

## Central Guam Reservoirs – Manenggon Reservoir No. 2 and Tamuning Reservoir No. 2 GWA Project No. W14-006-BND IFB-01-ENG-2023 GWA RFI Response No. 1 to 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 IFB. The following responses are in response to RFIs received.

	DATE	QUESTION/INQUIRY AS SUBMITTED:	GWA RESPONSE:
1	12/13/2022	Specification 003140 – Please confirm whether pipe and miscellaneous metals for the prestressed tank are required to be Buy American?	Buy American Requirements apply to all reinforcement steel under this contract.
			See Specification, Rev A, 016000, 1.2, D.
		Specification 003140 – Please confirm a warranty period for	See Specification, Rev A, 033140, 1.8, F.
2	12/13/2022	the prestressed concrete of 1 year is acceptable?	
		Specification 00900 & Section 033140 – Please confirm that	Yes, experience requirements set forth in Specification, Rev
3	12/13/2022	the experience qualifications set forth in Section 033140-4,	A, 033140, 1.4, shall be submitted with the Bid.
		paragraph 1.4 shall be submitted with the Bid?	
	12/13/2022	Specification 099000 – 3.1 – A – Page 13. Please confirm	Dome roof will require exterior coating. See Tamuning
4		whether the tank roofs (Flat or Dome) will require an exterior	Reservoir plan – Rev A, C-511.
-	12/13/2022	coating.	
			Flat roof will not require exterior coating.
		Section 03100 – 3.2 – C states that concrete forms should not	See Specification, Rev A, Section 031000, 3.2, C.
		be removed until concrete has reached a compression	
5	12/13/2022	strength of 2500psi. There has been success in removing the	
		wall forms after 36 hours on previous GWA projects. Please	
		have the Project Engineer review and confirm that the wall	

		forms may be removed after 36 hours or a minimum compression strength of 2500 psi is achieved, whichever occurs first.	
6	12/13/2022	Section 033000 – 3.5 – states that concrete units shall have cured for 7 days for hydraulic structures before the contiguous unit placed. Please note that it is standard prestressed tank industry practice to a wall section back against a previous wall section after the wall has experienced 36 hours of cumulative curing time above 50°F. The prestressed tank wall is supported on neoprene bearing pads that allow curing to occur without restraint. Please have the Project Engineer review and confirm that a 36 hour pour-back time between adjacent wall sections is acceptable for use on this project.	See Specification, Rev A, Section 033000, 3.5, A.
7	12/13/2022	Tamuning #2 - Sheet S-101 indicates the drain pipe is 12" diameter while S-504 indicates 18". Please confirm the drain pipe size.	See Tamuning Reservoir plan – Rev A, Sheet S-101.
8	12/13/2022	Tamuning # 2 & Manenggon- Sheets S-506, detail E shows a grating at the 4x8 access hatch. We noted in Section 055000 – 2.7 – B states a net is required at all hatch openings. Please confirm whether a metal grating or polyester net will be required.	See Tamuning Reservoir plan – Rev A, Sheet S-506 and Specification, Rev A, 055000, 2.7, B.
9	12/14/2022	Tamuning #2 – Civil Sheets C-106, C-109, etc. show a finish floor elevation of 196.0 and an overflow elevation of 236.0 resulting in 40'-0" from floor to overflow. In the tank details, this overflow dimension is shown as 41'-0" with a 40'-0" operating depth. In addition, drawing S-101 shows an operating depth of 40'-0" in section 3 shows a finish floor of 196.0 and and overflow elevations 235.0 which is 39'-0". Please confirm the tank finish floor elevation, operating depth and overflow depth.	See Tamuning Reservoir plan – Rev A, Sheet C-106, C-107, C-108, C-109, S-101.
10	12/14/2022	Tamuning # 2 – Sheet S-101 depicts a thicker structural floor in section 3, however a 6" membrane slab is called out as well as shown on drawing S-201. Please confirm a 6" membrane slab may be utilized on the Tamuning tank.	Install 6" slab per plan.
11	12/14/2022	Tamuning #2 – Sheet S-504 shows angles support on the 2" washdown pipe. Please confirm if this is needed on the ¾" sensing line in Tamuning. Also please confirm if these supports are required	No angle support for the sensing line on either reservoir.  Angle supports are required for the Tamuning and

