



**CONSOLIDATED COMMISSION ON UTILITIES**  
Guam Power Authority | Guam Waterworks Authority  
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

**GWA RESOLUTION NO. 07-FY2022**

**RELATIVE TO REQUESTING APPROVAL TO PROCURE AN INDEFINITE DELIVERY/INDEFINITE QUANTITY DESIGN-BUILD SERVICES CONTRACT AND AN INDEFINITE DELIVERY/INDEFINITE QUANTITY PROFESSIONAL PROJECT/CONSTRUCTION MANAGEMENT SERVICES CONTRACT FOR GWA'S ISLANDWIDE SEWER COLLECTION/TRANSMISSION SYSTEM REPAIR, REHABILITATION, AND REPLACEMENT PROJECT**

**WHEREAS**, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities (“CCU”) has plenary authority over financial, contractual and policy matters relative to the Guam Waterworks Authority (“GWA”); and

**WHEREAS**, the Guam Waterworks Authority is a Guam Public Corporation established and existing under the laws of Guam; and

**WHEREAS**, GWA’s public wastewater collection/transmission system, consisting of gravity mains, manholes (MH), laterals, force mains (FM), and related appurtenances, is in need of repair, rehabilitation, or replacement in various locations island-wide; and

**WHEREAS**, the GWA public wastewater collection/transmission system, is in occasional need of design-build services to address emergency repairs that exceed in-house resources; and

**WHEREAS**, GWA endeavors to enter into a contract to repair, rehabilitate, or replace the wastewater collection/transmission system for the protection of human and environmental health, and in anticipation of a consent decree with the United States Environmental Protection Agency (USEPA); and

**WHEREAS**, a variety of repair methods will be considered and used, to include Cured-in-Place-Pipe (CIPP), spot repairs, open-trench pipe replacement depending on the situation and

1 location of sewer, with a primary consideration to minimize impacts while ensuring continuity  
2 and quality of service, which require specialized services; and

3  
4 **WHEREAS**, funding is available through bonds identified on the GWA Capital  
5 Improvements Plan, grants, internally funded capital improvement program (IFCIP) funds, and  
6 System Development Charge Funds; and

7  
8 **WHEREAS**, GWA is seeking an experienced and qualified sewer design-build  
9 contractor to provide Indefinite Delivery – Indefinite Quantity (IDIQ) Sewer  
10 Collection/Transmission System Repair, Rehabilitation, and Replacement services while  
11 ensuring continuity of sewer service to customers and minimizing adverse impacts to the island;  
12 and

13  
14 **WHEREAS**, the IDIQ design-build contractor will be selected through a Multi-step  
15 Sealed Bidding, consisting of a first step during which bidders submit un-priced technical offers  
16 to be evaluated by GWA and a second step, under which those bidders whose technical offers  
17 have been qualified under the criteria set forth during the first step solicitation, provide priced,  
18 sealed bids; and

19  
20 **WHEREAS**, GWA is seeking experienced and qualified professionals to provide IDIQ  
21 Project/Construction Management services to support the IDIQ design-build of the Sewer  
22 Collection/Transmission System Repair, Rehabilitation, and Replacement project; and

23  
24 **WHEREAS**, the IDIQ Project/Construction Management services will be procured  
25 through a request for proposals; and

26  
27 **WHEREAS**, project locations to be considered include, but are not limited to, the  
28 following sites identified in GWA's 2018 Water Resources Master Plan Update: Route 10  
29 Barrigada gravity sewer, Route 1 Piti gravity sewer, Finile Drive Agat gravity sewer, and Route  
30 1 Asan force main (see Exhibit A), with other locations to be determined based on priority and  
31 funding; and  
32

1           **WHEREAS**, due to the multiple sewer locations in need of repair, rehabilitation, or  
2 replacement, multiple contracts per IDIQ procurement will be considered; and

3  
4           **WHEREAS**, the design and construction cost of the identified projects were estimated to  
5 total Thirteen Million Thirty Thousand Dollars (\$13,030,000.00) in the 2018 Master Plan (see  
6 Exhibit A) and additional projects or escalation factors occurring since the original estimates  
7 were prepared may increase the contract value; and

8  
9           **WHEREAS**, the cost of IDIQ project/construction management contract is anticipated to  
10 exceed One Million Dollars (\$1,000,000.00) based on the current construction management  
11 contract for the Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and Replacement  
12 Project (see Exhibit B); and

13  
14           **WHEREAS**, the Public Utilities Commission (PUC) contract review protocol requires  
15 GWA to obtain approval prior to advertising procurement for projects with an anticipated value  
16 of One Million Dollars (\$1,000,000.00) or greater; and

17  
18           **WHEREAS**, the CCU must approve all petitions to the PUC.

19  
20           **NOW BE IT THEREFORE RESOLVED**, that the Consolidated Commission on  
21 Utilities does hereby approve the following:

- 22           1. The recitals set forth above hereby constitute the findings of the CCU.
- 23           2. The CCU finds that the IDIQ Design-Build Sewer Collection/Transmission  
24 System Repair, Rehabilitation, and Replacement is necessary for the protection of  
25 human and environmental health, and to meet the anticipated consent decree with  
26 the United States Environmental Protection Agency.
- 27           3. The CCU finds that the IDIQ Professional Project/Construction Management  
28 Sewer Collection/Transmission System Repair, Rehabilitation, and Replacement  
29 is necessary to support the IDIQ Design-Build Sewer Collection/Transmission  
30 System Repair, Rehabilitation, and Replacement Project.
- 31           4. The CCU hereby further approves management to submit a petition to the PUC  
32 for the procurement of one IDIQ Design-Build solicitation and one IDIQ

1 Project/Construction Management solicitation for island-wide sewer repair,  
2 rehabilitation, and replacement.

3  
4 **RESOLVED**, that the Chairman certified and the Board Secretary attests to the adoption  
5 of this Resolution.

6  
7 **DULY AND REGULARLY ADOPTED**, this 25<sup>th</sup> day of January, 2022.

8  
9 Certified by:

Attested by:

10  
11   
12 **JOSEPH T. DUENAS**  
13 Chairperson

14   
15 **MICHAEL T. LIMTIACO**  
16 Secretary

17  
18 **SECRETARY'S CERTIFICATE**

19 I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as  
20 evidenced by my signature above do hereby certify as follows:

21 The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular  
22 meeting by the members of the Guam Consolidated Commission on Utilities, duly and  
23 legally held at a place properly noticed and advertised at which meeting a quorum was  
24 present and the members who were present voted as follows:

