

**PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS**

**AGENDA ITEM SUMMARY**

**Meeting Date:**        **April 18, 2023**

**Consent [X]**  
**Public Hearing [ ]**

**Regular [ ]**

**Department:**        **Water Utilities Department**

**I. EXECUTIVE BRIEF**

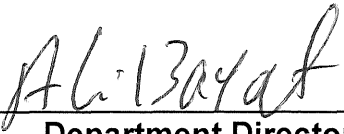
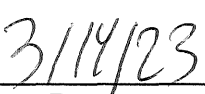
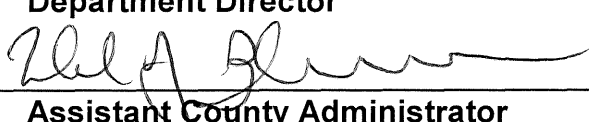
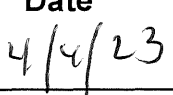
**Motion and Title:** **Staff recommends motion to approve:** Supplement No. 1 to the Consultant Services Authorization (CSA) No. 2 to the Consulting/Professional Services Master Lift Station (LS) and Repump Improvements (Contract) with AECOM Technical Services, Inc., (Consultant) for the LS 5015 Conversion to Repump (Project) for a not to exceed amount of \$131,900.06.

**Summary:** On April 20, 2021, the Board of County Commissioners approved the Palm Beach County Water Utilities Department (PBCWUD) Contract (R2021-0508) with Consultant. Supplement No. 1 to CSA No. 2 provides for engineering services including development of flow design conditions, revisions of project design based on the relocation of the proposed site and the design of an emergency bypass system at the station. The Contract was procured under the requirements of the Equal Business Opportunity Ordinance. On July 1, 2020, the Goal Setting Committee applied an Affirmative Procurement Initiative (API) of a minimum mandatory 20% Small Business Enterprise (SBE) subcontracting goal and an evaluation preference for up to 15 points based upon the relative level of dollar participation by certified African American owned firms. The Contract provides for 31.00% SBE participation, which includes 19.00% MBE participation, 17.00% MBE (B), and 2.00% MBE (A). Supplement No. 1 includes 5.49% SBE participation, which includes 0.00% MBE participation, 0.00% MBE (B), and 0.00% MBE (A). The cumulative SBE participation including Supplement No. 1 is 23.04% SBE participation, which includes 15.42% MBE participation, 15.42% MBE (B), and 0.00% MBE (A). While Consultant is headquartered in Los Angeles, California, they maintain an office in Palm Beach County from which the majority of the work under this Supplement will be performed. The Project is included in the PBCWUD FY23 budget. (PBCWUD Project No. 21-062) District 2 (MWJ)

**Background and Justification:** LS No. 5015 conveys wastewater from residents and businesses in the City of Greenacres and unincorporated Palm Beach County. The lift station has equipment that has reached the end of their useful life. The work to be completed under this Project will include the installation of a new LS No. 5015 and associated force main modifications. The lift station arrangement will be converted from a wet well station to a repump station. The new repump station arrangement will reduce energy consumption, reduce operations and maintenance workload, and improve the long-term operability and reliability of the wastewater collection system. This Supplement No. 1 will provide for the analysis of flow and pressure data to determine hydraulic design conditions; design of the installation of three (3) more reliable Doppler portable flow meters, bi-weekly site visits to collect data, the calculation of compensating storage resulting from partially filling in the canal, and permitting with City of Greenacres, South Florida Water Management District, and Florida Department of Environmental Protection.

**Attachments:**

1. Two (2) Originals of Supplement No. 1 to Consultant Services Authorization No. 2
2. Location Map
3. Ebix Compliance Summary Report

|                 |   |  |
|-----------------|---|--|
| Recommended By: | <br><b>Department Director</b>             | <br><b>Date</b> |
| Approved By:    | <br><b>Assistant County Administrator</b> | <br><b>Date</b> |

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

| Fiscal Years                            | 2023      | 2024 | 2025 | 2026 | 2027 |
|---|-----------|------|------|------|------|
| Capital Expenditures                    | \$131,901 | 0    | 0    | 0    | 0    |
| Operating Costs                         | 0         | 0    | 0    | 0    | 0    |
| External Revenues                       | 0         | 0    | 0    | 0    | 0    |
| Program Income (County)                 | 0         | 0    | 0    | 0    | 0    |
| In-Kind Match County                    | 0         | 0    | 0    | 0    | 0    |
| NET FISCAL IMPACT                       | \$131,901 | 0    | 0    | 0    | 0    |
| # ADDITIONAL FTE POSITIONS (Cumulative) | 0         | 0    | 0    | 0    | 0    |

Budget Account No.: Fund 4011 Dept 721 Unit W031 Object 6546

Is Item Included in Current Budget? Yes X No

Does this item include the use of federal funds? Yes No X

Reporting Category N/A

B. Recommended Sources of Funds/Summary of Fiscal Impact:

One (1) time expenditure from user fees, connection fees and balance brought forward.

C. Department Fiscal Review: Ivory Bruton GE

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comments:

For review 3/22/23  
APD 3/22/23 OFMB  
Mr. J. [Signature] 3/27/23  
Contract Development and Control  
for 3/23/23

B. Legal Sufficiency:

[Signature] 3/29/23  
Assistant County Attorney

C. Other Department Review:

Department Director

This summary is not to be used as a basis for payment.



SUPPLEMENT NO. 1  
CONSULTANT SERVICES AUTHORIZATION NO. 2  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
*MASTER LIFT STATION AND REPUMP IMPROVEMENTS*  
Resolution No. R2021-0508 Contract Dated April 20, 2021

**Project Title:** Lift Station 5015 Conversion to Repump

**PBCWUD Project No.:** 21-062

5. SBE participation is included in **ATTACHMENT C** under this Authorization. The attached Schedule 1 defines the SBE applied to this Authorization and Schedule 2 establishes the SBE contribution from each Sub-Consultant (Letter of Intent).
6. This Authorization does not amend, change, or modify the Contract dated April 20, 2021 which remains in full force and effect.
7. All Attachments to this Authorization are incorporated herein and made a part of this Consultant Services Authorization.

SUPPLEMENT NO. 1  
CONSULTANT SERVICES AUTHORIZATION NO. 2  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
**MASTER LIFT STATION AND REPUMP IMPROVEMENTS**  
Resolution No. R2021-0508 Contract Dated April 20, 2021

**Project Title:** Lift Station 5015 Conversion to Repump

**PBCWUD Project No.:** 21-062

IN WITNESS WHEREOF, this Authorization is accepted, subject to the terms, conditions and obligations of the aforementioned Contract.

PALM BEACH COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA

Joseph Abruzzo, Clerk of the Circuit Court  
& Comptroller, Palm Beach County

Palm Beach County, Board  
of County Commissioners

ATTEST:

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Typed Name: \_\_\_\_\_  
Deputy Clerk

*Del*  
*11/3*  
Gregg Weiss, Mayor  
\_\_\_\_\_  
(Date)

Approved as to Form and Legal  
Sufficiency

AECOM Technical Services, Inc.  
(Consultant)

Signed: \_\_\_\_\_

Karen Brandon  
(Print Name)

Typed Name: Michael W. Jones  
County Attorney

*Karen Brandon*  
\_\_\_\_\_  
(Signature)

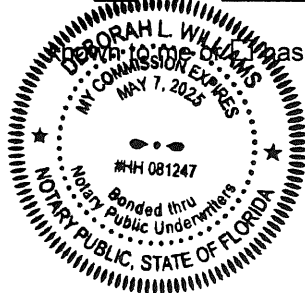
Associate Vice President/Authorized Signatory  
(Title)

3/21/23  
\_\_\_\_\_  
(Date)

STATE OF FLORIDA  
COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization,  
this 21<sup>st</sup> day of March, 2023, by Karen Brandon who is ☒ personally

\_\_\_\_\_ as produced \_\_\_\_\_ as identification.



*Deborah L. Williams*  
\_\_\_\_\_  
(Signature of Notary Public - State of Florida)

\_\_\_\_\_  
(Print, Type, or Stamp Commissioned Name of Notary Public)



AECOM Technical Services, Inc. 213.593.8100 tel  
300 South Grand Avenue 213.593.8730 fax  
9<sup>th</sup> Floor  
Los Angeles, CA 90071  
www.aecom.com

## SECRETARY'S CERTIFICATE


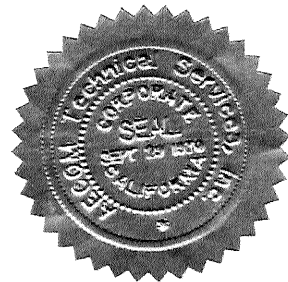
### **AECOM TECHNICAL SERVICES, INC. a California corporation**

I, Armond Tatevossian, DO HEREBY CERTIFY that I am a duly elected and acting Secretary of AECOM Technical Services, Inc., a corporation organized under the laws of the State of California ("ATS" or "Corporation"), and the keeper of its records and corporate seal.

I FURTHER CERTIFY that ATS's full legal address is c/o CT Corporation System, 818 West 7<sup>th</sup> Street, Los Angeles, CA 90017-0000 and that the Corporation's principal place of business is 300 South Grand Avenue, 9<sup>th</sup> Floor, Los Angeles, California 90071.

I FURTHER CERTIFY that pursuant to the Written Consent of the Board of Directors of ATS, adopted on October 25, 2022, and attached hereto as Exhibit A, Karen Brandon has signatory authority for ATS and is authorized to execute contracts and other documents on behalf of the Corporation.

