



GUAM WATERWORKS AUTHORITY

Upgrade of the Northern District Wastewater Treatment Plant


GWA Project No. S17-003-OEA

IFB-02-ENG-2019

Response No. 6 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
16a	Headworks/RAS/WAS Building	In the Headworks/RAS/WAS building, the finish for Room 103 shows the walls to be painted concrete, but the elevation view shows ceramic tile on all four walls. Also, please advise how high the ceramic tile should go. The elevation shows up to 8', but there is no ceiling called out and the bottom of deck is 13' above the finished floor	Walls with ceramic tiles is Room 106 not Room 103. Refer to Addendum B drawings Sheet A2.1.0 and A0.1.
16b	Headworks/RAS/WAS Building	In the Headworks/RAS/WAS building, the finish for Room 100 shows the floor to be epoxy coated, but the walls are shown to be PT-2. Please advise if the walls should also be epoxy coated.	Walls not required to be epoxy paint.
16c	Route 3 Pump Station	Please advise locations of the louvers in the Route 3 Influent Pump Station.	No new louvers to be provided.

RFI No.	REFERENCE SECTION	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
16d	Headworks	<p>In the Headworks/RAS/WAS building, please confirm that the FRP grating highlighted below does not need to be epoxy coated.</p> 	<p>The covers do not require an epoxy coating but must adhere to Specification 067000 Section 2.5.A, including being chemically resistant to hydrogen sulfide and other VOCs and having an anti-slip surface. UV inhibitors and a UV-resistant coating are also required in Section 2.4.D.</p>
16e	Aerated Sludge Storage	<p>Please provide a door schedule for Process 9 Aerated Sludge Storage Facility. Doors D101 and D100 appear to be new doors, but Process 9 is not included on the Door Schedule from Sheet A0.3.</p>	<p>Addendum to sheet will be issued.</p>
16f	Sheet A10.1.1	<p>On Sheet A10.1.1, a pre-engineered metal platform is called out. Please advise which Spec Section covers the requirements for this material. If there are none, please provide the Specs.</p>	<p>Platform and supports shall be aluminum.</p>
16g	Sheets A17.2.1 and A18.2.2	<p>Please advise if the furniture shown on Sheets A17.2.1 and A18.2.2 is to be Contractor-Furnished/Contractor-Installed (CFCI). If CFCI, please provide the Basis of Design or Specifications for the furniture.</p>	<p>Addendum to sheet will be issued.</p>
17a	C5.1.22	<p>Section 3/C5.1.22 calls out detail 8/C12.1.13 for yard plug valves. There is no detail 8. Please clarify.</p>	<p>Corrected by Addendum A.</p>
17b	MP4.3.1	<p>Section 1/MP4.3.1 calls for a 36" fabricated pipe thimble per detail H/MP0.8.3. Detail H/MP0.8.3 is not for a pipe thimble. Please clarify.</p>	<p>Call out should state "Restrained Joint Wall Pipe (Typ)" and refer to Detail C/MP0.8.1. MP4.3.1 to be revised.</p>

RFI No.	REFERENCE SECTION	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
17c	MP4.3.1	Section 3/MP4.3.1 calls for a 36" base mounted elbow support per B/MP0.8.5. Detail B/MP0.8.5 only goes up to 24". Please clarify.	Detail B/MP0.8.5 to be revised via addendum.
17d	G4	Drawing G4 Pipe Schedule lists PVC for buried NPW greater than or equal to 4". Nothing is listed for buried pipe less than 4" such as on C6.1.5. Please clarify.	All buried NPW piping shall be Sch. 80 PVC.
17e	P16.2.1	Drawing P16.2.1 shows a 6" NPW connection to civil. Drawing C6.1.5 shows a 4" NPW connection. Please clarify.	6" dia. NPW from P16.2.1 to remain. C6.1.5 will be revised to match 6" dia. NPW.
17f	C6.1.5	Drawing C6.1.5 shows a 4" NPW connection to UV Disinfection. Neither drawing MP6.2.1 or P6.2.1 show any NPW. Please clarify.	This is for future use. No current connection for Plumbing.
17g	P14.2.1	Drawing P14.2.1 shows a 4" NPW connection to civil @ gridlines 5 & A. Drawing C6.15 shows 3" NPW. Please clarify.	3" dia. NPW from C6.1.5 to remain. P14.2.1 will be revised to match 3" dia. NPW.
17h	C6.1.5	Drawing C6.1.5 shows 2" NPW going to the CHW tank. Drawing MP11.2.2 & MP11.2.3 show 4" NPW. Please clarify.	2" dia. NPW from C6.1.5 to remain. MP sheets will be revised.
17i	MPD1.2.1 & MP1.2.1	There is a conflict in the drawings at the Southern Link Pump Station. MPD1.2.1 indicates the existing wet well gate is a slide gate while MP1.2.1 indicates it is a sluice gate and calls for a new sluice gate. Please clarify the what the existing gate and what the new gate shall be.	Information shown on MPD1.2.1 follows the as-built plan convention, which in this case calls out a slide gate. The new plan, MP1.2.1, uses the current convention calling for a sluice gate. New equipment shall follow the new site plan and project specifications.
17j	MP9.2.2 & Summary 011000	There is a conflict in the specifications and the drawings. 011000 Summary article 1.6 A 6 indicates that clarifier number 1 is transformed into an aerated sludge holding tank while Note 1 C on MP9.2.2 indicates clarifier number 1 is to be decommissioned and demolished. Please clarify if clarifier number 1 is to be demolished or is to be converted to an aerated sludge holding tank (similar to clarifier number 2).	Summary should read "Clarifier 2," not clarifier 1.
17k	P11.2.2, C6.1.1	Drawing P11.2.2 shows (2) 2" NPW connections at the ATAD tanks. Drawing C6.1.1 shows (2) 2" PW connections. Please clarify	2" dia PW from C6.1.1 to remain. P11.2.2 will be revised.
17l	MP13.2.1, C5.1.22	Drawings MP13.2.1 & MP13.9.1 show a 6" OVF line. Drawings C5.1.22 & C5.2.28 show an 8" OVF line. Please clarify.	Civil should be 6". Will update by addendum.