25 AYES: \_\_\_\_\_ 5 \_\_\_\_\_

26 NAYS: \_\_\_\_\_ 0 \_\_\_\_\_

27 ABSENT: \_\_\_\_\_ 0 \_\_\_\_\_

28 ABSTAIN: \_\_\_\_\_ 0 \_\_\_\_\_

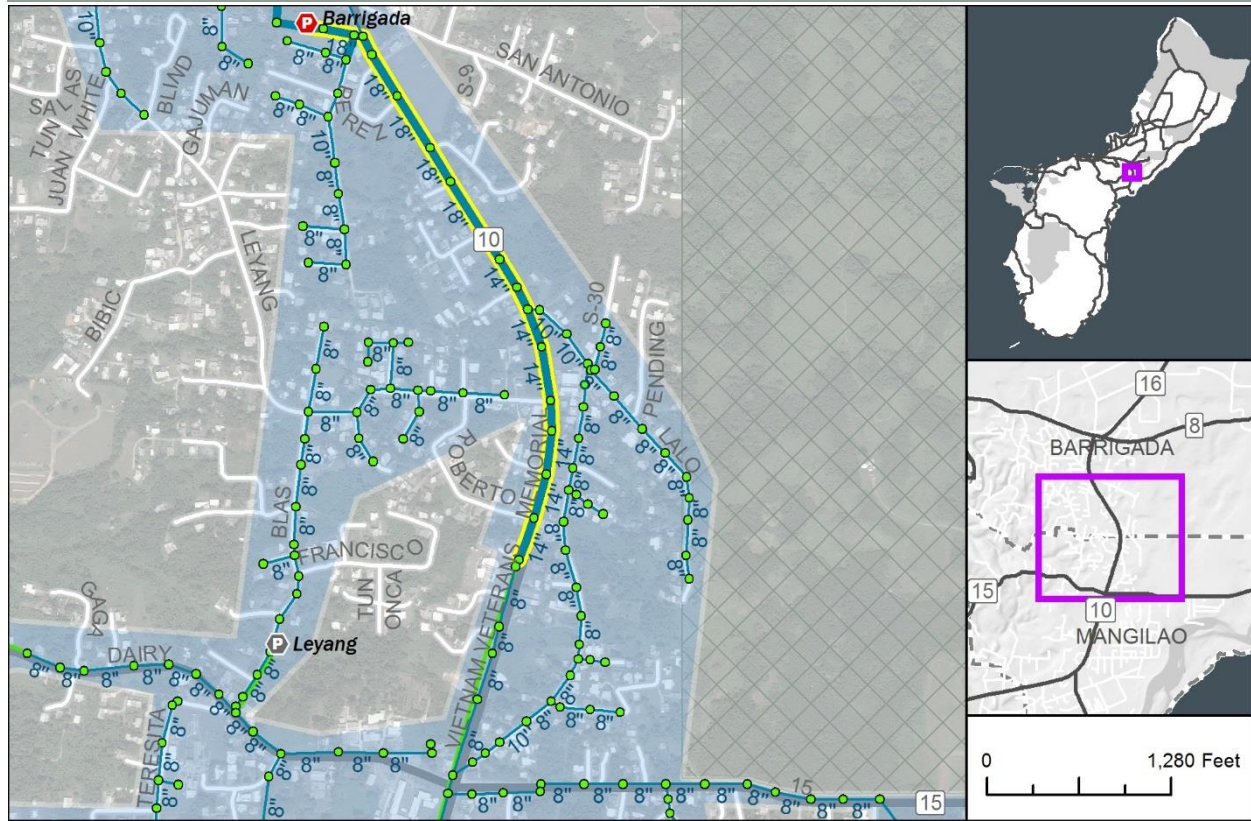


# EXHIBIT A

## GWA Master Plan Projects

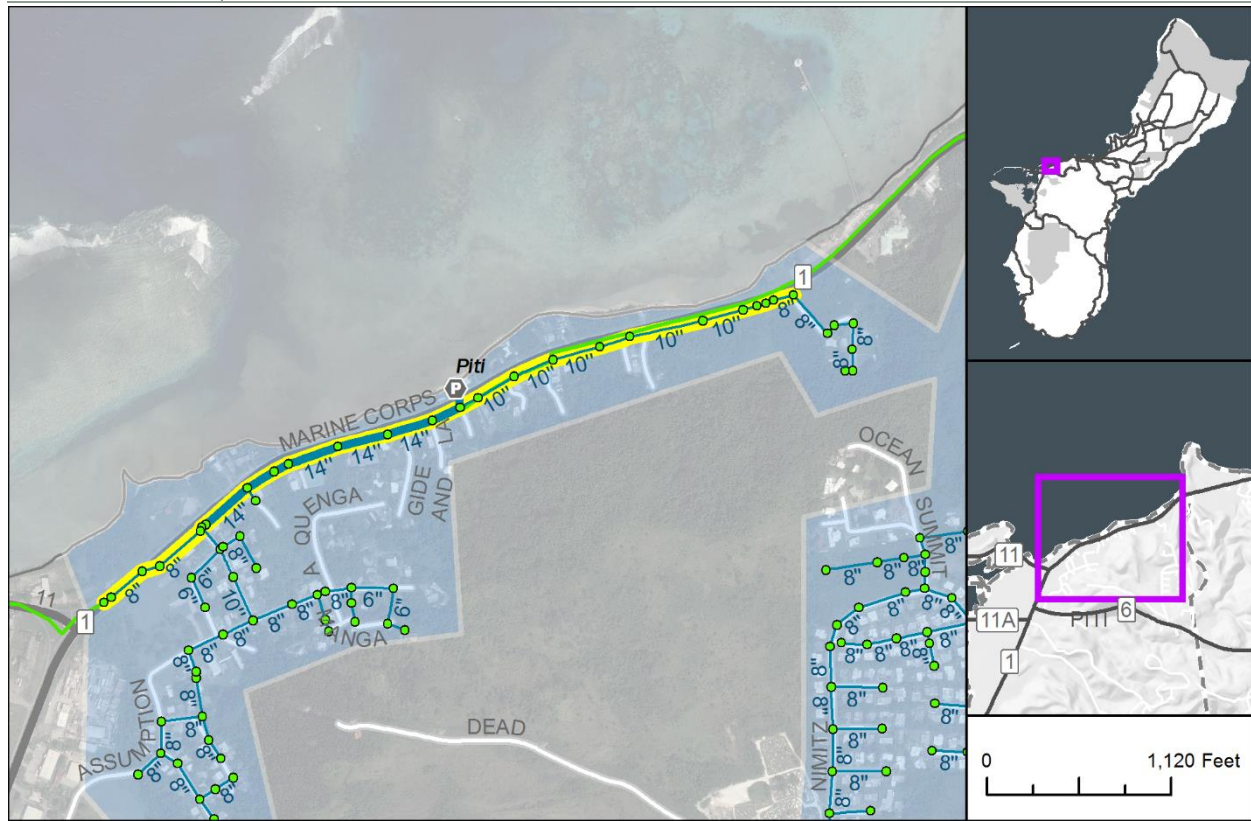
Number	Project	Cost Estimate
MP-WW-Pipe-02	Barrigada Pump Station Pipe Rehabilitation/Replacement	\$5,420,000
MP-WW-Pipe-03	Route 1 Piti Pipe Rehabilitation/Replacement	\$4,480,000
MP-WW-Pipe-26	Finile Drive Rehabilitation – Agat	\$830,000
MP-WW-FM-03	Route 1 Asan Force Main Rehabilitation/Replacement	\$2,300,000
	Total	\$13,030,000

Barrigada Pump Station Pipe Rehabilitation/Replacement			
<b>Project Number</b>	MP-WW-Pipe-02	<b>Basin</b>	Hagåtña
<b>Description</b>	Replace approximately 4,420 feet of gravity piping along Route 10 from the Mangilao force main to the Barrigada pump station (shown below in yellow). Section 8 discusses I/I issues along this pipeline that should be investigated before replacing this pipeline.		
<b>Justification</b>	The original pipeline liner is blistering and separating from the pipe. The pipeline will probably need to be replaced.		
<b>Proposed Schedule</b>	Begin Design: 2022		
<b>Cost Estimate</b>	\$5.42M		
<b>Reference Documents</b>	WRMPU Volume 3, Section 4, Table 4-13		