IN WITNESS WHEREOF, I have subscribed my name and affixed the seal of the Corporation, this 17<sup>th</sup> day of November, 2022.

  
\_\_\_\_\_  
Armond Tatevossian  
Secretary

**UNANIMOUS ACTION OF THE BOARD OF DIRECTORS  
OF  
AECOM TECHNICAL SERVICES, INC.**

The undersigned, being all the members of the Board of Directors of AECOM TECHNICAL SERVICES, INC. (the "Corporation"), a California corporation, hereby take the following action:

**RESOLVED:** RESOLVED: That, "the following U.S. based persons are designated with authority by the Board of Directors to execute contracts and other legal documents on behalf of the Corporation within the boundaries of specific Regions and Business Lines as noted and effective as of the dates set forth below."

Effective October 25, 2022:

| Last Name | First Name | Region | Business Line |
|-----------|------------|--------|---------------|
| Brandon   | Karen      | East   | Water         |

SUPPLEMENT NO. 1  
CONSULTANT SERVICES AUTHORIZATION NO. 2  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
*MASTER LIFT STATION AND REPUMP IMPROVEMENTS*  
Resolution No. R2021-0508 Contract Dated April 20, 2021

**LIST OF ATTACHMENTS**

|                     |  |
|---------------------|--|
| <b>ATTACHMENT A</b> | Scope of Services  |
| <b>ATTACHMENT B</b> | Summary and Status of Consultant Services Authorizations |
| <b>ATTACHMENT C</b> | OEBO Schedules 1 and 2                                   |
| <b>ATTACHMENT D</b> | Project Schedule   |
| <b>ATTACHMENT E</b> | Budget Summary   |
| <b>ATTACHMENT F</b> | Summary of SBE-M/WBE Business Tracking                   |
| <b>ATTACHMENT G</b> | Location Map   |



# ATTACHMENT A

## SCOPE OF SERVICES

**PBCWUD Project No.:** 21-062

**Project Title:** Lift Station 5015 Conversion to Repump

AECOM Technical Services, Inc. (CONSULTANT) shall perform:

### SCOPE OF SERVICES

The task structure for engineering and design delivery of the work by the CONSULTANT is anticipated to be as follows:

#### Supplement Scope of Services

##### **TASK 1 - Project Initiation and Management**

This task includes a continuation of project management services for the extended duration of the contract. Services include project reporting, coordination and communications.

##### **TASK 2 - Existing Conditions and Field Investigations**

###### **Subtask 2.2 - Topographic Survey and Subsurface Utility Investigation**

This task includes additional engineering field investigations to support electrical equipment design revisions.

###### **Subtask 2.4 – Supervisory Control and Data Acquisition (SCADA) Flow Data Analysis**

1. CONSULTANT was instructed to analyze flow and pressure data provided by PBCWUD in order to determine hydraulic design conditions. This task includes two (2) meetings with PBCWUD, data collection, data analysis, and updating the Preliminary Design Report (PDR) to reflect the changes.

###### **Subtask 2.5 – Flow Meter Installation and Removal**

1. CONSULTANT was directed to install a Doppler portable flow meter on each of the three (3) LS5015 pump discharge force mains after it was determined that previously provided SCADA data was unreliable. This task includes one (1) site visit to determine the best location for placement of the flow meters. This task also includes two (2) site visits to install, calibrate, and remove the flow meters, as well as travel time for picking up the flow meters at Pine Environmental in Fort Lauderdale, Florida.

###### **Subtask 2.6 – Flow Meter Data Collection Site Visits**

1. This task includes bi-weekly site visits to download data from the Doppler flow meters to ensure recordings did not stop due to a full storage log.

###### **Subtask 2.7 – Flow Data Analysis and Design Condition Verification**

1. This task includes the analysis of recorded data to establish minimum, average, and peak hour hydraulic design conditions for the current operation of LS5015. This task includes three (3) iterations of data analysis and verification of pump selection as requested by PBCWUD based on input of operations knowledge.

###### **Subtask 2.8 – Sub-Basin Growth Projects**

1. This task includes evaluation of the LS5015 sub-basin for overall population growth, areas currently on septic systems, and areas of potential future development, and the projected impact on future hydraulic conditions.

### **TASK 3 - Design Delivery and Permitting**

#### **Subtask 3.1.1 – Revisions due to Hydraulic Design Conditions**

1. CONSULTANT was directed by PBCWUD to detail the flow meter data analysis, growth projections, current and future hydraulic design conditions, and resulting pump selection in a revision of the LS5015 PDR.

#### **Subtask 3.1.2 – Revisions due to Proposed Easement Relocation**

1. **Design Revisions:** This task includes one (1) meeting with PBCWUD to discuss and confirm the relocation of the proposed LS5015 easement, revision of the 30% design to relocate the project and accommodate design constraints of the relocated easement, and update the Opinion of Probable Construction Cost (OPCC) related to the redesign.

#### **Deliverables:**

1. Revised PDR
2. Revised Opinion of Probable Construction Costs
3. Revised 30% Design Drawings

#### **Subtask 3.6 – Emergency Bypass Design and Permitting**

1. **Field Coordination:** This task includes early field coordination for underground utility locations, initial alignment of new piping, and location of bypass connections. This task also includes two (2) site visits to adjust design for utility conflicts found during trenching.
2. **Design Documents:** This task includes design drawing development and revisions to the design based on uncovered utility conflicts to provide bypass connections that accommodate both the immediate need for emergency bypass and future bypass needs once the planned improvements to LS5015 have been constructed. This task also includes coordination and discussions with PBCWUD to incorporate end user and contractor input.
3. **Permitting:** This task includes coordination with the Florida Department of Environmental Protection (FDEP) and the City of Greenacres to determine permitting requirements. FDEP does not require a permit for this work, however, this task includes document preparation and support to obtain permitting from the City of Greenacres.

#### **Deliverables:**

1. Design drawings and support documents for permitting from the City of Greenacres

#### **Subtask 3.7 – Canal Modification Design and Permitting**

**Subtask 3.7.1 – Field Inspection:** This task includes a site inspection to review the canal downstream of LS5015 to determine if there are any other outfalls into the canal that may be impacted by expanding the canal width to provide compensating storage for filling in the upstream end of the canal.

**Subtask 3.7.2 – Compensating Storage Calculations:** Calculate the fill impact in cubic yards between the water table and the 100-year stage per the South Florida Water Management District's (SFWMD) C-51 Basin Criteria. Design the required "cut" in order to provide compensating storage volume.

**Subtask 3.7.3 – Permitting:** This task includes coordination with the City of Greenacres, SFWMD and FDEP (404 permitting) to determine permitting requirements. Preparation of permit sketches and application packages and responses to one (1) Request for Additional Information.

**Subtask 3.7.4 – Plan Revisions:** This task includes revisions to Civil Design drawings to incorporate canal “cut” revisions.

**Deliverables:**

1. Revised drawings and details for canal modifications
2. Permit sketches and application packages for City of Greenacres, SFWMD and FDEP (404) permits.

## ATTACHMENT B

## SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

[illegible]

**ATTACHMENT C**

**OEBO SCHEDULE 1**

Office of Equal Business Opportunity Compliance Programs

OEBO SCHEDULE 1

SOLICITATION/PROJECT/BID NAME: Lift Station 5015 Conversion to Repump

SOLICITATION/PROJECT/BID NO.: 21-062

October 7, 2020

Palm Beach County Water Utilities Department

SOLICITATION OPENING/SUBMITTAL DATE: \_\_\_\_\_

COUNTY DEPARTMENT: \_\_\_\_\_

**Section A**

PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT\* ON THE PROJECT:

AECOM Technical Services, Inc.

2090 Palm Beach Lakes Blvd., Suite 600, West Palm Beach, Florida 33409

NAME OF PRIME RESPONDENT/BIDDER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CONTACT PERSON: Karen Brandon, PE

PHONE NO.: 561-515-3907

E-MAIL: karen.brandon@aecom.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: \$106,134.58

Non-SBE

MBE

WBE

SBE

\*SMWBE Prime's must include their percentage or dollar amount in the Total Participation line under section B.

☒

☐

☐

☐

**Section B**

PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT BELOW:

| Subcontractor/Sub consultant Name           | (Check all Applicable Categories)   |                          |                          |                                     | <u>DOLLAR AMOUNT OR PERCENTAGE OF WORK</u> |          |       |            |       |             |
|---|-------------------------------------|--------------------------|--------------------------|-------------------------------------|--|----------|-------|------------|-------|-------------|
|   |                                     | <u>MBE</u>               | <u>WBE</u>               | <u>SBE</u>                          | Black                                      | Hispanic | Women | Caucasian  | Asian | Other       |
|   | <u>Non-SBE</u>                      | Minority Business        | Women Business           | Small Business                      |  |          |       |            |       |             |
| 1. Mock, Roos & Associates, Inc.            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | _____                                      | _____    | _____ | _____      | _____ | \$18,520.48 |
| 2. C & W Engineering, Inc.                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____                                      | _____    | _____ | \$7,245.00 | _____ | _____       |
| 3.  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | _____                                      | _____    | _____ | _____      | _____ | _____       |
| 4.  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | _____                                      | _____    | _____ | _____      | _____ | _____       |
| 5.  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | _____                                      | _____    | _____ | _____      | _____ | _____       |
| (Please use additional sheets if necessary) |                                     |                          |                          |                                     | 0.00                                       | 0.00     | 0.00  | \$7,245.00 | 0.00  | \$18,520.48 |
| Total                                       |                                     |                          |                          |                                     |  |          |       |            |       |             |

Total Bid/Offer Price \$ 131,900.06

Total Certified S/M/WBE Participation \$ \$7,245.00

I hereby certify that the above information is accurate to the best of my knowledge: Karen Brandon

Karen Brandon

Associate Vice President

Name & Authorized Signature

Title

- Note:
1. The amount listed on this form for a Subcontractor/sub consultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.