		for the washdown pipe and sensing line on the Manenggon tank.	Manenggon reservoirs washdown lines.
12	12/14/2022	Tamuning # 2 - Sheets S-506, detail 1 shows a grating inside the hatch. Please confirm grating is not needed on the Tamuning dome tank as it would be sloped with the dome and maybe a safety hazard.	See Tamuning Reservoir plan – Rev A, Sheet S-506.
13	12/15/2022	Due to the upcoming holidays quotations from equipment suppliers and local subcontractors will be delayed.  We would like to request for four (4) weeks extension of bid due.	Bid acceptance has been extended from December 28, 2022 to January 20, 2023 at 10 a.m. ChST. Submit one original and one copy of bid documents.  See Addendum No. 1.
14	12/15/2022	Please confirm that the period of performance will exclude the permit application duration due to the lengthy process and that the NTP will be issued after obtaining the required permits.	The permit application process is part of the period of performance. Should permit process be delayed for an extended period at no fault of the Contractor, extension shall be considered.
15	12/15/2022	Our subcontractor who specializes in building prestressed concrete tanks gave us a rough timeline on the construction of the 2MG Manenggon reservoir no. 2 and 3MG Tamuning reservoir no. 2 for 35 weeks and 40 weeks, respectively.  With this information would GWA be considering in extending the period of performance for this project?	See Specification, Rev A, 011000, 1.3.
16	12/15/2022	Please clarify the extent of GWA participation for the utility outages.	Once a complete outage request has been submitted by the Contractor, GWA operations and engineering will review the request and approve or reject the request.  If an outage has been approved, GWA, in general, will  GWA will issue a public outage notice.  GWA operations will perform necessary work to shut down the system for the Contractor to perform the work. There may be instances where Contractor will need to assist GWA operations, i.e. installing a saddle for pressure monitoring, uncovering bury valves.  GWA engineering and Construction Manager will monitor and inspect the outage work. This includes

			<ul> <li>pre-inspection of the site and material prior to the outage.</li> <li>After Contractor has completed the work, GWA operations will place the system back online.         Typically, restoration will take several hours and the Contractor is expected to stay onsite to correct any work deficiencies that may occur during restoration.     </li> </ul>
17	12/15/2022	Please specify which materials will be included in the Buy American Act for this Central Reservoirs bid.	See Item No. 1.
18	12/15/2022	Due to the overgrowths during the site visit, we were unable to see the facitilities to be demolished.  Please provide drawings or dimension for the existing steel tank for demolition.	See Attachment to RFI Responses No. 1.
19	12/15/2022	Please confirm as mentioned during the site visit that debris for the demolished Pulantat tank will be treated and disposed as regular construction debris.	See Manenggon plans – Rev A, Sheet D-101, Notes 10 and 11.
		Please confirm if there is any working hour restriction from Leo Palace during the construction phase. Will they be allowing weekend work?	See General Conditions, Article 7, 7.02 Labor; Working Hours and Specification, Rev A, 01100, 1.5, C for weekend work.
20	12/15/2022		Contractor may submit a request to perform work outside the regular working hours or on Saturdays, Sundays, or Legal holidays. There has been no weekend or hour restrictions set by Leo Palace. If there any changes, GWA will notify the Contractor.
		It was mentioned during the site visit that Leo Palace operation can	Manenggon Reservoir outages will have to be closely
21	12/15/2022	not be disrupted by the work done for Manenggon reservoir no. 2.  Please confirm as mentioned during the site visit that utility outages for the Manenggon reservoir site can only be done at night.	coordinated with GWA and Leo Palace. It can be assumed that all outages will be conducted at night to minimize impact to all customers in the affected area, including the satellite station.
	,,,		Please note the requirements for outage work at the Manenggon Reservoir site set forth in Specification 011000, 1.5, D, 3, which states,  • "Leo Palace Resort requires about 8,000 gallons per day for the cooling towers. The Contractor shall