*This proposed project is subject to change. Projects will generally include an engineering study, detailed design, and field verification to refine the exact project scope and budget. Costs are presented in 2017 dollars and do not account for increases due to inflation and escalation. See Volume 1, Appendix D for cost estimate assumptions.*

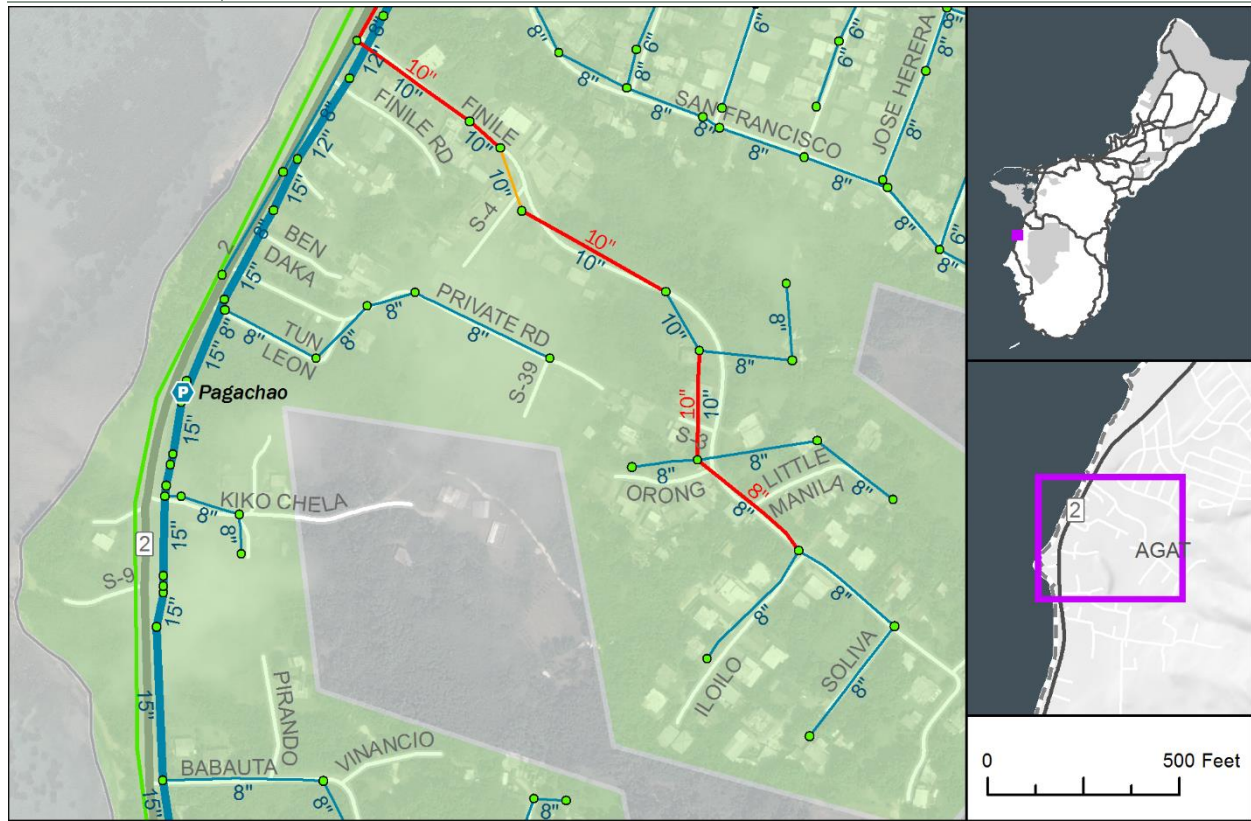
Route 1 Piti Pipe Rehabilitation/Replacement			
<b>Project Number</b>	MP-WW-Pipe-03	<b>Basin</b>	Hagåtña
<b>Description</b>	Rehabilitate or replace approximately 4,675 feet of gravity piping in Piti along Marine Corp Drive (shown below in yellow). The project will evaluate the use of CIPP options and open cut and replace construction to complete the necessary repairs.		
<b>Justification</b>	The original liner on this pipeline is in poor condition. The crowns of the pipes are deteriorated and GWA is concerned that jetting the pipe for routine maintenance could cause a failure.		
<b>Proposed Schedule</b>	Begin Design: 2018		
<b>Cost Estimate</b>	\$4.48M		
<b>Reference Documents</b>	WRMPU Volume 3, Section 4, Table 4-13		



*This proposed project is subject to change. Projects will generally include an engineering study, detailed design, and field verification to refine the exact project scope and budget. Costs are presented in 2017 dollars and do not account for increases due to inflation and escalation. See Volume 1, Appendix D for cost estimate assumptions.*



Finile Drive Rehabilitation - Agat			
<b>Project Number</b>	MP-WW-Pipe-26	<b>Basin</b>	Agat
<b>Description</b>	Rehabilitate or replace approximately 1,540 feet of gravity piping in Agat along Finile Drive (shown below in red and orange). The project will evaluate the use of CIPP options and open cut and replace construction to complete the necessary repairs.		
<b>Justification</b>	This piping has been identified by field investigation to be in very poor condition and requires rehabilitation or replacement.		
<b>Proposed Schedule</b>	Begin Design: 2019		
<b>Cost Estimate</b>	\$830,000		
<b>Reference Documents</b>	Southern SSES Rehabilitation – Phase 1 (Agat-Santa Rita-Umatac-Merizo) (BC, 2016)		

