



**GUAM WATERWORKS AUTHORITY**

Gloria B. Nelson Public Service Building  
688 Route 15 | Mangilao | Guam 96913

**PRE-BID MEETING MINUTES**

**PROJECT:** IFB-02-ENG-2020  
**BAYSIDE SEWER PUMP STATION REHABILITATION Construction Package A and Construction Package B**  
**GWA PROJECT NO. S15-007-BND**

**SUBJECT:** PRE-BID MEETING

**DATE:** FEBRUARY 7, 2020; 10:00 AM

**VENUE:** GPWA PROCUREMENT CONFERENCE ROOM A

**ATTENDEES:** SEE ATTACHMENT 1

**PREPARED BY:** EMPSCO ENGINEERING CONSULTANTS

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The following summarizes our meeting held on February 7, 2020. This summary is not a direct transcript, but rather a summary of the discussions as follows:

**A. Introduction:**

- a. This project will be GWA funded and will be handled by Rylma Carino - Project Engineer, to be supervised by Mauryn McDonald, P.E - CIP Wastewater Section Supervisor. The Designer of Record is EMPSCO Engineering Consultants.

**B. General requirements:**

- a. Bid Submittal requirements  
The documents shall be submitted along with the bid listed under Section 0900 entitled "Procurement Checklist". All bids must be submitted at Engineering Division Room 202.
- b. Addenda Acknowledgement  
Addendum shall be posted at GWA website under the Bids tab. GWA will not email the addendum to the bidders. Addendum number and date must be indicated in the Bid form, otherwise, bid will be rejected.
- c. RFI Submittal and Responses  
Submit RFI's to Gloria Bensen at [gpbensen@guamwaterworks.org](mailto:gpbensen@guamwaterworks.org), no later than February 14, 2020. RFIs submitted after the deadline will not be entertained.
- d. Bid Opening  
Bid opening will be held on February 28, 2020 at 3:00PM, unless bid date is extended.



e. Bid Award

Bid shall be awarded to the lowest/responsive/responsible bidder meeting all requirements of the bid. Bidders attention is called on the requirements of insurance coverage limits. Once the project is awarded to the lowest responsive bidder, a copy of each insurance policy naming GWA as additional insured including the Pollution Liability insurance must be submitted for GWA review and approval prior to contract signing.

**C. Project Description/ Scope of Work:**

The project is consisting of Construction Package A and Construction Package B.

I. Construction Package A: Bayside Sewer Pump Station

This is an existing pump station located along the west coast near the corner of Governor Carlos Camacho Road and Marine Corps Drive, near Jimmy Dee's at Tamuning, Guam. An existing sewage gravity manhole is being utilized providing the pumping requirement. Currently, this station is not functioning which the incoming flows being pumped out by a single submersible pump temporarily dipped in the station wet well sewage discharged through a temporary bypass connected to the existing discharge pipeline. The following are the scope of work but not limited to:

General:

- a. Provide grouted riprap protection at southwest corner
- b. Replace north, south, and west side fencing
- c. Convert existing wet well to intake manhole
- d. Provide concrete vault; demolish existing valve box
- e. Rehabilitate existing wet well for installation of new pumps
- f. Provide new access floor hatch opening
- g. Provide new entrance door, including frame and hardware.
- h. Painting and coating of existing and new surfaces.
- i. Perform bypass pumping from upstream manhole at wet well during manhole rehabilitation work.
- j. Provide a ½ ton manual operated monorail hoist system.

Mechanical

- a. Provide two parallel submersible pumps.
- b. Remove and replace existing bypass valves; Provide new gate and check valves; and connect new discharge line to POC.
- c. Provide basket screen system at influent line to the pumps.
- d. Provide ventilation system at control room and basement wet well.

Electrical

- a. Replace existing ATS; along with other existing electrical distribution equipment; includes main circuit breaker, new panel board and transformer and new wiring installed in new conduits and new boxes.
- b. Provide lighting and outlets.
- c. Provide new generator to replace the existing unit.
- d. Provide new pump controls consisting of one level transducer, two float switches and the new SCADA compatible pump controller with modern capable of communicating either wireless or by wired data service connection with GWA central SCADA.



- e. Other equipment: Install flow meter monitor and provide roof ventilator with dedicated manual control switch.

For complete Scope of work, refer to Bid Form.

