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

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 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

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

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

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

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

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

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

WHEREAS, Following the second attempt, GWA revised the bid documents and Bid Form to include two separate, independent Bid Schedules, Bid Schedule A and Bid Schedule B, with Bid Schedule A being primarily repairs by Cured-In-Place-Pipe installation, and Bid Schedule B being repairs entirely by Open Cut and Replacement; and
WHEREAS, GWA advertised the next Invitation to Re-Bid (IFB-05-ENG-2018) on May 4, 2018, with the two revised Bid Schedules; and

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

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

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

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

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

WHEREAS, GWA Management seeks approval of the fee proposal for the Scope of Work relative to the construction Bid Schedule B, which includes construction management, inspection, and project coordination services during construction of Eight Hundred Seventy Thousand Six Hundred Ten Dollars and Forty-One Cents ($870,610.41), plus a ten percent (10%) contingency of Eighty-Seven Thousand Sixty-One Dollars and Four Cents ($87,061.04), for a total amount of Nine Hundred Fifty-Seven Thousand Six Hundred Seventy-One Dollars and Forty-Five Cents ($957,671.45); and
WHEREAS, funding for this project will be from the USEPA State Revolving Fund and, if necessary, GWA Bond funds applicable to the project; and

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

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

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

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

Certified by: 

Attested by: 

JOSEPH T. DUENAS  
Chairperson  

J. GEORGE BAMBA  
Secretary
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:  

NAYS:  

ABSTENTIONS:  

ABSENT:  

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May 19, 2017

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

From: Gloria P. Bensan, 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>Clinton Huntington II</td>
<td>Senior Engineer</td>
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<tr>
<td>Rylma Carino</td>
<td>Junior Engineer</td>
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<tr>
<td>Anthony Chargualaf</td>
<td>Operations Manager</td>
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<td>George Watson</td>
<td>Brown &amp; Caldwell, PMO</td>
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<td>85 89 81</td>
<td>75</td>
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<td>2. EMPSCO Engineering Consultants</td>
<td>62 90 86</td>
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<td>3. LYN</td>
<td>80 85 70</td>
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<td>4. E.M. Chen &amp; Associates, Inc.</td>
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<td>5. Duenas, Camacho &amp; Associates</td>
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<td>6. TG Engineers, PC</td>
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<td>7. Coeval Design Partners</td>
<td>70 84 74</td>
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<td>8. AECOM</td>
<td>75 89 86</td>
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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.
MEMORANDUM

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

FROM: Gloria P. Bensari

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.
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

GENERAL MANAGER’S DETERMINATION

Consultant Firm Selected:

Duenas, Camacho & Associates

Remarks:

MIGUEL C. BORDALLO, P.E.
General Manager

Date
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.  
   c. 2018 (current) DCA Personnel Labor and OH Rates  
   d. 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).
5. Part-time CM support by our CIPP Specialist from CH2M under Base Bid Schedule A;

We look forward to negotiations.

Sincerely,

//Signed
JOHN P. DUENAS, P.E.
President
Enclosures
### EXHIBIT A - BASE BID SCHEDULE A

**DCA EXPENSES**

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<tr>
<th>CM Inspection Related Expenses</th>
<th>Unit</th>
<th>Quan</th>
<th>Rate</th>
<th>Cost</th>
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<td>7 Miscellaneous Survey Materials</td>
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**DCA EXPENSES** $7,554.85

### CH2M EXPENSES

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<th>CONSTRUCTION REHABILITATION AND</th>
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<td>2 Lodging (28 days total)</td>
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<td>5 Misc. Expenses</td>
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**Subtotal** $19,802.00

**CH2M EXPENSES** $19,802.00
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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;  

We look forward to negotiations.

Sincerely,

//Signed  
JOHN P. DUENAS, P.E.  
President

Enclosures
### Exhibit A - Base Bid Schedule B

#### DCA Expenses

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<th>CM Inspection Related Expenses</th>
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**DCA Expenses**

$8,505.67

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#### CH2M Expenses

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**CH2M Expenses**

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</tr>
</tbody>
</table>

**Exhibit C (9 of 9)**

| Task No. | Task Description | Percent of Change | Initial Estimate | Initial Estimate FTEs | Init. Budget | Init. Budget FTEs | Init. Budget % | Init. Budget $ | Init. Budge $ Econ. 8 | Init. Budget $ Econ. 8 FTEs | Init. Budget % Econ. 8 | Init. Budget $ Econ. 8 FTEs | Init. Budget $ Econ. 8 | Init. Budget $ Econ. 8 FTEs | Init. Budget % Econ. 8 | Init. Budget $ Econ. 8 FTEs | Init. Budget $ Econ. 8 | Init. Budget $ Econ. 8 FTEs | Init. Budget % Econ. 8 | Init. Budget $ Econ. 8 FTEs | Init. Budget $ Econ. 8 | Init. Budget $ Econ. 8 FTEs | Init. Budget % Econ. 8 | Init. Budget $ Econ. 8 FTEs |
|----------|-----------------|------------------|-----------------|-----------------|--------------|-----------------|----------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|          |                 |                  |                 |                 |              |                 |                |               |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|          |                 |                  |                 |                 |              |                 |                |               |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |

**Subtotal** $950,550.15

**Total** $970,120.15