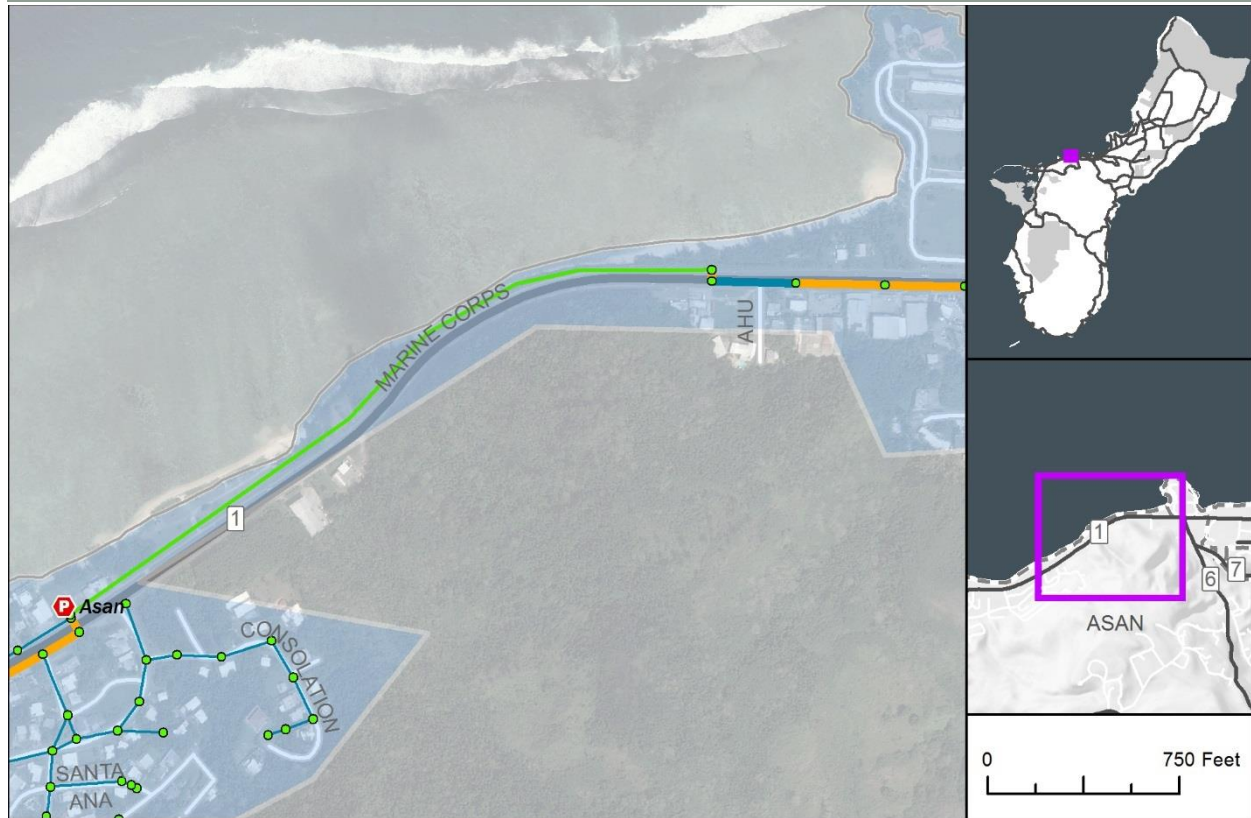


This proposed project is subject to change. Projects will generally include an engineering study, detailed design, and field verification to refine the exact project scope and budget. Costs are presented in 2017 dollars and do not account for increases due to inflation and escalation. See Volume 1, Appendix D for cost estimate assumptions.





Route 1 Asan Force Main Rehabilitation/Replacement			
<b>Project Number</b>	MP-WW-FM-03	<b>Basin</b>	Hagátña
<b>Description</b>	Replace the force main along Route 1 (shown below in green).		
<b>Justification</b>	The force main has been exposed in this location due to erosion along the coastline. The pipe has required spot repairs in the past and a long-term solution is required.		
<b>Proposed Schedule</b>	Begin Design: 2018		
<b>Cost Estimate</b>	\$2.30M		
<b>Reference Documents</b>	WRMPU Volume 3, Section 5.2		



*This proposed project is subject to change. Projects will generally include an engineering study, detailed design, and field verification to refine the exact project scope and budget. Costs are presented in 2017 dollars and do not account for increases due to inflation and escalation. See Volume 1, Appendix D for cost estimate assumptions.*



# EXHIBIT B

CONSOLIDATED COMMISSION ON UTILITIES  
Guam Power Authority | Guam Waterworks Authority  
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

## GWA RESOLUTION NO. 04-FY2021

### **RELATIVE TO APPROVAL OF A CHANGE ORDER FOR A CONSTRUCTION MANAGEMENT CONTRACT FOR PHASE II OF THE ASAN-ADELUP-HAGATNA, ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT PROJECT S15-002-EPA**

**WHEREAS**, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities (“CCU”) has plenary authority over financial, contractual, and policy matters relative to the Guam Waterworks Authority (“GWA”); and

**WHEREAS**, the Guam Waterworks Authority (“GWA”) is a Guam Public Corporation established and existing under the laws of Guam; and

**WHEREAS**, GWA has received a grant from the United States Environmental Protection Agency (“USEPA”) under the State Revolving Fund (“SRF”) program to improve the sewer collection system, which included the gravity sewer line along Route 1, from the Asan “War in the Pacific” National Historical Park to the Agana Main Pump Station; and

**WHEREAS**, the segments of gravity sewer line indicated is deteriorating and has experienced collapses, bellies in the sewer line, offsets, and sections of missing or badly corroded pipe, and the intent of this project is to rehabilitate, repair or replace these sections; and

**WHEREAS**, GWA procured construction management (CM) services through Request for Proposal No. RFP-04-ENG-2017 that included CM services for the Rt.1 Sewer Line Rehabilitation and Replacement Project from Asan to Hagatna; and

**WHEREAS**, due to funding limitations, the full scope of work for construction of the Rt.1 Sewer Rehabilitation and Replacement Project was divided into phases such that Phase I construction was awarded to InfraTech International LLC for Phase I, from Asan to the Asan

1 Pump Station, through Invitation for Re-Bid No. IFB-11-ENG-2017 (GWA Project No. S15-  
2 002-EPA) and Phase II, from the Asan Pump Station to Adelup and toward Hagatna, was  
3 recently advertised through Invitation for Bid no. IFB-06-ENG-2020 (GWA Project No. S15-  
4 002-EPA); and

5  
6 **WHEREAS**, GWA selected Duenas, Camacho & Associates, Inc. (DCA) for the CM  
7 Services, and negotiated with DCA for Phase I in the amount of amount of Eight Hundred  
8 Seventy Thousand Six Hundred Ten Dollars and Forty-One Cents (\$870,610.41); and

9  
10 **WHEREAS**, by Resolution No. 30-FY2018, see Exhibit A, the CCU authorized  
11 awarding the CM services contract to DCA and CM services was contracted to DCA for a  
12 maximum amount of Nine Hundred Fifty-Seven Thousand Six Hundred Seventy-One Dollars  
13 and Forty-Five Cents (\$957,671.45) which included Eighty-Seven Thousand Sixty-One Dollars  
14 and Four Cents (\$87,061.04) for contingencies; and,

15  
16 **WHEREAS**, GWA and USEPA agree that efforts to rehabilitate, repair or replace these  
17 sewer lines are necessary and the proceeding order to accomplish such task is through services  
18 that include construction management; and

19  
20 **WHEREAS**, GWA is preparing to award a contract to the lowest responsive and  
21 responsible bidder under the Phase II IFB; and,

22  
23 **WHEREAS**, GWA requires CM services for Phase II construction and has negotiated a  
24 fair and reasonable fee for such services from DCA under the scope of work advertised under  
25 Request for Proposal No. RFP-04-ENG-2017; and,

26  
27 **WHEREAS**, GWA management is requesting to amend the DCA contract to provide  
28 construction management services for Phase II in the amount of Five Hundred Seventy-One  
29 Thousand Five Hundred Fifty (\$571,550.00), see Exhibit B, including a contingency amount of  
30 Twenty-Eight Thousand Four Hundred Fifty Dollars (\$28,450.00), for a total amount of Six  
31 Hundred Thousand Dollars (\$600,000.00); and,

1           **WHEREAS**, funding for this project will be from the USEPA State Revolving Fund and,  
2 if necessary, GWA Bond funds.

3  
4           **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities  
5 does hereby approve the following:

- 6           1. The recitals set forth above hereby constitute the findings of the CCU.
- 7           2. The CCU finds that the terms of the fee proposal submitted by DCA are fair  
8           and reasonable (See Exhibit B).
- 9           3. The CCU finds that the terms of the conditions set by GWA relative to  
10           commencement of work activities are fair and reasonable and serve as a  
11           measure of Quality Assurance/Quality Control (QA/QC).
- 12           4. The CCU hereby authorizes the management of GWA to execute a Change  
13           Order to the contract with DCA in the amount of Six Hundred Thousand  
14           Dollars (\$600,000.00).
- 15           5. The CCU hereby further approves the total funding for the CM contract with  
16           DCA in the amount of One Million Five Hundred Fifty-Seven Thousand Six  
17           Hundred and Seventy-One Dollars and Forty-Five Cents (\$1,557,671.45).

18  
19           **RESOLVED**, that the Chairman certified, and the Board Secretary attests to the adoption  
20 of this Resolution.

21  
22           **DULY AND REGULARLY ADOPTED**, this 24<sup>th</sup> day of November 2020.