2. Only those firms certified by Palm Beach County at the time of solicitation due date are eligible to meet the established OEBO Affirmative Procurement Initiative (API). Please check the applicable box and list the dollar amount or percentage under the appropriate demographic category.

3. Modification of this form is not permitted and will be rejected upon submittal.

**ATTACHMENT C**

**OEBO SCHEDULE 2**

Office of Equal Business Opportunity Compliance Programs

Revised 12/06/2021

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 21-062

SOLICITATION/PROJECT NAME: Lift Station 5015 Conversion to Repump

Prime Contractor: AECOM Technical Services, Inc. Subcontractor: C & W Engineering, Inc.

(Check box(s) that apply)

☒ SBE ☐ WBE ☐ MBE ☐ M/WBE ☐ Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 1/9/23-1/8/26

The undersigned affirms they are the following (select one from each column if applicable):

Column 1

Column 2

Column 3

☒ Male ☐ Female ☐ African-American/Black ☐ Asian American ☒ Caucasian American ☐ Supplier ☐ Hispanic American ☐ Native American

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

| Line Item | Item Description       | Unit Price | Quantity/ Units | Contingencies/ Allowances | Total Price/Percentage |
|-----------|------------------------|------------|-----------------|---------------------------|------------------------|
|           | Mechanical Engineering |            |                 |                           | \$7,245.00             |
|           |                        |            |                 |                           |                        |
|           |                        |            |                 |                           |                        |
|           |                        |            |                 |                           |                        |
|           |                        |            |                 |                           |                        |
|           |                        |            |                 |                           |                        |

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$7,245.00

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant

Price or Percentage:

AECOM Technical Services, Inc.

Print Name of Prime

By: Karen Brandon  
Authorized Signature

Karen D. Brandon, PE

Print Name

Associate Vice President

Title

Date: 02/01/2023

C & W Engineering, Inc.

Print Name of Subcontractor/subconsultant

By: Michael Guida  
Authorized Signature

Michael Guida, PE

Print Name

President

Title

Date: 02/01/2023



OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 21-062  
SOLICITATION/PROJECT NAME: Lift Station 5015 Conversion to Repump

Prime Contractor: AECOM Technical Services, Inc. Subcontractor: Mock, Roos & Associates, Inc.  
(Check box(s) that apply)

☐SBE ☐WBE ☐MBE ☐M/WBE ☒Non-S/M/WBE Date of Palm Beach County Certification (if applicable): N/A

The undersigned affirms they are the following (select one from each column if applicable):

Column 1 Column 2 Column 3  
☒Male ☐Female ☐African-American/Black ☐Asian American ☒Caucasian American ☐Supplier  
☐Hispanic American ☐Native American

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

| Line Item   | Item Description   | Unit Price | Quantity/ Units | Contingencies/ Allowances | Total Price/Percentage |
|-------------|--|------------|-----------------|---------------------------|------------------------|
| 8.02 & 8.04 | Mechanical Engineering-Wastewater Collection System;<br>Mechanical Engineering-Water Distribution System |            |                 |                           | \$18,520.48            |
|             |  |            |                 |                           |                        |
|             |  |            |                 |                           |                        |
|             |  |            |                 |                           |                        |
|             |  |            |                 |                           |                        |
|             |  |            |                 |                           |                        |

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$18,520.48

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant Price or Percentage:

AECOM Technical Services, Inc.  
Print Name of Prime  
By: Karen Brandon  
Authorized Signature  
Karen D. Brandon, PE  
Print Name  
Associate Vice President  
Title  
Date: 12/19/2022

Mock, Roos & Associates, Inc.  
Print Name of Subcontractor/subconsultant  
By: Thomas A. Biggs  
Authorized Signature  
Thomas A. Biggs, P.E.  
Print Name  
Executive Vice President  
Title  
Date: December 19, 2022

ATTACHMENT D

PROJECT SCHEDULE

The completion dates for this work will be as follows (starting from CONSULTANT'S receipt of Notice-to-Proceed).

| <u>Engineering Services</u>                                     | <u>Completion Date from Notice to Proceed</u><br>(Calendar Days) |
|---|--|
| Task 1 – Project Initiation and Management                      | 480 (360 – Original)*  |
| Task 2 – Existing Conditions and Field Investigations           | 370  |
| Task 3 – Design Delivery and Permitting                         |  |
| Basis of Design Memorandum and Conceptual (30 percent) Design   | 207  |
| Intermediate (60 percent) Design                                | 322  |
| Pre-Final (90 percent) Design                                   | 390  |
| Permitting Submittals and Coordination with Regulatory Agencies | 420  |
| Final (100 percent) Design                                      | 427  |
| Emergency Bypass Design and Permitting                          | 346  |
| Canal Modification Design and Permitting                        | 382  |
| Task 4 – Bid Phase Services                                     | 480  |

\*Supplement Additional time 120 days

| ATTACHMENT E<br>BUDGET SUMMARY   |               |                  |                        |                        |             |               |                   |               |
|--|---------------|------------------|------------------------|------------------------|-------------|---------------|-------------------|---------------|
| Palm Beach County Water Utilities Department<br>Contract for Consulting/Professional Services <i>MASTER LIFT STATION AND REPUMP IMPROVEMENTS</i><br>Resolution No. <u>R2021-0508</u> Contract Dated <u>April 20, 2021</u><br>Consultant Services Authorization No.: <u>2.1</u><br>Consultant: <u>AECOM Technical Services, Inc.</u><br>Project Title: <u>LS 5015 Conversion to Repump</u><br>PBCWUD Project No.: <u>21-062</u> |               |                  |                        |                        |             |               |                   |               |
|  |               | SUBCONSULTANTS   |                        |                        |             |               |                   |               |
| Summary Table with Labor and Expenses  | PRIME (AECOM) | SUB1 (Mock Roos) | SUB2 (BFA)             | SUB3 (Brown Phillips)  | SUB4 (C&W)  | SUB5 (Radise) | SUB6 (Csolutions) | TOTAL         |
| <i>OEBO APPROVED AWARDED CATEGORY</i>  | Non-SBE       | Non-SBE          | SBE + M/WBE<br>(Black) | SBE + M/WBE<br>(Black) | SBE         | Non-SBE       |                   |               |
|  |               |                  |                        |                        |             |               |                   |               |
|  |               |                  |                        |                        |             |               |                   |               |
| LABOR  | \$ 102,751.00 | \$ 18,404.00     | \$ -                   | \$ -                   | \$ 7,245.00 | \$ -          | \$ -              | \$ 128,400.00 |
| REIMBURSABLES  | \$ 3,383.58   | \$ 116.48        | \$ -                   | \$ -                   | \$ -        | \$ -          |                   | \$ 3,500.06   |
| TOTAL  | \$ 106,134.58 | \$ 18,520.48     | \$ -                   | \$ -                   | \$ 7,245.00 | \$ -          | \$ -              | \$ 131,900.06 |

ATTACHMENT E  
BUDGET SUMMARY

Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services (MASTER LIFT STATION AND REPUMP IMPROVEMENTS)  
Resolution No. R2021-0508 Contract Dated April 20, 2021  
Consultant Services Authorization No.: 2.1  
Consultant: AECOM Technical Services, Inc.  
Project Title: LS 5015 Conversion to Repump  
PBCWUD Project No.: 21-062