## II. Construction Package B: Underground Power Cable:

An underground electrical service for the Bayside facility was designed by the Guam Power Authority (GPA) for GWA. Package B is linked to the upgrade of the sewer pump station to convert overhead power cable to underground power cable. The new system will locate the pole mounted transformer near the main road at entry point. Service involve a “Hybrid” service drop to a primary hand hole and onto a meter pedestal. Power delivered to the pump station through underground secondary cable sizes as appropriate for the new station total loads. The following are the scope of work but not limited to:

- a. Provide new underground electrical service to include:
  - Relocate existing power meter
  - New underground electrical wire and conduit
  - New secondary handholes
  - New concrete meter pedestal
  - New rigid aluminum service riser

## D. Project Summary:

Objective: Restoration and upgrade existing sewer pump station at minimum cost.

Expected Outcome: Provide a reliable, functional, sewer collection system

## E. Project Schedule:

Construction Calendar Days

Construction Package A = 365 CD

Construction Package B = 150 CD

Total Calendar Days = 515 CD

## F. General Advice:

- a. Bidders need to understand clearly the strategy and the scope of the works involved in this project and submit reasonable offer.
- b. Contract will be administered in accordance with the conditions of contract
- c. Make sure that all bid forms submitted are completed and properly addressed as outlined in the bidding document.
- d. No late submission of bid will be accepted
- e. If you have any queries or concerns, contact GWA.

## G. Project Compliance: Archaeological Monitoring: (AMDRP):

- a. EMPSCO has been task to do archaeological monitoring and data recovery plan. International Archaeology (IA) has been contracted to do this task as far as monitoring resources within the area.
- b. Contractor shall be reminded to request physical presence of IA personnel prior to commence any ground disturbance activity.



**H. Bidding Instructions:**

Deadline for Bid Submission: February 28, 2020 at 3:00 PM  
Request for clarifications: February 14, 2020  
Bid Validity: 60 days after bid opening  
Bid Bond: 15% total bid amount  
Submittal: 1 unbound copy enclosed in a plainly marked package and shall be accompanied by the Bid bond and other required documents.

**I. Site Visit:** February 7, 2020 at 2:00 PM;  
Meeting place: First Hawaiian Bank parking Lot in Tamuning.

Meeting adjourned at 11:00 AM

The above is the understanding of EMPSCO of the discussion resulting from the meeting. Should there be any clarification or corrections please contact EMPSCO Engineering Consultants.

Minutes prepared by:

EMPSCO Engineering Consultants  
Tyrone de Guzman, P.E.  
Project Engineer

- END -

# **BAYSIDE SEWER PUMP STATION REHABILITATION**

## **Construction Package A and Construction Package B**

### **GWA Project No. S15-007-BND**

**Pre Bid Meeting**

**February 7, 2020**



# WELCOME!

**Pre Bid Meeting**

*for*

**BAYSIDE SEWER PUMP STATION REHABILITATION  
Construction Package A and Construction Package B  
GWA Project No. S15-007-BND**



BAYSIDE SEWER PUMP STATION REHABILITATION  
GWA Project No. S15-007-BND – Pre Bid Meeting



# INVITATION FOR BID



## GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Building, 688 Route 15 • Mangilao, Guam 96913  
Telephone: (671) 300-6036

(This Ad Paid By Guam Waterworks Authority)

### INVITATION TO BID IFB-02-ENG-2020

The GUAM WATERWORKS AUTHORITY will receive sealed bids for the **BAYSIDE SEWER PUMP STATION REHABILITATION; Construction Package A and Construction Package B; GWA Project No. S15-007-BND**. Bids will be accepted until **3:00 p.m.**, Chamorro Standard Time, **February 28, 2020**, at the Gloria B. Nelson Public Service Building, 688 Route 15, Mangilao, GU 96913 at which time and place all bids will be publicly opened and read aloud.

The contract time for the project is **515** calendar days for the Base Bid portion of the work. All bids must be accompanied by a Bid Bond in the amount of fifteen percent (15%) of the total bid amount. Bid security may be in the form of a bid bond, certified check or cashier's check made payable to Guam Waterworks Authority.

A non-refundable amount of Twenty-Five dollars (\$25.00) is required for the purchase price of every electronic copy (CD) of the bidding documents which will be available at the Engineering Division on or after **January 28, 2020**. Amendments will be available on GWA's website to download at no cost at the following address: <http://guamwaterworks.org/bids/>. Vendors should also routinely check for updates on the website as well as for emails from GWA notifying vendors about changes in bid status or providing responses to queries. The Guam Waterworks Authority reserves the right to reject any or all bids and to waive any imperfection in a bid that is in the best interest of the Authority.