23  
24           Certified by:

                  Attested by:

25  
26           



27           **JOSEPH T. DUENAS**

**MICHAEL T. LIMTIACO**

28           Chairperson

                  Secretary

29           //

30  
31           //

**SECRETARY'S CERTIFICATE**

I, Michael T. Limtiaco, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

AYES: \_\_\_\_\_ 5 \_\_\_\_\_  
NAYS: \_\_\_\_\_ 0 \_\_\_\_\_  
ABSENT: \_\_\_\_\_ 0 \_\_\_\_\_  
ABSTAIN: \_\_\_\_\_ 0 \_\_\_\_\_

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# EXHIBIT A



CONSOLIDATED COMMISSION ON UTILITIES  
Guam Power Authority | Guam Waterworks Authority  
P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

## RESOLUTION NO. 30-FY2018

### RELATIVE TO APPROVAL OF A CONSTRUCTION MANAGEMENT CONTRACT FOR THE ASAN-ADELUP-HAGATNA, ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT PROJECT S15-002-EPA

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**WHEREAS**, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities (“CCU”) has plenary authority over financial, contractual, and policy matters relative to the Guam Waterworks Authority (“GWA”); and

14  
15  
16  
**WHEREAS**, the Guam Waterworks Authority (“GWA”) is a Guam Public Corporation established, and existing under the laws of Guam; and

17  
18  
19  
20  
21  
**WHEREAS**, GWA has received a grant from the United States Environmental Protection Agency (“USEPA”) under the State Revolving Fund (“SRF”) program to improve the sewer collection system, which included the gravity sewer line along Route 1, from the Asan “War in the Pacific” National Historical Park to the Agana Main Pump Station; and

22  
23  
24  
25  
**WHEREAS**, the segments of gravity sewer line indicated is deteriorating and has experienced collapses, bellies in the sewer line, offsets, and sections of missing or badly corroded pipe, and the intent of this project is to rehabilitate, repair or replace these sections; and

26  
27  
28  
29  
**WHEREAS**, GWA procured engineering design services through RFP-02-ENG-2015 that included general civil engineering, geotechnical engineering, and archeological investigation for wastewater collection system evaluation, analysis and detailed design; and

30  
31  
32  
**WHEREAS**, the professional engineering design services have been completed by HDR Engineering, Inc. through contract, which was signed on December 10, 2015, and all rendered design documents have been accepted by GWA in May 2017; and

1  
2           **WHEREAS**, GWA and USEPA agree that efforts to rehabilitate, repair or replace these  
3 sewer lines are necessary and the proceeding order to accomplish such task is through services  
4 that include construction management; and

5  
6           **WHEREAS**, GWA has advertised the Request for Proposal (RFP-04-ENG-2017) dated  
7 March 30, 2017, soliciting statement of qualifications from experienced and qualified  
8 engineering firms to provide construction management services for the ASAN-ADELUP-  
9 HAGATNA, ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT PROJECT;  
10 and

11  
12           **WHEREAS**, RFP packages were downloaded by multiple interested parties, from which  
13 GWA received proposal submittal from eight (8) engineering firms before the RFP submittal  
14 deadline; and

15  
16           **WHEREAS**, the GWA A-E Selection Committee reviewed and evaluated the eight (8)  
17 proposals (see EXHIBIT A-Evaluation Score) and generated a short list of the top three (3) firms  
18 with a recommendation to award a contract to the firm DUENAS, CAMACHO &  
19 ASSOCIATES, INC. ("DCA") and any successor at interest thereto (see EXHIBIT B- GM  
20 Determination); and

21  
22           **WHEREAS**, GWA advertised the initial Invitation to Bid (IFB-06-ENG-2017) for the  
23 construction of this project on May 12, 2017, and received no responsive and responsible  
24 bidders; and

25  
26           **WHEREAS**, GWA advertised a second time, with the Invitation to Re-Bid (IFB-11-  
27 ENG-2017) on October 31, 2017, and again received no responsive and responsible bidders; and

28  
29           **WHEREAS**, Following the second attempt, GWA revised the bid documents and Bid  
30 Form to include two separate, independent Bid Schedules, Bid Schedule A and Bid Schedule B,  
31 with Bid Schedule A being primarily repairs by Cured-In-Place-Pipe installation, and Bid  
32 Schedule B being repairs entirely by Open Cut and Replacement; and

1  
2           **WHEREAS**, GWA advertised the next Invitation to Re-Bid (IFB-05-ENG-2018) on May  
3 4, 2018, with the two revised Bid Schedules; and

4  
5           **WHEREAS**, Bid Schedule A will be opened first, and if bids should be opened and  
6 found to be responsive and responsible, the lowest responsive and responsible bid will be  
7 selected; and

8  
9           **WHEREAS**, if no Contractors submit for Bid Schedule A, Bid Schedule B will then be  
10 opened, and the lowest responsive and responsible bid will be selected from Bid Schedule B; and

11  
12           **WHEREAS**, DCA and GWA negotiated the price for the construction management  
13 services to be provided if either Bid Schedule A or Bid Schedule B is selected; and

14  
15           **WHEREAS**, If Bid Schedule A is selected, the construction management services with  
16 DCA will be in the amount of Six Hundred Eighty-Three Thousand Nine Hundred Thirty-One  
17 Dollars and Thirty-Four Cents (\$683,931.34) on a Time and Materials basis (See EXHIBIT C –  
18 Fee Proposal); and

19  
20           **WHEREAS**, If Bid Schedule B is selected, the construction management services with  
21 DCA will be in the amount of Eight Hundred Seventy Thousand Six Hundred Ten Dollars and  
22 Forty-One Cents (\$870,610.41) on a Time and Materials basis (See EXHIBIT C – Fee Proposal);  
23 and

24  
25           **WHEREAS**, GWA Management seeks approval of the fee proposal for the Scope of  
26 Work relative to the construction Bid Schedule B, which includes construction management,  
27 inspection, and project coordination services during construction of Eight Hundred Seventy  
28 Thousand Six Hundred Ten Dollars and Forty-One Cents (\$870,610.41), plus a ten percent  
29 (10%) contingency of Eighty-Seven Thousand Sixty-One Dollars and Four Cents (\$87,061.04),  
30 for a total amount of Nine Hundred Fifty-Seven Thousand Six Hundred Seventy-One Dollars  
31 and Forty-Five Cents (\$957,671.45); and  
32



1           **WHEREAS**, funding for this project will be from the USEPA State Revolving Fund and,  
2 if necessary, GWA Bond funds applicable to the project; and

3  
4           **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities  
5 does hereby approve the following:

- 6           1. The recitals set forth above hereby constitute the findings of the CCU.  
7           2. The CCU finds that the terms of the fee proposal submitted by Duenas, Camacho  
8           & Associates, Inc. (DCA) are fair and reasonable.  
9           3. The CCU finds that the terms of the conditions set by GWA relative to  
10           commencement of work activities are fair and reasonable and serve as a measure  
11           of Quality Assurance/Quality Control (QA/QC).  
12           4. The CCU hereby authorizes the management of GWA to enter into a contract  
13           with DCA in the amount of Eight Hundred Seventy Thousand Six Hundred Ten  
14           Dollars and Forty-One Cents (\$870,610.41) (EXHIBIT C).  
15           5. The CCU hereby further approves the total funding amount for this project of  
16           Eight Hundred Seventy Thousand Six Hundred Ten Dollars and Forty-One Cents  
17           (\$870,610.41), plus a ten percent (10%) contingency of Eighty-Seven Thousand  
18           Sixty-One Dollars and Four Cents (\$87,061.04), to bring the total authorized  
19           funding amount to a maximum of Nine Hundred Fifty-Seven Thousand Six  
20           Hundred Seventy-One Dollars and Forty-Five Cents (\$957,671.45).