BUDGET SUMMARY

| Task Number | Task Description  | PRIME (AECOM) | SUB1 (Mock Roos) | SUB2 (BFA)          | SUB3 (Brown Phillips) | SUB4 (C&W)  | SUB5 (Radise) | SUB6 (Csolutions) | TOTAL        |
|-------------|---|---------------|------------------|---------------------|-----------------------|-------------|---------------|-------------------|--------------|
|             | OEBO APPROVED AWARDED CATEGORY  | Non-SBE       | Non-SBE          | SBE + M/WBE (Black) | SBE + M/WBE (Black)   | SBE         | Non-SBE       |                   |              |
| TASK 1      | Project Initiation and Management                                       |               |                  |                     |                       |             |               |                   |              |
|             | Subtask 1.1 - Project Planning and Project Initiation M                 | \$ -          | \$ 2,624.00      | \$ -                | \$ -                  | \$ -        | \$ -          | \$ -              | \$ 2,624.00  |
|             | Subtask 1.2 - Project Reporting, Coordination, and Co                   | \$ 8,932.00   | \$ -             | \$ -                | \$ -                  | \$ 1,728.00 | \$ -          | \$ -              | \$ 10,660.00 |
|             | Subtask 1.3 - Quality Control   | \$ -          | \$ -             | \$ -                | \$ -                  | \$ -        | \$ -          | \$ -              | \$ -         |
|             | Reimbursable  | \$ -          | \$ 58.24         | \$ -                | \$ -                  | \$ -        | \$ -          |                   | \$ 58.24     |
|             | Task 1 - Subtotal   | \$ 8,932.00   | \$ 2,682.24      | \$ -                | \$ -                  | \$ 1,728.00 | \$ -          | \$ -              | \$ 13,342.24 |
| TASK 2      | Existing Conditions and Field Investigations                            |               |                  |                     |                       |             |               |                   |              |
|             | Subtask 2.1 - Existing Information and Engineering Field Investigations | \$ -          | \$ -             | \$ -                | \$ -                  | \$ -        | \$ -          | \$ -              | \$ -         |
|             | Subtask 2.2 - Topographic Survey and Subsurface Utility Investigation   | \$ -          | \$ -             | \$ -                | \$ -                  | \$ 1,295.00 | \$ -          | \$ -              | \$ 1,295.00  |
|             | Subtask 2.3 - Geotechnical Investigation and Report                     | \$ -          | \$ -             | \$ -                | \$ -                  | \$ -        | \$ -          | \$ -              | \$ -         |
|             | Subtask 2.4 - SCADA Flow Data Analysis                                  | \$ 11,284.00  | \$ -             | \$ -                | \$ -                  | \$ -        | \$ -          | \$ -              | \$ 11,284.00 |
|             | Subtask 2.5 - Flow Meter Installation and Removal                       | \$ 3,672.00   | \$ -             | \$ -                | \$ -                  | \$ -        | \$ -          | \$ -              | \$ 3,672.00  |
|             | Subtask 2.6 - Flow Meter Data Collection Site Visits                    | \$ 2,142.00   | \$ -             | \$ -                | \$ -                  | \$ -        | \$ -          | \$ -              | \$ 2,142.00  |
|             | Subtask 2.7 - Flow Data Analysis and Design Conditio                    | \$ 21,267.00  | \$ -             | \$ -                | \$ -                  | \$ -        | \$ -          | \$ -              | \$ 21,267.00 |
|             | Subtask 2.8 - Sub-Basin Growth Projections                              | \$ 3,519.00   | \$ -             | \$ -                | \$ -                  | \$ -        | \$ -          | \$ -              | \$ 3,519.00  |
|             | Reimbursable  |               | \$ -             | \$ -                | \$ -                  | \$ -        | \$ -          | \$ -              | \$ -         |
|             | Reimbursable - Supplement 2.1   | \$ 3,383.58   | \$ -             | \$ -                | \$ -                  | \$ -        | \$ -          | \$ -              | \$ 3,383.58  |
|             | Task 2 - Subtotal   | \$ 45,267.58  | \$ -             | \$ -                | \$ -                  | \$ 1,295.00 | \$ -          | \$ -              | \$ 46,562.58 |

| Task Number | Task Description  | PRIME (AECOM)        | SUB1 (Mock Roos)    | SUB2 (BFA)    | SUB3 (Brown Phillips) | SUB4 (C&W)         | SUB5 (Radise)    | SUB6 (Csolutions) | TOTAL                |
|-------------|---|----------------------|---------------------|---------------|-----------------------|--------------------|------------------|-------------------|----------------------|
| TASK 3      | Design Delivery and Permitting  |                      |                     |               |                       |                    |                  |                   |                      |
|             | Subtask 3.1 - Basis of Design Memorandum and Conceptual (30 percent) Design   | \$ -                 | \$ 15,780.00        | \$ -          | \$ -                  | \$ 4,222.00        | \$ -             | \$ -              | \$ 20,002.00         |
|             | Subtask 3.1.1 - Revisions due to Hydraulic Design Conditions                  | \$ 8,243.00          | \$ -                | \$ -          | \$ -                  | \$ -               | \$ -             | \$ -              | \$ 8,243.00          |
|             | Subtask 3.1.2 - Revisions due to Proposed Easement Relocation                 | \$ 1,970.00          | \$ -                | \$ -          | \$ -                  | \$ -               | \$ -             | \$ -              | \$ 1,970.00          |
|             | Subtask 3.2 - Intermediate (60 percent) Design                                | \$ -                 | \$ -                | \$ -          | \$ -                  | \$ -               | \$ -             | \$ -              | \$ -                 |
|             | Subtask 3.3 - Pre-Final (90 percent) Design                                   | \$ -                 | \$ -                | \$ -          | \$ -                  | \$ -               | \$ -             | \$ -              | \$ -                 |
|             | Subtask 3.4 - Permitting Submittals and Coordination with Regulatory Agencies | \$ -                 | \$ -                | \$ -          | \$ -                  | \$ -               | \$ -             |                   | \$ -                 |
|             | Subtask 3.5 - Final (100 percent) Design                                      | \$ -                 | \$ -                | \$ -          | \$ -                  | \$ -               | \$ -             | \$ -              | \$ -                 |
|             | Subtask 3.6 - Emergency Bypass Design and Permitting                          | \$ 32,924.00         | \$ -                | \$ -          | \$ -                  | \$ -               | \$ -             | \$ -              | \$ 32,924.00         |
|             | Subtask 3.7 - Canal Modification Design and Permitting                        | \$ -                 | \$ -                | \$ -          | \$ -                  | \$ -               | \$ -             | \$ -              | \$ -                 |
|             | Subtask 3.7.1 - Field Inspections   | \$ 206.00            | \$ -                | \$ -          | \$ -                  | \$ -               | \$ -             | \$ -              | \$ 206.00            |
|             | Subtask 3.7.2 - Compensating Storage Calculations                             | \$ 524.00            | \$ -                | \$ -          | \$ -                  | \$ -               | \$ -             | \$ -              | \$ 524.00            |
|             | Subtask 3.7.3 - Permitting  | \$ 4,592.00          | \$ -                | \$ -          | \$ -                  | \$ -               | \$ -             | \$ -              | \$ 4,592.00          |
|             | Subtask 3.7.4 - Plan Revisions  | \$ 3,476.00          | \$ -                | \$ -          | \$ -                  | \$ -               | \$ -             | \$ -              | \$ 3,476.00          |
|             | Reimbursable  | \$ -                 | \$ 58.24            | \$ -          | \$ -                  | \$ -               | \$ -             |                   | \$ 58.24             |
|             | <b>Task 3 - Subtotal</b>  | <b>\$ 51,935.00</b>  | <b>\$ 15,838.24</b> | <b>\$ -</b>   | <b>\$ -</b>           | <b>\$ 4,222.00</b> | <b>\$ -</b>      | <b>\$ -</b>       | <b>\$ 71,995.24</b>  |
| TASK 4      | Bid Phase Services  |                      |                     |               |                       |                    |                  |                   |                      |
|             | Subtask 4.1-4.5 Bid Phase Services  | \$ -                 | \$ -                | \$ -          | \$ -                  | \$ -               | \$ -             | \$ -              | \$ -                 |
|             | Reimbursable  | \$ -                 | \$ -                | \$ -          | \$ -                  | \$ -               | \$ -             | \$ -              | \$ -                 |
|             | <b>Task 4 - Subtotal</b>  | <b>\$ -</b>          | <b>\$ -</b>         | <b>\$ -</b>   | <b>\$ -</b>           | <b>\$ -</b>        | <b>\$ -</b>      | <b>\$ -</b>       | <b>\$ -</b>          |
|             | <b>TOTAL PROJECT</b>  | <b>\$ 106,134.58</b> | <b>\$ 18,520.48</b> | <b>\$ -</b>   | <b>\$ -</b>           | <b>\$ 7,245.00</b> | <b>\$ -</b>      | <b>\$ -</b>       | <b>\$ 131,900.06</b> |
|             | Percentage  | 80.466%              | 14.041%             | 0.000%        | 0.000%                | 5.493%             | 0.000%           | 0.000%            |                      |
|             |   |                      |                     |               |                       |                    |                  |                   |                      |
|             |   |                      |                     |               |                       |                    |                  |                   |                      |
|             |   |                      |                     | PRIME         | \$ 106,134.58         | 80.46%             |                  |                   |                      |
|             |   |                      |                     | SBE           | \$ 7,245.00           | 5.49%              | SUB2, SUB3, SUB4 |                   |                      |
|             |   |                      |                     | M/WBE         | \$ -                  | 0.00%              | SUB2, SUB3       |                   |                      |
|             |   |                      |                     | M/WBE (Black) | \$ -                  | 0.00%              | SUB2, SUB3       |                   |                      |
|             |   |                      |                     |               |                       |                    |                  |                   |                      |

