h	Specification Section 402700.13	Please provide Specification Section 402700.13 (Pipe Schedule, G-5, Potable Water, Indoor Exposed).	See specification 221116.00 for potable water, indoor exposed.
7i	MP1.2.1 and I1.0.1	The Southern Link Influent Pump Station discharge piping on MP1.2.1 does not agree with the same piping shown on I1.0.1. Which is correct?	MP1.2.1 is correct.

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		a. The Southern Link Influent Pump Station discharge piping on MP1.2.1 is shown as 20" diameter. The same pump discharge piping is shown as 18" diameter on I1.0.1. Which is correct?	MP1.2.1 is correct, discharge piping is 20 inches.
		b. The Southern Link Influent Pump Station discharge piping main on MP1.2.2 is shown as 'existing to remain'. The same pump discharge piping is shown as 24" dia new pipe on I1.0.1. Which is correct?	Discharge force main after existing knife gate valves is existing to remain.
		c. The Southern Link Influent Pump Station discharge piping on MP1.2.2 shows 4 ea 20" dia. knife gate valves that are to be replaced. Drawing I10.1 shows these vales as 18" dia. Which is correct?	MP1.2.2, 20 inches is correct.
		d. Please provide specifications for the knife gate valves.	Valves shall be gate valves as specified in specification 400500.
7j	Drawing MP1.2.2 and I1.0.1	Drawing I1.01 shows a 24" dia plug valve on the suction line for a future pump 4. Drawing MP1.2.2 does not show a 24" dia plug valve at the suction line for pump 4. Which is correct?	Drawing 1.2.2 will be revised in an addendum to reflect new 24-inch plug valve for pump 4
7k	Drawing M1-1.2.1 and I1.0.2	The pump discharge main size on M1-1.2.1 (30" dia.) and I1.0.2 (18" dia.) do not agree. Which is correct	MP1-1.2.1 is correct
7l	Drawing M1-1.2.1 and I1.0.2	Reference Route 3 Influent Pump Discharge Pressure Sensors	
		a. A pressure sensor callout on MP1-1.2.2 refers to pressure sensors on each of the 18" dia. pump discharge lines. The P&ID on I1.0.2 does not show these pressure sensors. These pressure indicators are also not listed in 40 91 00 Supplement 1-1. Which is correct?	Provide pressure sensors on each pump discharge as shown on MP1-1.2.2
		b. The P&ID on I1.0.2 shows a pressure indicator (01-PI-150) on the 18" dia. pump discharge main. MP1-1.2.2 does not show a pressure indicator on the 30" dia. pump discharge main (this discharge main is below grade). Which is correct?	MP1-1.2.2 is correct
		c. Shall these pressure sensors have annular seals per detail A/IC0.8.4 or diaphragm seals?	These pressure sensors will have annular seals per detail A/IC0.8.4. P&IDs and data sheets will be updated