21           **RESOLVED**, that the Chairman certified and the Board Secretary attests to the adoption  
22 of this Resolution.

23 //

24 //

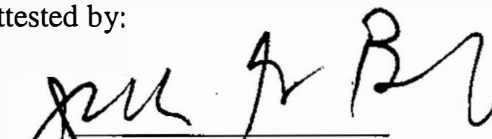
25  
26           **DULY AND REGULARLY ADOPTED**, this 22nd day of May 2018.

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28           Certified by:

29           Attested by:

30 

31           JOSEPH T. DUENAS  
32           Chairperson

30   
31           J. GEORGE BAMBA  
32           Secretary

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### SECRETARY'S CERTIFICATE

I, J. George Bamba, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

AYES: \_\_\_\_\_ 4 \_\_\_\_\_  
NAYS: \_\_\_\_\_ 0 \_\_\_\_\_  
ABSTENTIONS: \_\_\_\_\_ 0 \_\_\_\_\_  
ABSENT: \_\_\_\_\_ 1 \_\_\_\_\_



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# Exhibit A (1 of 2)




## GUAM WATERWORKS AUTHORITY

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

May 19, 2017

To: Thomas F. Cruz, P.E., Chief Engineer

From: Gloria P. Bensaon   
Chairperson, Consultant Selection Board

Subject: RFP-04-ENG-2017  
Construction Management Services for the Asan-Adelup-Hagatna, Route 1  
Sewerline Rehabilitation and Replacement  
GWA Project No. S15-002-EPA

The following information is intended to document the evaluation process undertaken for the referenced solicitation.

EVALUATION COMMITTEE MEMBERS	
Name	Title
Clinton Huntington II	Senior Engineer
Rylma Carino	Junior Engineer
Anthony Chargualaf	Operations Manager
George Watson	Brown & Caldwell, PMO

Consultant	Evaluation Score				Total	Rank
1. AmOrient	85	89	81	75	330	4
2. EMPSCO Engineering Consultants	62	90	86	86	324	5
3. LYON	80	85	80	70	315	7
4. E.M. Chen & Associates, Inc.	77	88	81	70	316	6
5. Duenas, Camacho & Associates	82	92	92	90	356	1
6. TG Engineers, PC	83	91	90	85	349	2
7. Coeval Design Partners	70	84	74	66	294	8
8. AECOM	75	89	86	89	339	3

Scores were evaluated based on sum of the individual scores. The recommendation of the evaluation committee is shown in the ranking above.

Please review and approve at your earliest convenience so that we may proceed with the notification letters.

# Exhibit A (2 of 2)




## GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."

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

### MEMORANDUM

TO: Thomas F. Cruz, P.E., Chief Engineer  
FROM: Gloria P. Bensaon   
SUBJECT: CM Selection  
DATE: May 18, 2017

---

Per our discussion with the General Manager and Legal Counsel on May 15, 2017, the CM selection team reconvened on May 16, 2017 at 2:30 pm to discuss the merits of evaluation for each proposal submitted for the following projects:

1. Asan-Adelup-Hagatna, Route 1 Sewerline Rehabilitation and Replacement
2. Route 2 War in the Pacific National Park Sewerline Rehabilitation and Replacement

Each selection committee reviewed the RFP proposals and reevaluated them based on the predetermined set of criteria. Committee members obtained reasonable, rational and consistent basis for their scores in comparison to the evaluation criteria outlined in the solicitation documents and determined the final ranking of proposers as shown in the attached evaluation summary.

# Exhibit B (1 of 1)


## GUAM WATERWORKS AUTHORITY

"Better Water. Better Lives."

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

### MEMORANDUM

To: Miguel C. Bordallo, P.E., General Manager

From: Thomas F. Cruz, P.E., Chief Engineer 

Subject: RFP-04-ENG-2017  
Construction Management Services for the Asan-Adelup-Hagatna, Route 1  
Sewerline Rehabilitation and Replacement  
GWA Project No. S15-002-EPA

Date: May 19, 2017

The Selection Committee has completed all necessary actions for selecting the most qualified consultant for the referenced solicitation. All proposals were reviewed and scored according to the conditions established in the solicitation. The evaluation summary sheet is attached for your information.

The committee recommends the following top three (3) firms in order of preference for the project:

1. Duenas, Camacho & Associates
2. TG Engineers, PC
3. AECOM

Concurred:

  
VINCENT E. GUERRERO  
Supply Management Administrator

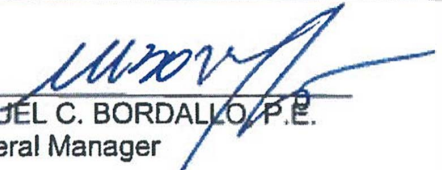
5/22/2017  
Date

### GENERAL MANAGER'S DETERMINATION

Consultant Firm Selected:

DUENAS CAMACHO & ASSOC.

Remarks:

  
MIGUEL C. BORDALLO, P.E.  
General Manager

5.23.17  
Date



# Exhibit C (1 of 9)

Website: [www.dcaguam.com](http://www.dcaguam.com)  
Email: [dca@dcaguam.com](mailto:dca@dcaguam.com)

April 23, 2018

**Guam Waterworks Authority  
Engineering Division, Room 202  
Gloria B. Nelson Public Service Building  
688 Route 15, Mangilao, GU 96913**

Attention: **Mr. Thomas F. Cruz, Chief Engineer, GWA / George Watson, Brown & Caldwell**

Subject: **GWA RFP-04-ENG--2017, Construction Management Services for  
Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and  
Replacement, GWA Project No. S15-002-EPA**

Re: *Revised Fee Proposal Related to Bid Schedules A and B*

Hafa Adai:

**Duenas, Camacho & Associates, Inc.** is pleased to submit this *revised* fee proposal for **GWA RFP-04-ENG-2017, Construction Management Services for Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and Replacement, GWA Project No. S15-002-EPA**. The revisions and updates include the following:

1. Fee estimates for:
  - a. CM Services under Base Bid Schedule A – CIPP Rehabilitation of Existing Sewer Lines  
**Revised Fee Estimate: \$683,931.34 including a \$10,000 Time & Material allowance for Material Testing**
  - b. ~~CM Services under Base Bid Schedule B – Cut and Cover Construction of New Sewer Lines~~  
~~Fee Estimate: — \$654,143.21 including a \$20,000 Time & Material allowance for Material Testing~~  
**Revised estimate for Bid Schedule B attached.**
2. 2018 (current) DCA Personnel Labor and OH Rates
3. A GRT Tax Rate of 5% (recently enacted into law)

Our revised fee estimates for construction management services for each Bid Schedule are supported by the following:

- Detailed Fee Breakdown showing an estimate of effort and expenses
- Exhibit A – Estimated expenses for DCA and CH2M submitted earlier (no change)
- Deletion of Secure Safe Solutions for video surveillance (as requested by GWA)

As indicated in our Proposal submitted in response to the subject RFP, DCA will retain CH2M (our CM Team CIPP Specialist) if a Construction Contract is awarded under Base Bid Schedule A – CIPP Rehabilitation of Existing Sewer Lines. Geo-Engineering & Testing Inc. will provide geotechnical consultation and quality assurance material testing services. The cost for video surveillance by Secure Safe Solutions has been removed at GWA's request.