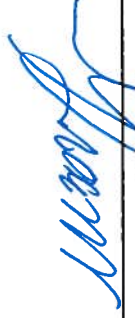
RFI No.	REFERENCE SECTION	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
17m	C5.1.22	Drawing shows 2" Drain. The pipe schedule per Response No. 3 RFI #7x response calls for drains to be SDR35. As SDR35 is not readily available in 2" size, will Sch 40 DWV solvent weld pipe be acceptable?	SCH40 DWV is acceptable.
17n	17810	The footnote states "(ALT A)". Please confirm that this specification section is part of the base bid and is to be removed per Alternate Deduct "D" and has nothing to do with Alternate Deduct "A".	Review the specification index for information on this specification. Specification 017810 is part of the base bid and is also amended as part of Alternative bids A and D.
17o	MP0.0.7	For Process Area 09 the pumps are listed as 1,500 gpm. Specification section 44425.11 Supplement 1 lists the pumps as 750 gpm each. Please confirm that 750 GPM is the correct value.	750 gpm per pump is correct. Follow specification.
17p	MP0.0.6, 462323	Grit Pump Schedule on MP0.0.6 lists 15 HP motors while section 462323p.3.D.2.f lists 5 HP. Please clarify.	5 HP. MP0.0.6 to be revised.
17q	434111	The specifications state the supplier is to install the concrete foundation for the tank floor. The manufacturer's supplier has stated that they typically do not quote the foundations for the South Pacific and they expect the General Contractor to cover that. Please confirm that this is acceptable.	General Contractor shall install foundation.
17r	467324, 017810	Section 467324 p.1.8.B states warranty for ATAD equipment shall be per section 017810. Section 017810 does not list the ATAD equipment. Please clarify.	Specification 01780 identifies ADAD under part 1.2 C. All items listed under 1.2 C shall have extended warranties for equipment required in each respective specification.
17s	A17.6.2	Details 1 & 3/A17.6.2 call out details 1, 2, 6 & 8/A0.11. Drawing A0.11 does not exist. Please confirm the detail call out should be A0.10.	Drawings Sheet A0.10 for details and Sheet A17.6.2 will be issued as addendum.
17t	A0.10	Please provide locations where the following details apply, as they do not appear to be referenced on any plans: 3, 4, 5, 7 & 9/A0.10	Addendum to drawing Sheet A0.10 will be issued. Casework details applicable to New Admin Building and the Refurbish Lab Building.
17u	62000	Please confirm the following items listed in Section 06 20 00 do not apply to the project and shall be deleted as they do not appear to exist on the project: paragraph 2.4 Interior Wood Paneling, paragraph 2.5 Wood Door Frames, paragraph 2.7 Plastic Laminate, paragraph 2.8 Adjustable Shelving.	Interior Wood Paneling and Wood Door Frames not applicable to the project. Plastic Laminate finish may be used in lieu of Wood Veneer.