| Palm Beach County Water Utilities Department<br>Contract for Consulting/Professional Services <b>MASTER LIFT STATION A</b><br>Resolution No. R2021-0508 Contract Dated April 20, 2021<br>Consultant Services Authorization No.: <b>2.1</b><br>Consultant: <b>AECOM Technical Services, Inc.</b><br>Project Title: <b>LS 5015 Conversion to Repump</b><br>PBCWUD Project No.: <b>21-062</b> |   |                     |                        |              |               |                |                          |
|--|---|---------------------|------------------------|--------------|---------------|----------------|--------------------------|
| BUDGET SUMMARY FOR FIRM  |   |                     |                        |              |               |                |                          |
| Task Number  | Task Description  | Officer / Principal | Project Administration | PRIME TOTALS |               |                |                          |
|  |   |                     |                        | Total Hours  | Total Labor   | Total Expenses | Total Labor and Expenses |
|  | Raw Rate RANGE frm MASTER EXHIBIT C   | \$90.4              | \$27 - \$35            |              |               |                |                          |
|  | Raw Rate >  | \$                  | \$ 29.78               |              |               |                |                          |
|  | Multiplier >  | 2.7                 | 2.72                   |              |               |                |                          |
|  | Bill Rate >   | \$                  | \$ 81.00               |              |               |                |                          |
| TASK 1   | Project Initiation and Management   |                     |                        |              |               |                |                          |
|  | Subtask 1.1 - Project Planning and Project Initiation Meeting                 | 0                   | 0                      | 0            | \$ -          | \$ -           | \$ -                     |
|  | Subtask 1.2 - Project Reporting, Coordination, and Communications             | 10                  | 12                     | 52           | \$ 8,932.00   | \$ -           | \$ 8,932.00              |
|  | Subtask 1.3 - Quality Control   | 0                   | 0                      | 0            | \$ -          | \$ -           | \$ -                     |
|  | Reimbursable  | ---                 | ---                    | ---          | \$ -          | \$ -           | \$ -                     |
|  | Task 1 - Subtotal   | 10                  | 12                     | 52           | \$ 8,932.00   | \$ -           | \$ 8,932.00              |
| TASK 2   | Existing Conditions and Field Investigations                                  |                     |                        |              |               |                |                          |
|  | Subtask 2.1 - Existing Information and Engineering Field Investigations       | 0                   | 0                      | 0            | \$ -          | \$ -           | \$ -                     |
|  | Subtask 2.2 - Topographic Survey and Subsurface Utility Investigation         | 0                   | 0                      | 0            | \$ -          | \$ -           | \$ -                     |
|  | Subtask 2.3 - Geotechnical Investigation and Report                           | 0                   | 0                      | 0            | \$ -          | \$ -           | \$ -                     |
|  | Subtask 2.4 - SCADA Flow Data Analysis  | 0                   | 0                      | 72           | \$ 11,284.00  | \$ -           | \$ 11,284.00             |
|  | Subtask 2.5 - Flow Meter Installation and Removal                             | 0                   | 0                      | 24           | \$ 3,672.00   | \$ -           | \$ 3,672.00              |
|  | Subtask 2.6 - Flow Meter Data Collection Site Visits                          | 0                   | 0                      | 14           | \$ 2,142.00   | \$ -           | \$ 2,142.00              |
|  | Subtask 2.7 - Flow Data Analysis and Design Condition Verification            | 0                   | 0                      | 139          | \$ 21,267.00  | \$ -           | \$ 21,267.00             |
|  | Subtask 2.8 - Sub-Basin Growth Projections                                    | 0                   | 0                      | 23           | \$ 3,519.00   | \$ -           | \$ 3,519.00              |
|  | Reimbursable  | ---                 | ---                    | ---          | \$ 3,383.58   | \$ 3,383.58    | \$ 3,383.58              |
|  | Task 2 - Subtotal   | 0                   | 0                      | 272          | \$ 41,884.00  | \$ 3,383.58    | \$ 45,267.58             |
| TASK 3   | Design Delivery and Permitting  |                     |                        |              |               |                |                          |
|  | Subtask 3.1 - Basis of Design Memorandum and Conceptual (30 percent) Design   | 0                   | 0                      | 0            | \$ -          | \$ -           | \$ -                     |
|  | Subtask 3.1.1 - Revisions due to Hydraulic Design Conditions                  | 0                   | 0                      | 53           | \$ 8,243.00   | \$ -           | \$ 8,243.00              |
|  | Subtask 3.1.2 - Revisions due to Proposed Easement Relocation                 | 0                   | 0                      | 12           | \$ 1,970.00   | \$ -           | \$ 1,970.00              |
|  | Subtask 3.2 - Intermediate (60 percent) Design                                | 0                   | 0                      | 0            | \$ -          | \$ -           | \$ -                     |
|  | Subtask 3.3 - Pre-Final (90 percent) Design                                   | 0                   | 0                      | 0            | \$ -          | \$ -           | \$ -                     |
|  | Subtask 3.4 - Permitting Submittals and Coordination with Regulatory Agencies | 0                   | 0                      | 0            | \$ -          | \$ -           | \$ -                     |
|  | Subtask 3.5 - Final (100 percent) Design                                      | 0                   | 0                      | 0            | \$ -          | \$ -           | \$ -                     |
|  | Subtask 3.6 - Emergency Bypass Design and Permitting                          | 0                   | 0                      | 213          | \$ 32,924.00  | \$ -           | \$ 32,924.00             |
|  | Subtask 3.7 - Canal Modification Design and Permitting                        | 0                   | 0                      | 0            | \$ -          | \$ -           | \$ -                     |
|  | Subtask 3.7.1 - Field Inspections   | 0                   | 0                      | 2            | \$ 206.00     | \$ -           | \$ 206.00                |
|  | Subtask 3.7.2 - Compensating Storage Calculations                             | 0                   | 0                      | 4            | \$ 524.00     | \$ -           | \$ 524.00                |
|  | Subtask 3.7.3 - Permitting  | 2                   | 4                      | 34           | \$ 4,592.00   | \$ -           | \$ 4,592.00              |
|  | Subtask 3.7.4 - Plan Revisions  | 0                   | 0                      | 28           | \$ 3,476.00   | \$ -           | \$ 3,476.00              |
|  | Reimbursable  | ---                 | ---                    | ---          | \$ -          | \$ -           | \$ -                     |
|  | Task 3 - Subtotal   | 2                   | 4                      | 346          | \$ 51,935.00  | \$ -           | \$ 51,935.00             |
| TASK 4   | Bid Phase Services  |                     |                        |              |               |                |                          |
|  | Subtask 4.1-4.5 Bid Phase Services  | 0                   | 0                      | 0            | \$ -          | \$ -           | \$ -                     |
|  | Reimbursable  | ---                 | ---                    | ---          | \$ -          | \$ -           | \$ -                     |
|  | Task 4 - Subtotal   | 0                   | 0                      | 0            | \$ -          | \$ -           | \$ -                     |
|  | Labor Subtotal Hours  |                     | 16                     | 670          |               |                |                          |
|  | Labor Raw Costs   | \$ 1.7              | \$ 476.47              |              | \$ 37,776.10  |                |                          |
|  | Labor Subtotal (Bill Rate * Labor Subtotal Hours)                             | \$ 4.8              | \$ 1,296.00            |              | \$ 102,751.00 |                |                          |
|  | PROJECT TOTAL   |                     |                        | 670          | \$ 102,751.00 | \$ 3,383.58    | \$ 106,134.58            |

Estimate of Work Effort and Cost  
Prime Consultant

| BUDGET SUMMARY   |   |                    |            |                   |
|--|---|--------------------|------------|-------------------|
| Palm Beach County Water Utilities Department   |   |                    |            |                   |
| Contract for Consulting/Professional Services <i>MASTER LIFT STATION AND REPUMP IMPROVEMENTS</i> |   |                    |            |                   |
| Resolution No. <u>R2021-0508</u> Contract Dated <u>April 20, 2021</u>                            |   |                    |            |                   |
| Consultant Services Authorization No.: <u>2.1</u>  |   |                    |            |                   |
| Consultant: <u>AECOM Technical Services, Inc.</u>  |   |                    |            |                   |
| Project Title: <u>LS 5015 Conversion to Repump</u>   |   |                    |            |                   |
| PBCWUD Project No.: <u>21-062</u>  |   |                    |            |                   |
|  |   |                    |            |                   |
| FIRM NAME Reimbursables  |   | Projected Quantity | Unit Cost  | Project Cost      |
|  |   |                    |            |                   |
| <i>Task 1 - Project Initiation and Management</i>  | Mileage                                   | 0                  | \$0.63     | \$0.00            |
|  | 8.5x11 Print                              | 0                  | \$0.25     | \$0.00            |
|  |   |                    |            |                   |
| <i>Task 2 - Existing Conditions and Field Investigations</i>                                     | Mileage                                   | 400                | \$0.63     | \$250.00          |
|  | Flow Meter Rental                         | 1                  | \$3,133.58 | \$3,133.58        |
|  |   |                    |            |                   |
| <i>Task 3 - Design Delivery and Permitting</i>   | Mileage                                   | 0                  | \$0.63     | \$0.00            |
|  | Bond Copies/Black line/Blueprints (24x36) | 0                  | \$1.00     | \$0.00            |
|  | Bond Copies/Black line/Blueprints (11x17) | 0                  | \$0.50     | \$0.00            |
|  | 8.5x11 Print                              | 0                  | \$0.25     | \$0.00            |
|  | CAD Drawing Files/Digital Transmission    | 0                  | \$20.00    | \$0.00            |
|  |   |                    |            |                   |
| <i>Task 4 - Bid Phase Services</i>   | Mileage                                   | 0                  | \$0.63     | \$0.00            |
|  | Bond Copies/Black line/Blueprints (24x36) | 0                  | \$1.00     | \$0.00            |
|  | Bond Copies/Black line/Blueprints (11x17) | 0                  | \$0.50     | \$0.00            |
|  | 8.5x11 Print                              | 0                  | \$0.25     | \$0.00            |
|  | CAD Drawing Files/Digital Transmission    | 0                  | \$20.00    | \$0.00            |
| PROJECT TOTAL  |   |                    |            | <b>\$3,383.58</b> |



INVOICE

Page: 1(1)

Toll-free:  
www.pine-environmental.com  
Office: FL - Ft. Lauderdale (U46)  
(954) 533-0242

Invoice Date  
01/29/22  
Due Date  
03/15/22

Invoice #  
US1-220008364

Cust #  
20200169  
Contract  
A752370

Bill To  
AECOM  
\*\*MUST HAVE PO OR PR# AND PM NAME\*\*  
2090 Palm Beach Lakes Blvd, Ste 600  
WEST PALM BEACH, FL - 33409  
United States 60664434

Ship To  
AECOM  
2090 Palm Beach Lakes Blvd  
Ste 600  
West Palm Beach, FL - 33409  
United States  
Attn:Vaughn Hayduk  
Phone:864-908-8905

Ordered By  
VAUGHN HAYDUK  
Currency  
USD US Dollar  
PO #  
WAITING ON PO

Project #

Terms  
Net 45 Days

| Item #<br>Charge | Qty  | Model Description<br>Rental Period | Asset ID #<br>Price | Total  |
|------------------|------|------------------------------------|---------------------|--------|
| 51819            |      | Flow MeterPortable Doppler 5.1     | 30228               |        |
|                  | 1.00 | 12/09/21 - 01/05/22                | 698.57/ 4-Week      | 698.57 |
|                  | 1.00 | 01/06/22 - 01/10/22                | 247.44/ Week        | 247.44 |
| 51819            |      | Flow MeterPortable Doppler 5.1     | 29490               |        |
|                  | 1.00 | 12/09/21 - 01/05/22                | 698.57/ 4-Week      | 698.57 |
|                  | 1.00 | 01/06/22 - 01/10/22                | 247.44/ Week        | 247.44 |

For more information, please refer to the Policies Section  
on our website [www.pine-environmental.com](http://www.pine-environmental.com)  
Thank you for using Pine!