The estimate of CM effort is based on the following assumptions:

1. The Scope of CM services and tasks as described in the RFP;
2. Base Bid Schedules A and B as described in the amended Bid Form provided to DCA;
3. Project construction duration of 450 calendar days;
4. Full-time resident inspection and supplementary inspection (25% of resident inspection effort for CM Services under Base Bid Schedule A and 50% of resident inspection effort for CM services under Base Bid Schedule B);

## Exhibit C (2 of 9)

April 23, 2018

5. Part-time CM support by our CIPP Specialist from CH2M under Base Bid Schedule A;
6. Current (2018) DCA personnel rates (loaded).

We look forward to negotiations.

Sincerely,

*//Signed*

**JOHN P. DUENAS, P.E.**

President

Enclosures

# Exhibit C (3 of 9)

Consolidated Fee Estimate

## EXHIBIT A - BASE BID SCHEDULE A DCA EXPENSES

DUENAS, CAMACHO & ASSOCIATES, INC MANAGEMENT SERVICES FOR ASAN-ADELUP-HAGATNA ROUTE 1 SEWERLINE				CONSTRUCTION REHABILITATION AND	
CM Inspection Related Expenses		Unit	Quan	Rate	Cost
1	Miscellaneous Expenses	LS			\$ 500.00
2	Mileage (Inspection)	mi	3200	\$ 0.33	\$ 1,161.60
3	Mileage (miscellaneous)	mi	2800	\$ 0.33	\$ 1,016.40
4	Pictures, video, etc.	LS			\$ 250.00
5	Reproduction	LS			\$ 3,500.00
6	Communications, etc.	LS			\$ 500.00
7	Miscellaneous Survey Materials	LS			\$ 250.00
		GRT	5.25%		\$ 376.85
<b>DCA EXPENSES</b>					<b>\$ 7,554.85</b>

## CH2M EXPENSES

CH2M MANAGEMENT SERVICES FOR ASAN-ADELUP-HAGATNA ROUTE 1 SEWERLINE REPLACEMENT, GWA PROJECT NO. S15-002-EPA				CONSTRUCTION REHABILITATION AND	
		Unit	Quan	Rate	Cost
1	Travel expenses for CH2M CIPPSpec Site Visit		3	\$ 3,000.00	\$ 9,000.00
2	Lodging (28 days total)	Days	28	\$ 215.00	\$ 6,622.00
3	Meals	Days	28	\$ 75.00	\$ 2,310.00
4	Rental Car	Days	28	\$ 50.00	\$ 1,540.00
5	Misc. Expenses	Trip	3	\$ 100.00	\$ 330.00
	Subtotal				\$ 19,802.00
<b>CH2M EXPENSES</b>					<b>\$ 19,802.00</b>





## Exhibit C (5 of 9)

Task No.	Task Description	Principal in Charge	Construction Manager	Project Construction Manager	Resident Construction Inspector	Construction Inspector (Supplementary)	Civil Engineer (CM Support)	Structural Engineer (CM Support)	Engineering Technicians (CM Support)	Chief Environmental Scientist	Admin Crew	Chief Surveyor	Subcontractor Assistant (CM Support)	TOTALS	(CM) Project Manager (CM Support)	(CM) Project Engineer (CM Support)	(CM) Administrative Manager (CM Support)	TOTALS	(Principal Construction) Engineer	Staff Engineer	Administrative Assistant	TOTAL		
No. 3	Award 2018 DCA Labor Rules >>>>	195.68	106.80	111.04	78.83	72.81	130.21	77.86	56.09	109.41	188.00	171.13	71.50		208.58	182.50	141.15		179.80	68.88	68.88			
Subcontractors	Expenses	Services			Totals	Reference	ADDITIONAL TIME & MATERIAL COSTS																	
1	CH2M	\$ 19,802.00	\$ 88,548.25	\$ 108,350.25	Exhibit A	COST SUMMARY																		
2	Geobr. Alameda & Testa, Inc. (Consultation)	\$ 3,740.00	\$	\$ 3,740.00	Exhibit B	Item No.	Category of Cost	Estimated Cost	DCALABOR													LUMINA		
3	Secure Safe Solutions (Imports/Installation)	\$	\$	\$	Exhibit B	1	QA Material Testing	\$ 10,000.00	DCA EXPENSES													Subtotal		
Subtotal - Subcontractors		\$ 19,815.00	\$ 92,286.25	\$ 112,090.25																				
Coordination & Handling @ 3.0%		\$	\$ 1,845.77	\$ 2,241.81																				
Subtotal - Subcontractors + DCA Handling		\$	\$ 94,134.02	\$ 114,332.06																				
																		<b>SUBTOTAL</b>		<b>\$ 673,931.34</b>				
																		QA Timing Time & Material Estimated:		\$ 10,000.00				



## Exhibit C (6 of 9)

April 23, 2018

Guam Waterworks Authority  
Engineering Division, Room 202  
Gloria B. Nelson Public Service Building  
688 Route 15, Mangilao, GU 96913

Attention: **Mr. Thomas F. Cruz, Chief Engineer, GWA / George Watson, Brown & Caldwell**

Subject: **GWA RFP-04-ENG--2017, Construction Management Services for Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and Replacement, GWA Project No. S15-002-EPA**

Re: *Revised Fee Proposal Related to Bid Schedule B*

Hafa Adai:

**Duenas, Camacho & Associates, Inc.** is pleased to submit this *revised* fee proposal for **GWA RFP-04-ENG-2017, Construction Management Services for Asan-Adelup-Hagatna Route 1 Sewerline Rehabilitation and Replacement, GWA Project No. S15-002-EPA**. The revisions address the following changes:

1. Fee estimate for CM Services under Base Bid Schedule B – Cut and Cover Construction of New Sewer Lines based on the projected Construction Contract Completion Period from 450 to **650** calendar days.  
**Fee Estimate: \$870,610.41 including a \$20,000 Time & Material allowance for Material Testing**
2. 2018 (current) DCA Personnel Labor and OH Rates
3. A GRT Tax Rate of 5% (recently enacted into law)

Our revised fee estimate for construction management services for Base Bid Schedule B is supported by the attached detailed fee breakdown showing an estimate of effort and expenses for a construction period of 650 calendar days and the *deletion* of Secure Safe Solutions for video surveillance (as requested by GWA). Geo-Engineering & Testing Inc. will provide geotechnical consultation and quality assurance material testing services.

The estimate of CM effort is based on the following assumptions for Base Bid Schedule B:

1. The Scope of CM services and tasks as described in the RFP;
2. Base Bid Schedule B as described in the amended Bid Form provided to DCA;
3. Revised projected construction duration of from 450 to 650 calendar days;
4. Full-time resident inspection and supplementary inspection of 50% of the resident inspection effort;
5. Current (2018) DCA personnel rates (loaded).

We look forward to negotiations.