RFI No.	REFERENCE SECTION	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
17v	64000	Please confirm the following items listed in Section 06 40 00 do not apply to the project and shall be deleted as they do not appear to exist on the project: paragraph 2.2 Plastic Laminate Face Casework and Shelving, paragraph 2.3 Plastic Laminate Countertops, paragraph 2.5 Marble and granite Countertops, paragraph 2.6 Wood Shelving	Marble and Granite tops not applicable to the project. Plastic Laminate finish may be used in lieu of Wood Veneer.
17w	61000	Section 06 10 00 listed products and requirements for structural wood framing including joists and rafter, plywood subflooring and bridging. Please confirm that this section does not apply to the project and shall be deleted as there does not appear to be any structural wood framing on the project.	Structural Wood Framing not applicable to the project.
17x	MP0.0.7, 467324	Drawing MP0.0.7 lists the capacity for the ATAD Transfer Pumps as 400 GPM. Data sheet at back of 467324 lists 200 GPM for 12-PCL-110, -120. Please clarify.	Data sheet in specification are correct. Pumps shall be 200 gpm.
17y	G-5, 333400	The Pipe Schedule on drawing G-5 states buried pipe for Raw Sewage less than or equal to 42" is to be PVC C900. Section 333400 p1.2.B.3 & p2.1.A only shows sizes up to 12" (modified to 36" in addendum 1). We have been informed C900 is not available in sizes above 24". Please clarify.	Contractor should verify this once more with supplier. EOR has confirmed C900 is available in required size.
17z	A1.1.2/ A.04	Please clarify detail of sign P found on page A.1.1.2 , as it is not shown in any sign detail on page A.04.	Addendum for drawing Sheet A.04 will be issued.
17aa	G5, MP4.2.1	The Pipe Schedule on drawing G-5 indicates that buried "SE" pipe is to be HDPE. The mechanical process drawing MP4.2.1 shows the "SE" lines noted as "DI" which we presume to mean ductile iron. Note 7 on MP4.2.1 also indicates that the discharge pipe transitions to a 42" SE-DI at SMH#1. Are these lines HDPE or Ductile Iron? Please clarify.	The 36" and smaller pipe is to be DIP. 42" is to be HDPE.
17bb	Misc	We find no detail on connection of the SE line to the clarifier outlet structure. Which wall penetration detail is required?	MP0.8.1 Detail B.
17cc	C5.1.8	Drawing shows the SE pipe between STA. 26+00 and the connection to the UV Structure to be DIP. Should this be PRJ DIP where buried and flanged where it is partially exposed (see C5.2.9) or all PRJ with a flange adapter at the influent 90 bend?	PRJ DIP where buried. Flanged DIP where exposed and partially exposed.
17dd	400500p2.8.1	Spec indicates extension stem bonnet, 2" nuts and T-wrenches are to be furnished. Is a T-wrench required for every valve?	Provide four (4) T-wrenches total, length as required to operate buried valves with handle minimum 3 feet above finished grade.

RFI No.	REFERENCE SECTION	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
17ee	C12.1.6 MP0.8.7	Drawing C12.1.6 Detail 3 reflects a "Sewer Forcemain Cleanout". Drawing MP0.8.7 Detail E reflects a "Pressure Cleanout". Which of these details is applicable to the pressure cleanouts shown on the civil drawings?	Follow Detail shown on MP Sheet as called out on C5.1.16.
17ff	C5.1.24	Per the response No. 3 RFI #7q, the drains lines coming from the headworks building are to be 10" per the MP drawings. However, these lines flow into an 8" trunk line. This is not normal engineering practice and could surcharge the trunk line and manholes. Should the trunk line shown on C5.1.2.4 be increased to 10"? Please advise.	As stated in previous response, MP2.2.3 is correct C5.1.24 will be revised by addendum.
17gg	C5.1.25	Drawing shows a section of 16" D which is SDR35 per Response No. 3 RFI #7x. SDR35 is not made in 16" diameter size. Will 15" be acceptable?	Line size will be revised by addendum.
17hh	C5.1.30	Drawing shows a 6" and 2" D (SDR35 per Response No. 3 RFI #7x) lines at the odor control building. The notes for the bends are labeled "MRJ". Is this an error or should the bends on this gravity line be restrained? Please clarify.	Subject lines do not have to be restrained.
17ii	333400p2.1.B.1 402700.01	Spec section 333400p2.1.B.1 states the ductile iron fittings must comply with AWWA C110. The ductile iron material data sheet provided in section 402700.01B allows for compact fittings in compliance with AWWA C153. Can AWWA C153 fittings be used on the C900 PVC sanitary force mains?	C153 is acceptable.
17jj	333400p2.1.B.3 331116p2.1.A.2	Spec section 333400p2.1.B.3 states that fittings for the sanitary force mains must be epoxy coated. Is this a requirement for the PW fittings also or is cement lining acceptable? Spec section 331116p2.1.A.2 does not address the lining requirement. Please advise.	Follow specification.
17kk	Misc	Should the PW C900 PVC pipe be restrained with bell restraints similar to the RS, S and SSR C900 PVC?	Yes.
17ll	C12.1.15	The 6" fire hydrant lines are shown in detail 4 as being restrained joints. We presume that this means wedge action restraining glands are to be used. Are wedge action restraining glands required at all PW DIP fittings? Please advise.	Yes, refer to specification 402700 for specific details. All pressurized pipe shall be restrained.

RFI No.	REFERENCE SECTION	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
17mm	0900 Procurement Checklist	While reviewing Bid Documentation, we noticed under "Procurement Checklist" the General Agent for Travelers is listed as Moylan's Insurance Underwriters Inc. Typically we use Takagi & Associates in Guam for countersignatures. Please clarify if it is acceptable to use Takagi & Associates as a countersigning agent instead of Moylan's.	Both Moylan's and Takagi are listed as general agents licensed to transact business in Guam. As such, Takagi & Associates can be used for the Agent in Guam.

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.



 MIGUEL C. BORDALLO, P.E.
 General Manager *TKC*

MCB;gb