A Pre-Bid Conference has been scheduled at **10:00 a.m., February 7, 2020** followed by a site visit at **1:30 p.m.** All bidders are encouraged to be present. All questions or clarifications must be submitted in writing no later than **February 14, 2020**.

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



BAYSIDE SEWER PUMP STATION REHABILITATION  
GWA Project No. S15-007-BND – Pre Bid Meeting



GUAM WATERWORKS AUTHORITY

# OUTLINE OF PRESENTATION

- ☐ Purpose of Pre Bid Meeting
- ☐ Background
- ☐ Project Summary
- ☐ Project Area
- ☐ Site Photos
- ☐ Project Scope
- ☐ Project Schedule
- ☐ Project Compliance
- ☐ Bidding Instructions
- ☐ General Advice
- ☐ End of Presentation
- ☐ Questions?





# PURPOSE OF PRE BID MEETING

1. To provide background information regarding the contract.
2. Opportunity for clarifications from bidders & GWA.
3. Dissemination of any important information regarding the project



# BACKGROUND

## CONSTRUCTION PACKAGE A – BAYSIDE SEWER PUMP STATION

The Bayside Pump Station is one of several GWA's central pump stations; located along the west coast near the corner of Governor Carlos Camacho Road and Marine Corps Drive. Constructed in the mid-1970s as an ejector station collecting sewage from businesses and residents along Governor Carlos Camacho road and pumping the sewage to a gravity manhole located on Gov. Carlos Camacho Road. Over several years, the station along with its ejectors have deteriorated, and has led to its current condition with incoming flows being pumped out by a single submersible pump temporarily dipped in the station wet well sewage is discharged through a temporary bypass connected to the existing discharge pipeline.



# BACKGROUND Con't

## CONSTRUCTION PACKAGE B – UNDERGROUND POWER CABLE

A new project Package B, is linked to the upgrades at the sewer pump station to convert overhead power cable to underground power cable. This is to address GPA's concern that the existing power pole, located on the bank of a tidal stream, is at risk of being lost due to storm surges. The proposed underground cable would be located in a 3-foot deep trench along an existing earthlined access driveway.

### Electrical Service

An underground electrical service for the Bayside facility designed by GPA for GWA provided under Construction Package B.

- The new system will locate the pole mounted transformers near main road at entry point.
- Service involve a “Hybrid” service drop to a primary hand hole and onto a meter pedestal.
- Power delivered to the pump station through underground secondary cable sized as appropriate for the new station total loads.