			provide a water, possibly by water truck, for Leo
			Palace use during any service outage for the resort.
			The Contractor shall coordinate with Leo Palace staff
			through the Contracting Officer."
22	12/15/2022	Is there any associated fees to Leo Palace during the construction of Manenggon reservoir no. 2?	None.
		Please confirm that security requirement for the Manenggon	See Specification, Rev A, 015000, 1.16, A, B, and C for
		reservoir no. 2 site will be only after working hours.	security program requirements.
22	12/15/2022		
23	12/15/2022		Specification 015000, Rev A, 1.16, C, Security Service states,
			"Employ uniformed guard service to provide guards on Site
			during nonworking hours, weekends, and holidays."
		Reference bid item 5.20 Cleaning of existing tank, OSHA will not be	Contractor must provide documentation that moveable
		allowing any moveable scaffoldings for the inspection.	scaffolding is not allowed in the reservoirs.
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24	12/15/2022	Fixed scaffold will be required. Please confirm this is acceptable.	If OSHA will not be allowing moveable scaffolding for
			inspection, the Contractor shall have appropriate staff to
			move fixed scaffolding to different locations inside the tank
			per GWA and inspector's directive.
		Please confirm that archeological monitoring will only be required	Archeological monitoring is required for Manenggon
		for Manenggon reservoir no. 2 site.	Reservoir No. 2 and Tamuning Reservoir No. 2 site ground
25	12/15/2022		disturbing activities.
	, ,		
			See Specification 011000, Rev A, 1.9, D.
		Additive Bid - Access pump station - Item 6.2 Temporary pump	See Manenggon Reservoir plan – Rev A, M-101: Temporary
26	12/15/2022	system, generator and container, for uniformity of bid scope please	Pump Station Mechanical Piping Plan.
		provide details and requirements for temporary pumping system.	2 2512 1 1 1 1 1 51 211122
		Please confirm as mentioned during the site visit that the portion of land owned by Guam International Airport can be utilised by	See RFI Response No. 1 Attachment: Figure 8411830-
		contractor as part of their lay down area. Please confirm the	TUMON1-FIG2-R7.
		location for the laydown area for Tamuning reservoir no. 2.	
	40/45/2022	location for the layabwir area for familianing reservoir no. 2.	Contractor may use area within the proposed property line
27	12/15/2022		for laydown area. Please note that the Contractor must
			provide access to GWA for the existing in-service tank
			throughout construction.
			Should the area not be adequate for laydown area, it is the

			Contractor's responsibility to find a suitable location offsite.
		Please confirm that security requirement for the Tamuning reservoir no. 2 site will be only after working hours.	See Specification, Rev A, 015000, 1.16, A, B, and C for security program requirements.
28	12/15/2022		Specification, Rev A, 015000, 1.16, C, Security Service states, "Employ uniformed guard service to provide guards on Site during nonworking hours, weekends, and holidays."
29	12/15/2022	Drawing D-102 and note 4 shows sawcut and pavement restoration limits along route 10A and on Route 1. DPW requires a full lane width restoration on primary roads. Please clarify and confirm the limits of asphalt restoration shown.	Requirements from DPW are shown on the plans per prior meetings with them; however, DPW requirements may change. If required, GWA and the Contractor shall negotiate a change for any additional DPW requirements.
30	12/15/2022	Drawing C-505 detail 3/C-505 and 4/C-505 shows asphalt pavement detail section. Please confirm asphalt friction course layer is not required.	Asphalt friction course is required. See addition of DPW road restoration detail on Tamuning Reservoir plan – Rev A, Sheet C-505.
31	12/15/2022	Drawing D-103 general note 4, calls for notification of owner when hazardous materials are found. Note 4 also states that hazardous materials shall be removed and disposed of. Please confirm that any hazardous material found during construction and not identified in the drawings and/or specification shall be considered a change.	Any hazardous waste not shown would be an unforeseen condition that would be considered a change.
32	12/15/2022	Drawing D-102 and D-103 note 8 emphasizes particular care when excavating in and around existing utility. Drawing D-102 and D-103 does not show any existing underground fiber optic line. Please confirm.	We believe the fiber optic lines are shown as GTA or TEL line type. General Construction Note 8 of Tamuning Reservoir plan – Rev A, Sheet C-001 states that utilities shall be considered approximate and not necessarily complete. It is the sole responsibility of the Contractor to independently verify the accuracy of all utility locations.
33	12/15/2022	Drawing C-527 Well abandonment details.  1. What is the static water level of the well?  2. What are the casings made of, PVC, steel?  3. What is the diameter of the casing?	For bidding purposes, assume well depth of 200' and 4" PVC casing.
34	12/15/2022	Sheet S-103 reflected ceiling plan and curb detail, note 4 calls for "Install Carbon Fiber Fabric (C), (D)". Please clarify the area or extent to be applied with Filter fabric in ceiling and roof. Confirm if hatch area in reflected ceiling is the area of fabric and applied to the same area on the roof.	The carbon fiber is the hatched area. It is applied to the ceiling only, not the roof.
35	12/15/2022	Please provide outage fee or per hour services of GWA employee.	For outages outside normal working hours and weekends as