Sub Total 1892.02  
Sales Tax 132.46  
Invoice total 2024.48

Please Remit Payment To:  
Pine Environmental Services, LLC  
Pine Lockbox  
P.O. Box 12488  
Newark, NJ - 07101-3588  
This invoice has been emailed





INVOICE

Page: 1(1)

Toll-free:  
www.pine-environmental.com  
Office: FL - Ft. Lauderdale (U46)  
(954) 533-0242

Invoice Date  
01/29/22  
Due Date  
03/15/22

Invoice #  
US1-220008363

Cust #  
20200169  
Contract  
A745643

Bill To  
AECOM  
\*\*MUST HAVE PO OR PR# AND PM NAME\*\*  
2090 Palm Beach Lakes Blvd, Ste 600  
WEST PALM BEACH, FL - 33409  
United States  
60664434

Ship To  
PINE  
3700 HACIENDA BLVD  
SUITE D & E  
FORT LAUDERDALE, FL - 33314  
United States  
Attn:VAUGHN HAYDUK  
Phone:864-908-8905

Ordered By  
VAUGHN HAYDUK

Currency  
USD US Dollar

PO #  
WAITING ON PO

Project #

Terms  
Net 45 Days

| Item #<br>Charge | Qty  | Model Description<br>Rental Period | Asset ID #<br>Price | Total  |
|------------------|------|------------------------------------|---------------------|--------|
| 51819            |      | Flow MeterPortable Doppler 5.1     | 33738               |        |
|                  | 1.00 | 12/06/21 - 01/02/22                | 698.57/ 4-Week      | 698.57 |
|                  | 1.00 | 01/03/22 - 01/07/22                | 247.44/ Week        | 247.44 |
|                  | 1.00 | 01/08/22 - 01/10/22                | 90.53/ Day          | 90.53  |

For more information, please refer to the Policies Section  
on our website [www.pine-environmental.com](http://www.pine-environmental.com)  
Thank you for using Pine!

Sub Total 1036.54  
Sales Tax 72.56  
Invoice total 1109.10

Please Remit Payment To:  
Pine Environmental Services, LLC  
Pine Lockbox  
P.O. Box 12488  
Newark, NJ - 07101-3588  
This invoice has been emailed

## C & W engineering Inc.

---

Consulting Engineers – Electrical • HVAC • Plumbing

6903 Vista Parkway North, #10  
West Palm Beach, FL 33411  
(561) 642-5333

Revised April 25, 2022

Jeremy Koch  
AECOM  
2 Alhambra Plaza, Suite 900  
Coral Gables, FL 33134

Subject: LS 5015 Conversion to Repump  
WUD Project# 21-020  
**Revised** Electrical Engineering Proposal  
C&W Ref. 50208

Dear Mr. Koch:

I am pleased to submit this **revised** proposal for your consideration to provide Electrical, Instrumentation and Controls Engineering Design Services for the above referenced project. The items in **bold** below are the descriptions that have been added or modified in this proposal. These changes are due to the relocation of the LS directly to the east of the existing site rather than down the street.

1. Include a **proposed oneline for the revised design, including an opinion of construction costs and electrical equipment layout (based on proposed Civil/Mechanical engineer's revised layout) for the PDR phase.**
2. Include new electrical 480V 3 phase service from power company to new pump station. **Account for the revised equipment changes.**
3. Include new control panel with Emergency breaker and PBCWUD standard generator receptacle.
4. Provide new Electrical Service lateral to new service new meter, main breaker service disconnects and Automatic Transfer Switch. New electrical equipment will be housed outside on pipe stand rack.
5. Design for new pumps, VFD and control panel.

C&W#50208

6. Design for new Owner furnished standby generator with diesel subbase fuel tank.
7. Coordination with the Electrical Utility.
8. Include instrumentation and control equipment per PBCWUD for the wet well level transmitter, floats, and the like. Also for inlet/outlet pressure sustaining controls and motor actuated valves
9. Include the PBCWUD standard remote telemetry unit.
10. Include power and data for security camera CCTV system.
11. Include rehabilitation of the existing electrical equipment at for LS 5150 triplex station, including odor control panel, ATS and generator. **Include smaller wetwell and pumps for LS 0217.** Including CCTV power /data provisions.
12. Include demolition of the existing electrical equipment at lift station LS 0217 station.
13. Submit documents for review and comment (**redesign and provide new revised 30%)** 60 % and 90 % completion levels. The Submittal will include drawings, specifications, and an opinion of costs.
14. The documents will be useful for permitting, bidding and construction.
15. Include services for permitting.
16. Include services during the bid cycle.
17. Weekly zoom meetings.
18. Services during construction are EXCLUDED.

### **DESIGN SERVICES**

#### Coordination

AECOM/Mock Roos  
Owner  
Vendors

#### Field Investigations

#### Engineering

Verifying Power Source  
Observe Existing Conditions

C&W#50208

Drawings

- Electrical Site Plan
- Wet Well Electrical Equipment Plan
- One Line Power Diagram
- Instrumentation Diagrams
- Details as may be required

Typical Specifications

Provide documents for Review and Approval.

Bid Assistance, Response to Questions

**DESIGN FEE:**

|                            |                    |
|----------------------------|--------------------|
| Tasks 1                    | \$ 2,590.00        |
| <b>Tasks 1 Add Service</b> | <b>\$ 1,728.00</b> |
| Tasks 2                    | \$ 3,372.00        |
| <b>Tasks 2 Add Service</b> | <b>\$ 1,295.00</b> |
| Tasks 3                    | \$14,670.00        |
| <b>Tasks 3 Add Service</b> | <b>\$ 4,222.00</b> |
| Tasks 4                    | \$ 2,526.00        |
| <b>Total Fee</b>           | <b>\$30,403.00</b> |

**CONSTRUCTION SERVICES: EXCLUDED**

I trust the above scope is in agreement with your needs and expectations. If you have questions or comments regarding the above, please call.

Very truly yours,

C & W Engineering, Inc.



Michael Guida, P.E.