# PROJECT SUMMARY

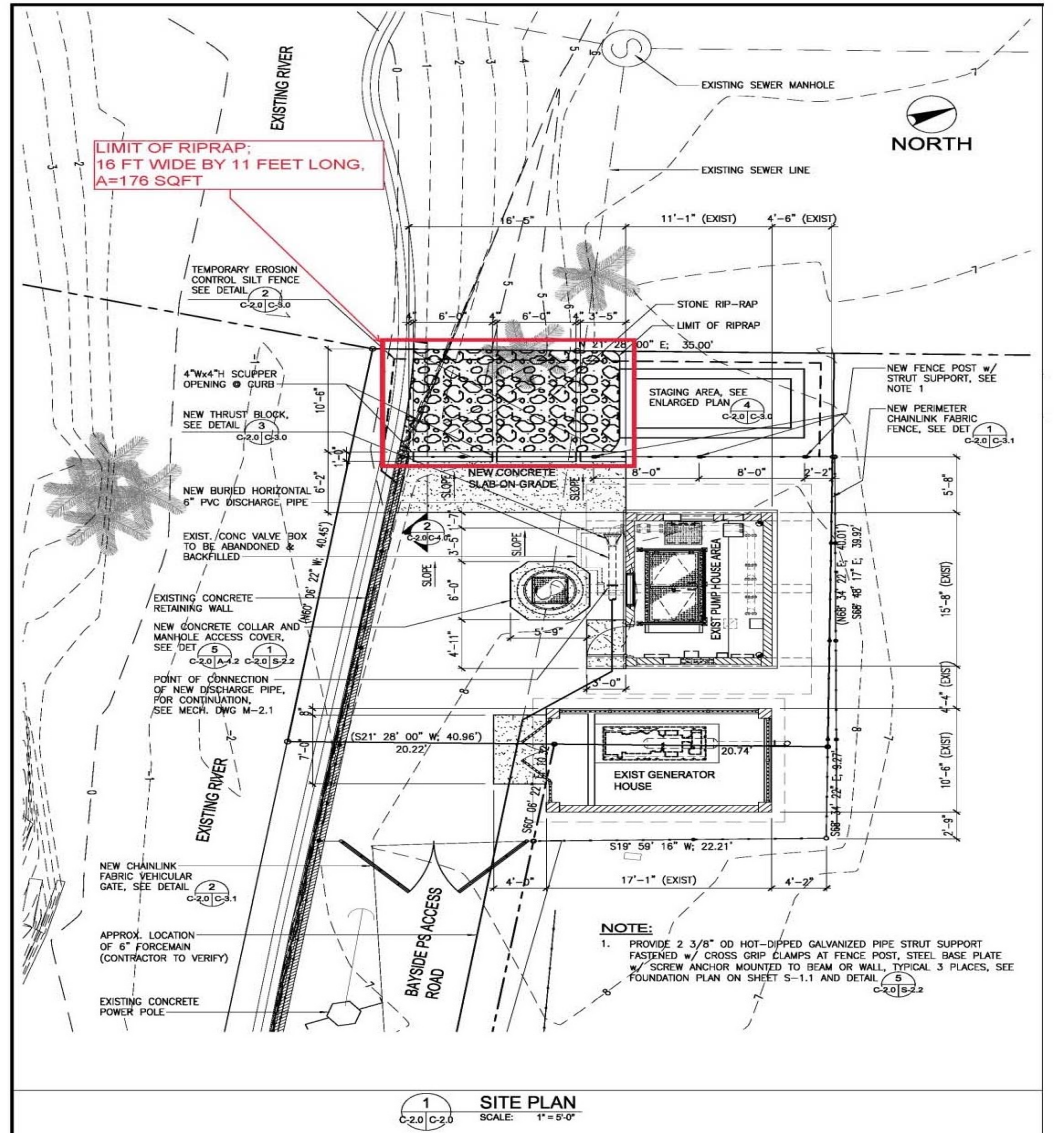
- **Title:** BAYSIDE SEWER PUMP STATION REHABILITATION  
Construction Package A and Construction Package B
- **Procurement Method:** Competitive Bidding
- **Contract Type:** Design-Bid-Build
- **Funding:** GWA Bond
- **Objective:** Restoration and upgrade existing sewer pump station at minimum cost.
- **Expected Outcome:** Provide a reliable, functional, sewer collection system.





# PROJECT AREA Con't

## CONSTRUCTION PACKAGE A – BAYSIDE SEWER PUMP STATION





# PROJECT AREA Con't

## CONSTRUCTION PACKAGE B – UNDERGROUND POWER CABLE



# SITE PHOTOS



**SITE ENTRANCE - Carlos Camacho St**



**SITE ENTRANCE - Along River**



**SITE ENTRANCE Along River**



**SITE EXIT Along River**



# SITE PHOTOS Con't



**Existing Fence**



**Existing Fence**



**Existing Fence**



**Existing Fence at Retaining Wall**



# SITE PHOTOS Con't



**Existing Fence at Eroded Area**



**Eroded Area SW Corner**



**Eroded Area**



**Eroded Ground**



# SITE PHOTOS Con't



**Pump House**



**Access Hatch**



**Electrical Panel Boxes**



**Generator**



# SITE PHOTOS Con't



**Existing Generator & Control Panel**



**PS Rear Elevation**



**Existing Wet Well**



**Existing Wet Well**



# SITE PHOTOS Con't



**Existing Wet Well**



**Existing Discharged Line**



**Existing Valve Box**

# SITE PHOTOS Con't



**Access Hatch & Removable Planks**



**Basement Level**



**Existing Sewer Pipings**



# SITE PHOTOS Con't



**Existing Basement Sump Pit**



**Existing Basement**

# PROJECT SCOPE

## CONSTRUCTION PACKAGE A - BAYSIDE SEWER PUMP STATION

### GENERAL SCOPE OF WORK:

- Provide grouted Riprap protection at southwest corner
- Replace North, South and West side fencing
- Convert existing wet well to intake manhole; Install new concrete collar w/ operable cover;
- Provide concrete vault w/cover for bypass valves; Demolish existing valve box , backfill and compact soil inside existing valve box.
- Rehabilitate existing Wet well for installation of new pumps
- Provide new access floor hatch opening at Ground Floor Control Room:
- Provide new entrance door, frame and hardware at pump building.
- Painting and coating of existing and new surfaces
- Perform bypass pumping from upstream manhole to wet well during manhole rehabilitation work.
- Provide a ½- ton manual operated monorail hoist system