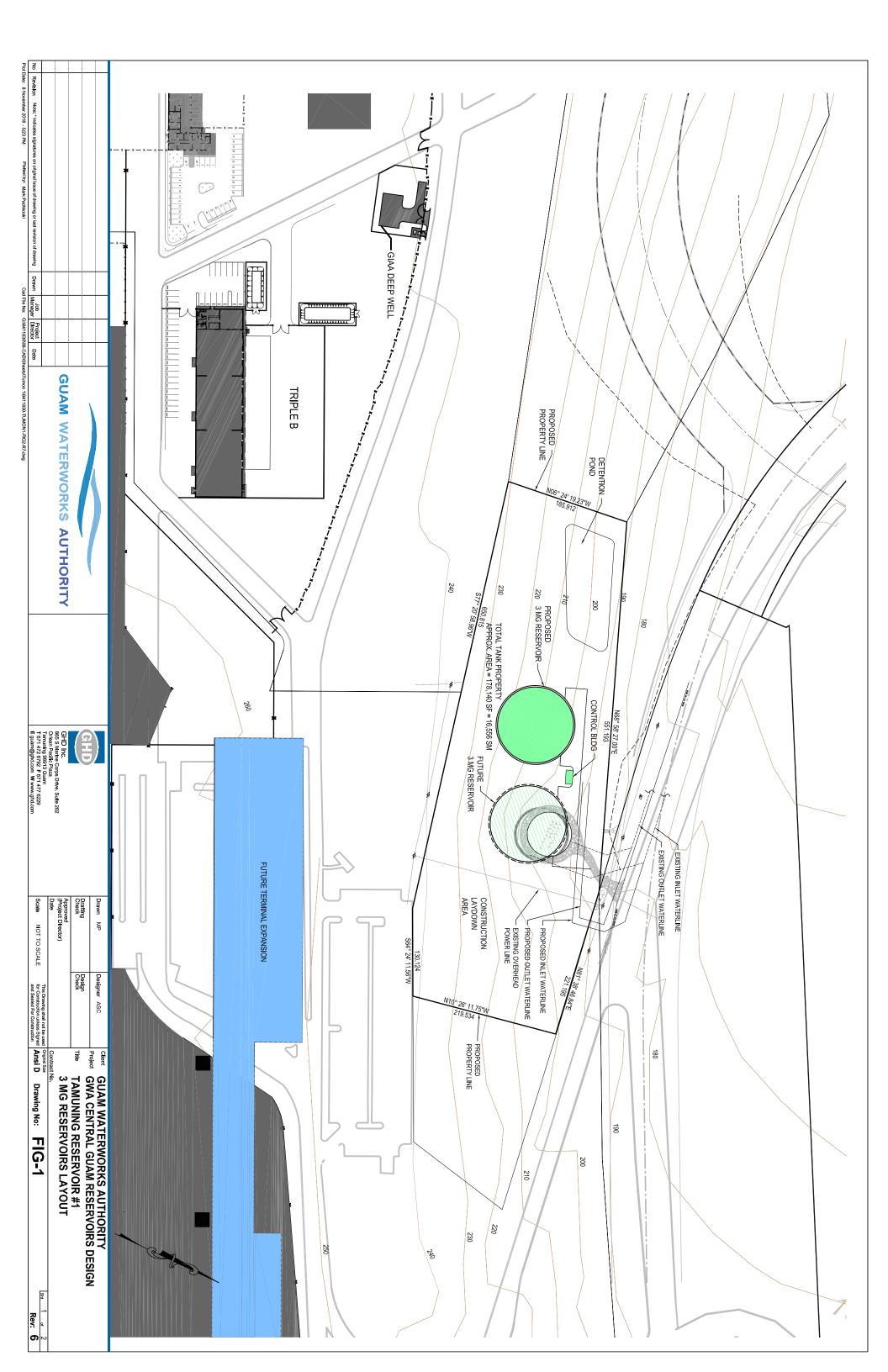
			<ul> <li>specified, the labor and equipment cost are as follows.</li> <li>Operator: \$25.00/HR</li> <li>Leader Operator: \$30.00/HR</li> <li>Engineer: \$40/HR</li> <li>Vehicle: \$55/HR</li> <li>Valve Exercising Machine: \$75.00/HR</li> <li>Water Tanker: \$75.00/HR</li> <li>Note the following: <ul> <li>GWA stall determine appropriate staff for each outage.</li> <li>Costs are estimated based on projected time for completion, but may increase if completion time goes beyond Contract time.</li> <li>Costs are estimates and may change due to employee classification and equipment availability.</li> <li>Labor, materials, and equipment will be billed to the Contractor.</li> <li>Adhere to Contract documents.</li> </ul> </li> </ul>
36	12/15/2022	Subcontractor (DN Tanks) provided below schedule  Notice to Proceed 2/1/2023 Tank Design Submittal from DN 3/1/2023 Client Approval of Design 3/22/2023 DN mobilize to prepared tank pad 5/1/2023 Manenggon Tank Construction 32 wks Tamuning Tank Construction 35 wks Please consider adjusting the completion date of the project.	See Specification, Rev A, 011000, 1.3.
37	12/15/2022	We respectfully request a 4-week bid extension from December 28, 2022, to January 25, 2023. The additional time is necessary for completing all the quantity takeoffs and to requesting pricing from the vendors.	Bid acceptance has been extended from December 28, 2022 to January 20, 2023 at 10 a.m. ChST. Submit one original and one copy of bid documents.  See Addendum No. 1.