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7m	Drawing MP2.0.0/1 and I2.0.1	Reference: The 30" dia. headworks plug valves upstream of flow meters 02-FE-101 and 102. Sheet I2.0.1 shows three 30" dia. plug valves upstream of the flow meters. Sheet MP2.0.1 shows five 30" dia. plug valves upstream of the flow meters. Sheet MP2.2.0 shows three plug valves upstream of the flow meters. Which is correct?	MP2.2.0 governs here. There are three 30"-DIA VPGs upstream of the dual 30" flow meters.
7n	Drawing MP2.2.6 and I2.0.1	Sheet MP2.2.6 shows a 42" dia. plug valve up-stream of the Headworks Influent Channel. Sheet I2.0.1 also shows this plug valve. Sheet MP2.0.1 does not show this plug valve. Which is correct?	MP2.2.6 is correct. The 42"-DIA VPG is upstream of the Headworks influent channel.
7o	Drawings I2.0.3, MP2.0.1, MP2.2.3 and Section 462323	Reference, the 4" dia. plug valves on the suction side of the Headworks Grit Pumps a. Sheets I2.0.3, MP2.0.1, MP2.2.3 and Section 6/MP2.3.3 show the 4" dia. plug valves on the suction side of the Grit Pumps are manually operated. b. Specification Section 462323/2.3/D/3/b (page 6) reference an electrically actuated plug valve on the Grit Pump's suction side that is to close after the pump shuts off. c. Which is correct? d. Are these valves to be furnished with the Grit Classifier Package System?	The 4"-DIA VPGs on the suction side of the grit pumps are to be manually actuated. The reference in Specification Section 462323 to the electrically-actuated valves will be removed. The valves are NOT furnished with the Grit Classifier Package System. They are specified in Section 400500.
7p	Drawing MP2.2.3 and C5.1.24	The 10" dia. underground drain line from the Grit Classifiers on Sheet MP2.2.3 does not match the two 6" underground drain lines shown on Sheet C5.1.24. Please clarify, which is correct?	MP2.2.3 is correct C5.1.24 will be revised by addendum
7q	Drawing MP 2.3.3 and 2.4.1	Section C/MP2.3.3 and Isometric 2/MP2.4.1 call for grooved pipe and fittings for the 6" Grit Classifier drain lines. The pipe schedule on G-4 calls for PVC (flanged or solvent weld). Please clarify if this piping is to be grooved ductile iron or grooved PVC, or other?	Provide grooved ductile iron for the Grit Classifier drain lines as shown on MP2.4.1.
7r	Drawing MP2.2.2 and MP0.8.3	What size is the Odor Control Piping from the Influent Channel to the Odor Control Fan Inlet shown on MP2.2.2? Note Detail B/MP0.8.3 shows this duct is 16 in. diameter	16"-DIA FRP
7s	Odor Control	What size is the Odor Control Piping from the Odor Control Fan Discharge to the Odor Control Unit	16"-DIA FRP

RFI No.	REFERENCE SECTION	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
7t	Drawings I2.0.1 and I2.0.2 and Section 462133	Please confirm that the level sensors immediately upstream and downstream of the Rotating Drum Fine Screens (02-LE-110A, 110B, 120A, 120B, 130A and 130B) shall be furnished by the Rotating Drum Fine Screen Manufacturer, per Specification Section 462133/2.8. (These level sensors are not marked with "*" on Sheets I2.0.1 and I2.0.2).	That is correct. The two level sensors for each screen shall be supplied by the screen manufacturer and installed per their recommendations for appropriate screen control. They are not marked with a "*" because they are inside a "Package System" border.
7u	Section 333400.00	The Pipe Schedule on G-4 and G-5 reference Specification Section 333400.00. Please confirm that this is the same as Specification Section 333400 (Sanitary Utility Sewerage Force Mains	Confirmed, pipe schedule on G-4 and G-5 will be revised in addendum.
7v	Section 333400.00	The Pipe Schedule on G-4 and G-5 references Specification Section 333400.00 for various buried piping flow streams where the pipe diameters exceed 12 inches. Specification Section 333400/2.1 (page 3) is for pipe 12 inch and smaller. Please clarify	Specification will be revised by addendum.
7w	Section 333400.00	The Pipe Schedule on G-4 and G-5 reference Specification Section 333400.00 for buried DIP (ductile iron piping) for various flow streams (ML, RAS, SDW, SSC and SSL). Section 333400 calls for PVC piping (less than 12 inch) and ductile iron fittings. Please clarify	The Pipe Schedule will be amended to show the correct reference. All of the above flow streams (ML, RAS, SDW, SSC, SSL) are ductile iron pipe and shall be referenced to Specification Section 402700.01 as ductile iron pipe.
7x	Section 333113.00	Reference: Pipe Schedule on G-4, Flow Stream D, Drains	
		a. The Pipe Schedule calls for PVC C900, Specification Section 333113.00	Noted
		b. Please confirm that Specification Section 333113.00 is the same as 333113, Public Sanitary Utility Sewerage Piping.	Confirmed
		c. Specification Section 333113 calls for SDR-35 ASATM D3034 PVC piping. Which is correct (SDR-35 or C900)?	SDR-35, Sheet G-4 will be revised by addendum.

Bidders are also notified to visit GWA website: www.guamwaterworks.org to ensure that addenda to the bid, answers to questions, and reminders are communicated to all bidders throughout the solicitation process.

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