# PROJECT SCOPE Con't

## CONSTRUCTION PACKAGE A - BAYSIDE SEWER PUMP STATION

### MECHANICAL SCOPE OF WORK:

- Provide two parallel submersible pumps with alternate, lead-lag and simultaneous operation including necessary equipment and accessories.
- Remove and replace existing bypass valves; Provide new gate and check valves; Connect new discharge line to POC.
- Provide basket screen system at influent line to the pumps.
- Provide ventilation system at control room and basement wet well.



# PROJECT SCOPE Con't

## CONSTRUCTION PACKAGE A - BAYSIDE SEWER PUMP STATION

### ELECTRICAL SCOPE OF WORK:

#### Electrical Service

An underground electrical service for the Bayside facility designed by GPA for GWA provided under Construction Package B.

- The new system will locate the pole mounted transformers near main road at entry point.
- Service involve a “Hybrid” service drop to a primary hand hole and onto a meter pedestal.
- Power delivered to the pump station through underground secondary cable sized as appropriate for the new station total loads.

#### Generator Equipment

A new 60KW 480-277V/3PH generator shall be provided to replace the existing unit - sized to start and run the two new 14.58 HP pumps 460V at the same time.



# PROJECT SCOPE Con't

## CONSTRUCTION PACKAGE A - BAYSIDE SEWER PUMP STATION

### ELECTRICAL SCOPE OF WORK:

#### Distribution system:

Replaced existing ATS; along with other existing electrical distribution equipment; includes main circuit breaker, new panel board and transformer and new wiring installed in new conduits and new boxes; Provide New disconnect switch between the existing GPA meter and the new ATS

#### Lighting and Outlets:

- Provide new LED lighting fixtures, new switches and receptacles with new branch circuit wiring.
- The light fixtures in wet well shall be explosion proof;
- Manual control switch, located only at the ground floor.
- Provide new exterior security lights with combination motion detection/photocell control
- Lighting fixtures at the generator shed shall not require any emergency battery.



# PROJECT SCOPE Con't

## CONSTRUCTION PACKAGE A - BAYSIDE SEWER PUMP STATION

### ELECTRICAL SCOPE OF WORK:

#### New Pump Controls

New Pump controls will consist of one level transducer, two float switches and the new SCADA compatible pump controller with modem capable of communicating either wireless or by wired data service connection with GWA central SCADA.

#### Other Equipment:

- Install **flow meter monitor**; mounted on the wall and powered from a dedicated circuit in the lighting panel.
- Provide **roof ventilator** with dedicated manual control switch and powered from a dedicated circuit at the lighting panel.



# PROJECT SCOPE Con't

## CONSTRUCTION PACKAGE B - UNDERGROUND POWER CABLE

### GENERAL SCOPE OF WORK:

Provide new underground electrical service to include:

- ☐ Relocate existing power meter
- ☐ New underground electrical wire and conduit
- ☐ New secondary handholes
- ☐ New concrete meter pedestal
- ☐ New rigid aluminum service riser



# PROJECT SCHEDULE

## CONSTRUCTION CALENDAR DAYS

CONSTRUCTION PACKAGE A – BAYSIDE SEWER PUMP STATION	365 C.D
CONSTRUCTION PACKAGE B – UNDERGROUND POWER CABLE	150 C.D
<b>TOTAL CALENDAR DAYS</b>	<b>515 C.D</b>



# PROJECT COMPLIANCE

## ARCHAEOLOGICAL MONITORING: (AMDRP)

Guam Historic Resources Division  
RC 2017-0597

**Compliance Requirements:** Guam Executive Orders 89-9 and 89-24; P. L. Title 21, GCA, Chapter 76; Dept. of Parks and Recreation; General Guidelines for Archaeological Burials, Section IV, Reburial Guidelines, amended March 2010, and Section 106 of the National Historic Preservation Act (NHPA).

**OBJECTIVE OF AMDRP: To insure historic preservation requirements are fully implemented;**

- AMDRP prepared by International Archaeology, LLC (IA)
- AMDRP submitted to and approved BY DPR-SHPO - Dec. 6, 2019;
- IA will perform continuous archaeological monitoring, in conjunction with ground excavations or disturbance associated with installation of grouted rip-rap slope stabilization;
- IA will conduct continuous monitoring during trench excavation for underground power supply.