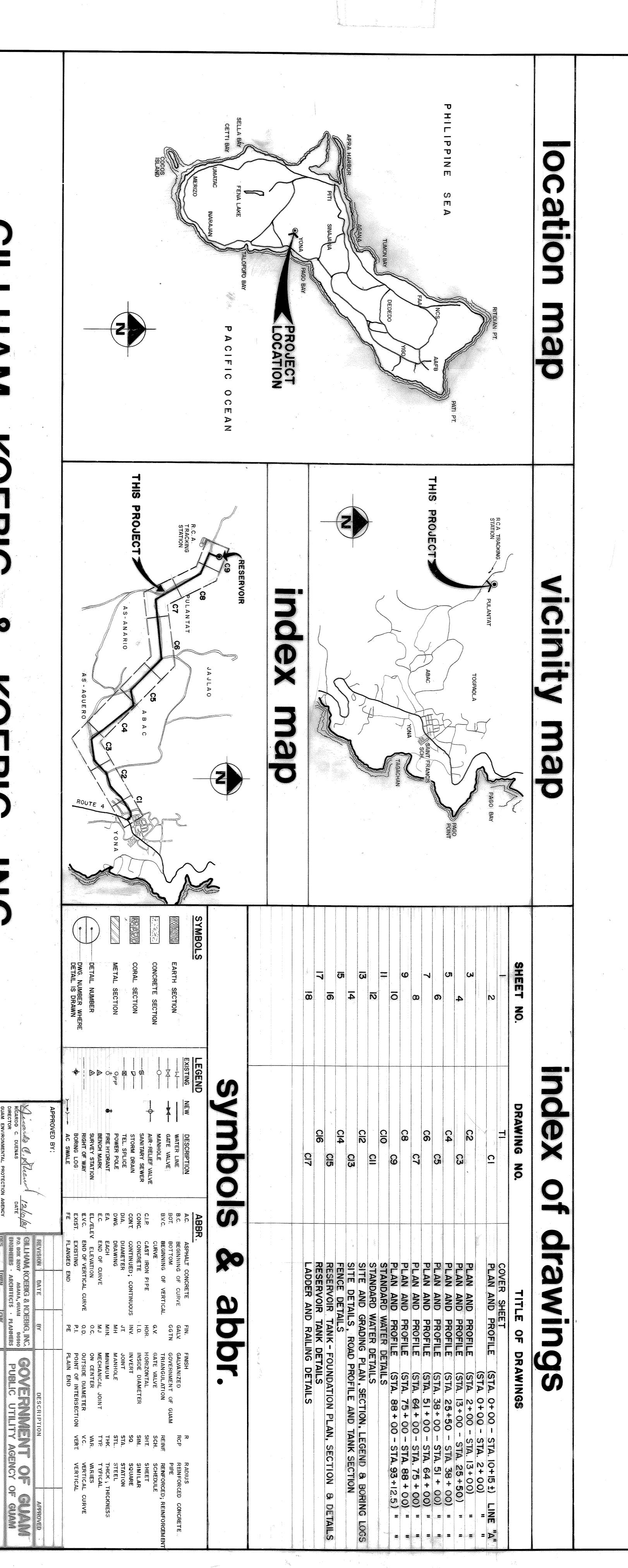
Bidders are also notified to visit GWA website: <a href="www.guamwaterworks.org/bids">www.guamwaterworks.org/bids</a> to ensure that addenda to the IFB, answers to questions, and reminders are communicated to all bidders throughout the solicitation process.

MIGUEL C. BORDALLO, P.E.

General Manager

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