JLR/nl

| ATTACHMENT E<br>BUDGET SUMMARY   |   |                    |                  |             |                    |                              |              |             |                |                          |
|--|---|--------------------|------------------|-------------|--------------------|------------------------------|--------------|-------------|----------------|--------------------------|
| Palm Beach County Water Utilities Department<br>Contract for Consulting/Professional Services<br>Resolution No. <u>  R2021-0508  </u> Contract Dated <u>  APRIL 20, 2021  </u><br>Consultant Services Authorization No.: <u>  2.1  </u><br>Consultant: <u>  C &amp; W ENGINEERING, INC.  </u><br>Project Title: <u>  LS 5015 CONVERSION TO REPUMP  </u><br>PBCWUD Project No.: <u>  21-020  </u> |   |                    |                  |             |                    |                              |              |             |                |                          |
| BUDGET SUMMARY FOR FIRM  |   |                    |                  |             |                    |                              |              |             |                |                          |
| Task Number  | Task Description  | Principal Engineer | Project Engineer | Engineer    | Sr. CAD/D/Designer | Sr. Administrative Assistant | PRIME TOTALS |             |                |                          |
|  |   |                    |                  |             |                    |                              | Total Hours  | Total Labor | Total Expenses | Total Labor and Expenses |
|  | Raw Rate RANGE from MASTER EXHIBIT C  | \$75-\$100         | \$64-\$75        | \$35-\$55   | \$25-\$35          | \$20-\$30                    |              |             |                |                          |
|  | Raw Rate >  | \$ 76.00           | \$ 64.89         | \$ 36.00    | \$ 28.00           | \$ 24.00                     |              |             |                |                          |
|  | Multiplier >  | 2.25               | 2.25             | 2.25        | 2.25               | 2.25                         |              |             |                |                          |
|  | Bill Rate >   | \$ 171.00          | \$ 146.00        | \$ 81.00    | \$ 63.00           | \$ 54.00                     |              |             |                |                          |
| TASK 1   | Project Initiation and Management   |                    |                  |             |                    |                              |              |             |                |                          |
|  | Subtask 1.2 - Project Reporting, Coordination and Communications                                  | 0                  | 0                | 0           | 0                  | 0                            | 0            | \$ -        | \$ -           | \$ -                     |
|  | Subtask 1.3 - Additional services Project Reporting, Coordination and Communications              | 6                  |                  | 8           |                    | 1                            | 15           | \$ 1,728.00 |                | \$ 1,728.00              |
|  | Task 1 - Subtotal   | 6                  | 0                | 8           | 0                  | 1                            | 15           | \$ 1,728.00 | \$ -           | \$ 1,728.00              |
| TASK 2   | Existing Conditions and Field Investigations  |                    |                  |             |                    |                              |              |             |                |                          |
|  | Subtask 2.1 - Existing Information and Engineering Field Investigations                           | 0                  | 0                | 0           | 0                  | 0                            | 0            | \$ -        | \$ -           | \$ -                     |
|  | Subtask 2.4 - Additional services - SCADA Flow Data Analysis                                      | 1                  | 4                | 6           | 0                  | 1                            | 12           | \$ 1,295.00 | \$ -           | \$ 1,295.00              |
|  | Task 2 - Subtotal   | 1                  | 4                | 6           | 0                  | 1                            | 12           | \$ 1,295.00 | \$ -           | \$ 1,295.00              |
| TASK 3   | Design Delivery and Permitting  |                    |                  |             |                    |                              |              |             |                |                          |
|  | Subtask 3.1 - Basis of Design Memorandum and Conceptual (30 percent) Design                       | 0                  | 0                | 0           | 0                  | 0                            | 0            | \$ -        | \$ -           | \$ -                     |
|  | Subtask 3.1.1 - Additional services Basis of Design Memorandum and Conceptual (30 percent) Design | 2                  | 14               | 22          | 0                  | 1                            | 39           | \$ 4,222.00 |                | \$ 4,222.00              |
|  | Subtask 3.2 - Intermediate (60 percent) Design  | 0                  | 0                | 0           | 0                  | 0                            | 0            | \$ -        | \$ -           | \$ -                     |
|  | Subtask 3.3 - Pre-Final (90 percent) Design   | 0                  | 0                | 0           | 0                  | 0                            | 0            | \$ -        | \$ -           | \$ -                     |
|  | Subtask 3.4 - Permitting Submittals and Coordination with Regulatory Agencies                     | 0                  | 0                | 0           | 0                  | 0                            | 0            | \$ -        |                | \$ -                     |
|  | Subtask 3.5 - Final (100 percent) Design  | 0                  | 0                | 0           | 0                  | 0                            | 0            | \$ -        |                | \$ -                     |
|  | Task 3 - Subtotal   | 2                  | 14               | 22          | 0                  | 1                            | 39           | \$ 4,222.00 | \$ -           | \$ 4,222.00              |
| TASK 4   | Bid Phase Services  |                    |                  |             |                    |                              |              |             |                |                          |
|  | Subtask 4.1 Bid Phase Services  | 0                  | 0                | 0           | 0                  | 0                            | 0            | \$ -        |                | \$ -                     |
|  | Task 4 - Subtotal   | 0                  | 0                | 0           | 0                  | 0                            | 0            | \$ -        | \$ -           | \$ -                     |
|  | Total (Task 1,2,3, and 4)   | 9                  | 18               | 36          | 0                  | 3                            | 66           | \$ 7,245.00 | \$ -           | \$ 7,245.00              |
|  | Labor Subtotal Hours  | 9                  | 18               | 36          | 0                  | 3                            | 66           |             |                |                          |
|  | Labor Raw Costs   | \$ 684.00          | \$ 1,168.00      | \$ 1,296.00 | \$ -               | \$ 72.00                     |              | \$ 3,220.00 |                |                          |
|  | Labor Subtotal (Bill Rate * Labor Subtotal Hours)   | \$ 1,539.00        | \$ 2,628.00      | \$ 2,916.00 | \$ -               | \$ 162.00                    |              | \$ 7,245.00 |                |                          |
|  | PROJECT TOTAL   |                    |                  |             |                    |                              | 66           | \$ 7,245.00 | \$ -           | \$ 7,245.00              |

**Exhibit A for MOCK, ROOS & ASSOCIATES, INC., sub-consultant to AECOM, Inc.**

**MASTER LIFT STATION AND REPUMP IMPROVEMENTS**

**WUD PROJECT NO. 21-062, PACKAGE IDENTIFICATION NO. CD08 – CSA 2,  
Supplement 1**

**Project: LS 5015 Conversion to Repump**

**Background**

Following the Preliminary Design Report and conceptual design submittal it was determined that the easement west of Sherwood Forest Blvd would not be provided for the new 5015 pump station. This supplement is for the additional Preliminary design coordination and concepts and mechanical design associated with locating the proposed pump station east of the existing LS5015.

SUBCONSULTANT will provide mechanical engineering services to support the CONSULTANT with portions of this task as described above.

**Scope of Services**

**Task 1 Project Initiation and Management**

Subtask 1.1 – Project Planning and Project Initiation – The SUBCONSULTANT will attend additional project coordination and kick-off meetings with the CONSULTANT and Palm Beach County Water Utilities Department. The SUBCONSULTANT will coordinate with the CONSULTANT on additional internal deliverables and to obtain standards for the project.

**Task 3 Design Delivery and Permitting**

Subtask 3.1 - Basis of Design Memorandum and Conceptual (30 percent) Design - The SUBCONSULTANT will assist the CONSULTANT to prepare preliminary mechanical layouts, construction drawings, and an Engineer Opinion of Probable Construction Cost associated with the mechanical improvements. The SUBCONSULTANT will prepare a list of technical specifications. SUBCONSULTANT will coordinate with PBCWUD approved pump manufactures to provide information on available service cart and rail systems for horizontal dry pump installation. The drawings, cost opinion, and specifications will be provided to the CONSULTANT for inclusion into the submittal to PBCWUD. SUBCONSULTANT will attend one additional review meeting with the CONSULTANT and Palm Beach County Water Utilities Department.

**Assumptions:**

1. SUBCONSULTANT can assist the CONSULTANT with a Palm Beach County Land Development (PBCLD) permit, but it is not anticipated that the SUBCONSULTANT will prepare drawings showing roadwork, restoration, and/or PBCLD details that will be required for permitting.
2. PBCWUD will obtain a new easement of sufficient size to construct the proposed improvement.

MASTER LIFT STATION AND REPUMP IMPROVEMENTS  
WUD PROJECT NO. 21-062, PACKAGE IDENTIFICATION NO. CD08 – CSA 2, Supplement 1

3. Mechanical services related to piping outside of the PBCWUD obtained are not included in this scope of services.
4. Civil and structural design associated with items such as hatches, structural wetwell repair/modifications, concrete slab, top slabs, conversion of LS 217 to a flow through manhole are not included in this scope of services.
5. All information utilized for pump selection for both pump stations (i.e. design peak hour flow, min and max pressures at point of connection, discharge FM sizes and lengths to point of connection) will be provided to SUBCONSULTANT for the design services in this Scope of Services.
6. The design services provided in this scope of services are limited to pumping mechanical engineering with Drawing, Specifications, and an Engineers Opinion of Probable Construction Cost. No other design services are provided in this Scope of Service.
7. No field data collection services or coordination is provided in this Scope of Service.
8. All flow and pressure data utilized for the design are provided by CONSULTANT and no independent verification of this data is provided in this Scope of Service.
9. CONSULTANT will provide CAD Standards for SUBCONSULTANT to use for the drafting.
10. Civil, Electrical, Instrumentation and Controls, and Structural design to support the mechanical design and equipment will be provided by the CONSULTANT.