Sincerely,

*//Signed*

**JOHN P. DUENAS, P.E.**

President

Enclosures

# Exhibit C(7 of 9)

## EXHIBIT A - BASE BID SCHEDULE B

### DCA EXPENSES

DUENAS, CAMACHO & ASSOCIATES, INC					
CONSTRUCTION MANAGEMENT SERVICES FOR ASAN-ADELUP-HAGATNA ROUTE 1 SEWERLINE					
CM Inspection Related Expenses		Unit	Quan	Rate	Cost
1	Miscellaneous Expenses	LS			\$ 500.00
2	Mileage (Inspection)	mi	4650	\$ 0.33	\$ 1,687.95
3	Mileage (miscellaneous)	mi	3150	\$ 0.33	\$ 1,143.45
4	Pictures, video, etc.	LS			\$ 250.00
5	Reproduction	LS			\$ 3,500.00
6	Communications, etc.	LS			\$ 500.00
7	Miscellaneous Survey Materials	LS			\$ 500.00
		GRT	5.25%		\$ 424.27
				<b>DCA EXPENSES</b>	<b>\$ 8,505.67</b>

### CH2M EXPENSES

CH2M					
CONSTRUCTION MANAGEMENT SERVICES FOR ASAN-ADELUP-HAGATNA ROUTE 1 SEWERLINE REHABILITATION AND REPLACEMENT, GWA PROJECT NO. S15-002-EPA					
		Unit	Quan	Rate	Cost
1	Travel expenses for CH2M CIPPSpec Site Visit		0	\$ 3,000.00	\$ -
2	Lodging (28 days total)	Days	0	\$ 215.00	\$ -
3	Meals	Days	0	\$ 75.00	\$ -
4	Rental Car	Days	0	\$ 50.00	\$ -
5	Misc. Expenses	Trip	0	\$ 100.00	\$ -
	Subtotal				\$ -
				<b>CH2M EXPENSES</b>	<b>\$ -</b>







November 6, 2020

Miguel C. Bordallo, P.E.  
General Manager, Guam Waterworks Authority  
Gloria B. Nelson Public Service Building  
688 Route 15  
Mangilao, Guam, 96913

Attn: John Riegel P.E., Brown & Caldwell Project Manager

Subject: **RFP 04-ENG-2017, GWA S15-002-EPA, Asan-Adelup-Hagatna – Route 1 Sewer Rehabilitation and Replacement**

Ref: **Change Order for Construction Management Services for the Asan-Adelup-Hagatna – Route 1 Sewer Rehabilitation and Replacement – Phase II**

Hafa Adai Mr. Riegel,

At the request of GWA, Duenas, Camacho and Associates (DCA) is submitting this change order proposal for the referenced services. This change order is intended to provide services for Phase II of the subject project in accordance with DCA's construction management services contract with GWA dated July 31, 2018. The construction duration used for this proposal is 425 calendar days. The fee for this change order proposal is: **\$571,550.**

Sincerely,

Kenneth M. Rekdahl, P.E.  
Vice-President  
Dueñas, Camacho & Associates, Inc.

Att:  
Fee Breakdown





## Duenas, Camacho and Assocait

### Option 1

Year 1

ACV: 4.2 million

Name	Price
Project Management Pro	\$7,925
Quality & Safety	\$2,510
<b>Total</b>	<b>\$10,435</b>

Total Price: **\$10,435**

$\$10,435 / 4.2 =$   
 $\$2,484 \text{ per } \$1\text{M}$   
 $\$2,484 \times 6\text{M} =$   
 $\$14,904$

### Option 2

Year 1

ACV: 4.2 million

Name	Price
Project Management Pro	\$6,700
Quality & Safety	\$2,250
<b>Total</b>	<b>\$8,950</b>

Total Price: **\$8,950**

FYI, this amount was if the contract was executed earlier this year

# Procore Products

Connect the entire business process from bidding to closeout with every member of your team working together in the same system.

## TOOLS INCLUDED WITH ALL PRODUCTS\*

### DIRECTORY

Everyone's digits, under the control of yours.

### TASKS

Track and manage every coordination-related step in your process.

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When documents go digital, nothing gets lost.

### REPORTS

Insights to help you analyze every detail.

### APP MARKETPLACE

With over 150 partner solutions in our App Marketplace, connect with what works best for you—even if we don't build it.

\* Excluding Invoice Management, Design Coordination and BIM.

## PROJECT MANAGEMENT

### Project Management Pro

#### RFIs

RFI software to remind, record, and remove excuses.

#### DAILY LOG

Capture everything you need to report to the office.

#### DRAWINGS

Revisions won't need markers, scissors, sticky notes, or tape.

#### TIMECARD

Fast time tracking for the project management team.

#### SUBMITTALS

Don't let inaccuracy sink your projects.

#### MEETINGS

Manage all aspects of your project meetings.

#### PUNCH LIST

Streamline construction with punch list software.

#### PHOTOS

Capture your questions, skills, and results in a snap.

#### SPECIFICATIONS

Intelligent Spec Management—save time while doing more.

#### SCHEDULE

Minimize confusion with integrated scheduling.

#### EMAILS

Open your inbox to everything you need to know.

#### TRANSMITTALS

Don't lose sleep over your important documents.

\*Project Management Starter is also available - includes RFIs, Daily Log, Drawings, Punch List, Photos and Specifications.



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— PROJECT MANAGEMENT —

## Quality & Safety

### **INSPECTIONS**

Proactively identify hazards before they injure more than your reputation.

### **OBSERVATIONS**

Track, assign, and report upon multiple types of observations and corrective actions on the fly.

### **INCIDENTS**

Digitally capture and manage incidents easily and accurately.

### **DAILY LOG**

Capture everything you need to report to the office.

### **FORMS**

Simple to complex fillable PDF forms at your fingertips.

### **SCHEDULE**

Minimize confusion with integrated scheduling.

### **PHOTOS**

Capture your questions, skills, and results in a snap.

## Design Coordination

### **COORDINATION ISSUES**

Identify and resolve constructability issues prior to construction.

## BIM

### **MODELS**

Extremely performant BIM viewer.

---

— FINANCIAL MANAGEMENT\* —

## Project Financials

### **COMMITMENTS**

Real-time statuses and values of all contracts and purchase orders.

### **CHANGE EVENTS**

The new standard in construction for managing potential costs as they occur.

### **BUDGETS**

Avoid profit erosion with accurate, configurable budgets.

### **CHANGE ORDERS**

Reduce unrecoverable change orders with quicker approvals.

### **PRIME CONTRACT**

Replace stacks of paper and printing costs with digital contract management.

### **COST MANAGEMENT**

Avoid the price of being over budget with cost management.

## Invoice Management

### **OWNER INVOICING**

Prefill owner invoices with approved subcontractor invoices.

\*Accounting Integrations available - additional fees apply.

### **SUBCONTRACTOR INVOICING**

Empower the trades to be proactive about monthly invoices.

---

— PRECONSTRUCTION —

 **Prequalification**

**PREQUALIFICATIONS**

Manage the entire qualification process from forms to approvals.

**PREQUALIFICATION PORTAL**

Complete and submit qualification forms on a secure online platform.

 **Bid Management**

**BIDDING**

Manage the entire bidding process from bid package creation to bid award.

**PLANROOM**

Access bid package details, files, and communications in order to submit a bid.

---

— RESOURCE MANAGEMENT —

 **Field Productivity**

**TIMESHEETS**

Track employee and crew time for all projects on mobile or web.

**T&M TICKETS**

Document and track out-of-scope work to get paid for everything you do.

**CREWS**

Add, group, and edit crews—with one mobile, flexible tool.

**TIMECARD**

Fast time tracking for the project management team.

**PRODUCTION TRACKING**

Compare budgeted versus actual quantities to see percentage complete against each cost code.

---

— PLATFORM —

 **Analytics**

**PROCORE ANALYTICS**

Leverage Analytics to turn project data into business insight.

**DATA EXTRACT**

Extract and combine data from Procore and across your tech stack.