**SCHEDULING AND COORDINATION WITH IA DURING CONSTRUCTION:**

- Contractor shall be reminded to request physical presence of IA archaeological/monitor personnel PRIOR or BEFORE start of any ground disturbance activity!
- Violation of this requirement will result in appropriate actions taken by Regulatory Agencies against the contractor.



# BIDDING INSTRUCTIONS

- **Deadline for Bid Submissions:** February 28, 2020 at 3:00pm
- **Request for clarifications:** February 14, 2020
- **Bid Validity:** 60 days after Bid Opening
- **Bid Bond:** Fifteen percent (15%) total bid amount
- **Bid Closing Date:** February 28, 2020
- **Submittal:** One (1) Unbound copy enclosed in a plainly marked package and shall be accompanied by the Bid bond and other required documents.

Further Details: Refer to Invitation for Bid and Bidding /Contract Requirements documents.





# GENERAL ADVICE...

- Bidders need to understand clearly the strategy and the scope of the works involved in this project and submit reasonable offer.
- Contract will be administered in accordance with the conditions of contract
- Make sure that all bid forms submitted are **completed** and properly addressed as outlined in the bidding document.
- No late submission of bid will be accepted.
- If you have any queries or concerns, contact GWA.



# END OF PRESENTATION

**Better Water, Better Lives**



**GUAM WATERWORKS AUTHORITY**

## SITE VISIT

**February 7, 2020 at 1:30 p.m.**



BAYSIDE SEWER PUMP STATION REHABILITATION  
GWA Project No. S15-007-BND – Pre Bid Meeting



**GUAM WATERWORKS AUTHORITY**

# QUESTIONS?

# COMMENTS?

# CONCERNS?



BAYSIDE SEWER PUMP STATION REHABILITATION  
GWA Project No. S15-007-BND – Pre Bid Meeting

  
GUAM WATERWORKS AUTHORITY



# GUAM WATERWORKS AUTHORITY

IFB-02-ENG-2020  
**BAYSIDE SEWER PUMP STATION REHABILITATION CONSTRUCTION PACKAGE A & CONSTRUCTION PACKAGE B**  
 GWA Project No. S15-007-BND

Pre-Bid Conference  
 February 7, 2020 – 10:00 a.m. – GPWA Procurement Conference Room

Name:	Company	Contact No.	Email Address
<b>Guam Waterworks Authority</b>			
Mauryn McDonald, P.E. <i>mmcd</i>	GWA Engineering	300-6054	<a href="mailto:maurynm@guamwaterworks.org">maurynm@guamwaterworks.org</a>
Gloria Bensen <i>gbensen</i>	GWA Engineering	300-6042	<a href="mailto:gbensen@guamwaterworks.org">gbensen@guamwaterworks.org</a>
Rylma Carino <i>rcarino</i>	GWA Engineering	300-6043	<a href="mailto:rcarino@guamwaterworks.org">rcarino@guamwaterworks.org</a>
John Blas <i>jblas</i>	GWA Wastewater Operations		<a href="mailto:jblas@guamwaterworks.org">jblas@guamwaterworks.org</a>
<i>Rolando F. Lumongso</i>	<i>GWA Procurement</i>	<i>300-6856</i>	
<b>EMPSCO Engineering Consultants</b>			
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<i>REGIE SOSA</i>	<i>USG</i>	<i>787-0244</i>	<i>REGIE@igconstructingguam.com</i>
Mark Anthony Ancheta	Sumitomo Mitsui Bank, Ltd.	649-7521	<i>m.ancheta@smcguam.com</i>
<i>POMPEO BARROCA</i>	<i>sumitomo bank</i>	<i>868-1979</i>	<i>pbarroca@smcguam.com</i>





GUAM WATERWORKS AUTHORITY

Bayside Pump Station Rehabilitation  
Project No. S 15-007 Bond

Site Visit

February 7, 2020, 2:00 PM

NAME	COMPANY/AGENCY	EMAIL ADDRESS/ TELEPHONE NO	SIGNATURE
Rylma Carino	GWA	rlcarino@guamwaterworks.org	
Manini Aonikan	MAATRIZ DESIGN & CONSTRUCTION	manini@maatrizdesign.com	
Joffrey D. Caasi	Korando Corp	jcaasi@korandoconstruction.com	
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Peter Castro	GWA	pcastro@guamwaterworks.org	