| ATTACHMENT E<br>BUDGET SUMMARY  |   |                   |                        |                         |                     |                    |                              |                             |                              |                      |              |                |                          |
|---|---|-------------------|------------------------|-------------------------|---------------------|--------------------|------------------------------|-----------------------------|------------------------------|----------------------|--------------|----------------|--------------------------|
| Palm Beach County Water Utilities Department<br>Contract for Consulting/Professional Services <b>MASTER LIFT STATION AND REPUMP IMPROVEMENTS</b><br>Resolution No. <u>R2021-0508</u> Contract Dated <u>April 20, 2021</u><br>Consultant Services Authorization No.: <u>2.1</u><br>Consultant: <u>MOCK, ROOS &amp; ASSOCIATES, INC., sub-consultant to AECOM, Inc.</u><br>Project Title: <u>LS5015 Conversion to Repump</u><br>PBCWUD Project No.: <u>21-082</u> |   |                   |                        |                         |                     |                    |                              |                             |                              |                      |              |                |                          |
| BUDGET SUMMARY FOR <u>MOCK, ROOS &amp; ASSOCIATES, INC., sub-consultant to AECOM, Inc.</u>  |   |                   |                        |                         |                     |                    |                              |                             |                              | SUBCONSULTANT TOTALS |              |                |                          |
| Task Number   | Task Description  | Principal         | Senior Project Manager | Senior Project Engineer | Project Engineer II | Project Engineer I | Senior CAD / Senior Designer | Senior Field Representative | Senior Project Administrator | Total Hours          | Total Labor  | Total Expenses | Total Labor and Expenses |
|   | Raw Rate RANGE from MASTER EXHIBIT C  | \$75.00 - \$85.00 | \$59.00 - \$80.00      | \$45.00 - \$65.00       | \$31.00 - \$45.00   | \$28.00 - \$31.00  | \$50.00 - \$60.00            | \$47.00 - \$55.00           | \$30.00 - \$35.00            |                      |              |                |                          |
|   | Raw Rate >  | \$ 76.67          | \$ 63.33               | \$ 53.67                | \$ 34.67            | \$ 29.33           | \$ 53.33                     | \$ 47.33                    | \$ 31.00                     |                      |              |                |                          |
|   | Multiplier >  | 3.00              | 3.00                   | 3.00                    | 3.00                | 3.00               | 3.00                         | 3.00                        | 3.00                         |                      |              |                |                          |
|   | Bill Rate >   | \$ 230.00         | \$ 190.00              | \$ 161.00               | \$ 104.00           | \$ 88.00           | \$ 160.00                    | \$ 142.00                   | \$ 93.00                     |                      |              |                |                          |
| TASK 1  | Project Initiation and Management   |                   |                        |                         |                     |                    |                              |                             |                              |                      |              |                |                          |
|   | Subtask 1.1 - Project Planning and Project Initiation Meeting                 | 2                 | 8                      | 4                       | 0                   | 0                  | 0                            | 0                           | 0                            | 14                   | \$ 2,624.00  | \$ 58.24       | \$ 2,682.24              |
|   | Subtask 1.2 - Project Reporting, Coordination, and Communications             | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Subtask 1.3 - Quality Control   | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Task 1 - Subtotal   | 2                 | 8                      | 4                       | 0                   | 0                  | 0                            | 0                           | 0                            | 14                   | \$ 2,624.00  | \$ 58.24       | \$ 2,682.24              |
| TASK 2  | Existing Conditions and Field Investigations                                  |                   |                        |                         |                     |                    |                              |                             |                              |                      |              |                |                          |
|   | Subtask 2.1 - Existing Information and Engineering Field Investigations       | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Subtask 2.2 - Topographic Survey and Subsurface Utility Investigation         | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Subtask 2.3 - Geotechnical Investigation and Report                           | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Task 2 - Subtotal   | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
| TASK 3  | Design Delivery and Permitting  |                   |                        |                         |                     |                    |                              |                             |                              |                      |              |                |                          |
|   | Subtask 3.1 - Basis of Design Memorandum and Conceptual (30 percent) Design   | 2                 | 8                      | 40                      | 20                  | 60                 | 0                            | 0                           | 0                            | 130                  | \$ 15,780.00 | \$ 58.24       | \$ 15,838.24             |
|   | Subtask 3.2 - Intermediate (60 percent) Design                                | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Subtask 3.3 - Pre-Final (90 percent) Design                                   | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Subtask 3.4 - Permitting Submittals and Coordination with Regulatory Agencies | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Subtask 3.5 - Final (100 percent) Design                                      | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Task 3 - Subtotal   | 2                 | 8                      | 40                      | 20                  | 60                 | 0                            | 0                           | 0                            | 130                  | \$ 15,780.00 | \$ 58.24       | \$ 15,838.24             |
| TASK 4  | Bid Phase Services  |                   |                        |                         |                     |                    |                              |                             |                              |                      |              |                |                          |
|   | Subtask 4.1 Bid Phase Services  | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Subtask 4.2 Prebid Meeting  | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Subtask 4.3 Response to Bidders Questions                                     | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Subtask 4.4 Bid Tabulation and Recommendations                                | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Subtask 4.5 Conformed Contract Documents                                      | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Total Task 4  | 0                 | 0                      | 0                       | 0                   | 0                  | 0                            | 0                           | 0                            | 0                    | \$ -         | \$ -           | \$ -                     |
|   | Labor Subtotal Hours  | 4                 | 16                     | 44                      | 20                  | 60                 | 0                            | 0                           | 0                            | 144                  |              |                |                          |
|   | Labor Raw Costs   | \$ 306.67         | \$ 1,013.33            | \$ 2,361.33             | \$ 693.33           | \$ 1,760.00        | \$ -                         | \$ -                        | \$ -                         |                      | \$ 6,134.67  |                |                          |
|   | Labor Subtotal (Bill Rate * Labor Subtotal Hours)                             | \$ 920.00         | \$ 3,040.00            | \$ 7,084.00             | \$ 2,080.00         | \$ 5,280.00        | \$ -                         | \$ -                        | \$ -                         |                      | \$ 18,404.00 |                |                          |
|   | PROJECT TOTAL   |                   |                        |                         |                     |                    |                              |                             |                              | 144                  | \$ 18,404.00 | \$ 116.48      | \$ 18,520.48             |



Estimate of Work Effort and Cost  
SUBCONSULTANT  
ATTACHMENT E  
BUDGET SUMMARY

|   |         |                    |           |              |
|---|---------|--------------------|-----------|--------------|
| Palm Beach County Water Utilities Department  |         |                    |           |              |
| Contract for Consulting/Professional Services MASTER LIFT STATION AND REPUMP IMPROVEMENTS WUD PROJECT NO. 20-043, PACKAGE IDENTIFICATION NO. CD08 |         |                    |           |              |
| Resolution No. R2021-0508 Contract Dated April 20, 2021   |         |                    |           |              |
| Consultant Services Authorization No.: 2.1  |         |                    |           |              |
| Consultant: MOCK, ROOS & ASSOCIATES, INC., sub-consultant to AECOM, Inc.  |         |                    |           |              |
| Project Title: LS5015 Conversion to Repump  |         |                    |           |              |
| PBCWUD Project No.: 21-062  |         |                    |           |              |
| Reimbursables   |         | Projected Quantity | Unit Cost | Project Cost |
|   |         |                    |           |              |
| Subtask 1.1 - Project Planning and Project Initiation Meeting   | Mileage | 93.180             | \$0.625   | \$58.24      |
|   |         |                    |           |              |
| Subtask 3.1 - Basis of Design Memorandum and Conceptual (30 percent) Design   | Mileage | 93.180             | \$0.625   | \$58.24      |
|   |         |                    |           |              |
| PROJECT TOTAL   |         |                    |           | \$116.48     |

## ATTACHMENT F

Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
*MASTER LIFT STATION AND REPUMP IMPROVEMENTS*  
Resolution No. R2021-0508 Contract Dated April 20, 2021

### SUMMARY OF SBE-M/WBE BUSINESS TRACKING

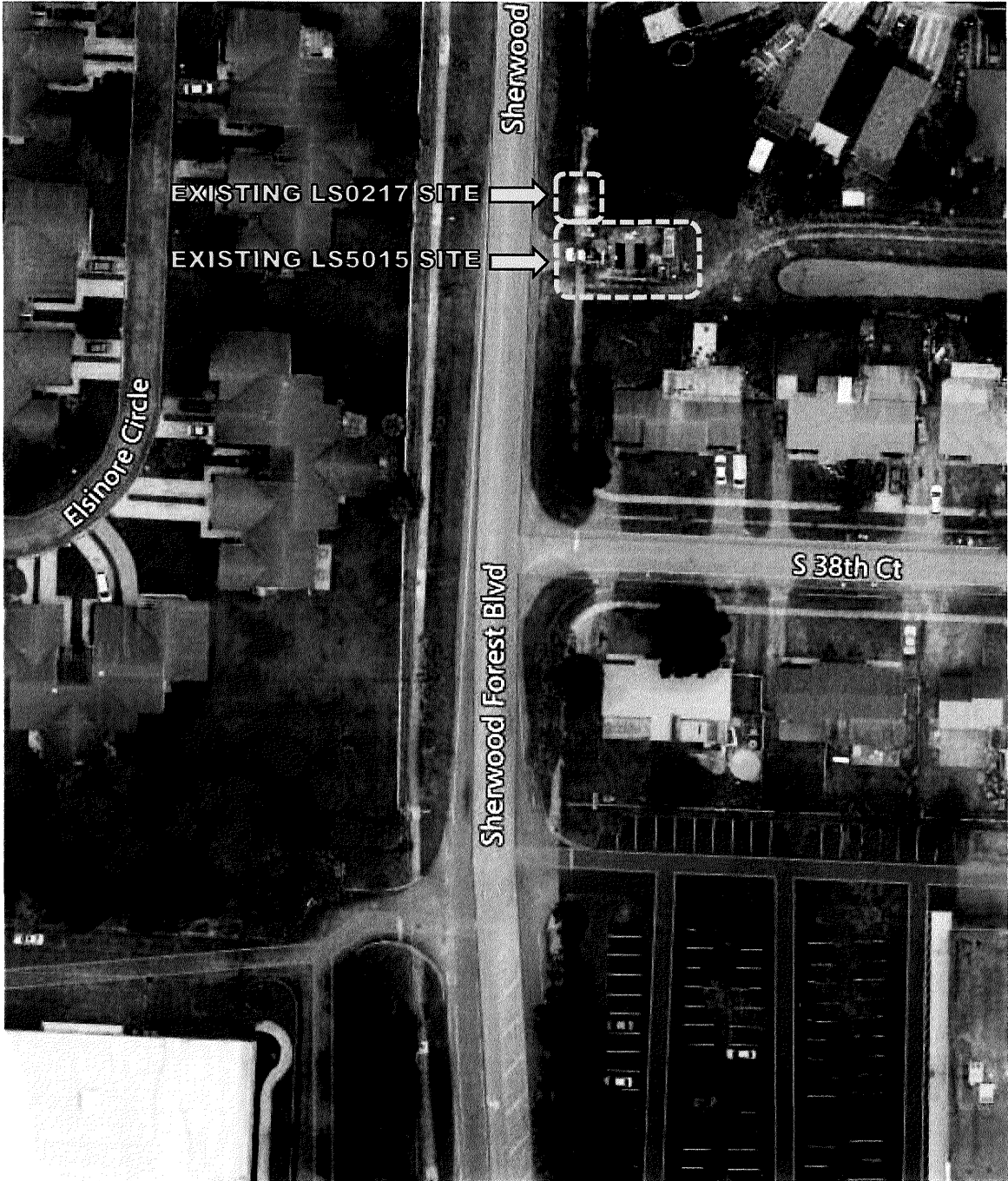
| Master Contract Goals                                | SBE:<br>31%  | MBE:<br>19%  | MBE<br>(B):<br>17% | MBE<br>(A):<br>2% |
|--|--------------|--------------|--------------------|-------------------|
|  |              |              |                    |                   |
| Current Proposal                                     |              |              |                    |                   |
| Value of Authorization No. <u>2.1</u>                | \$131,900.06 |              |                    |                   |
| Value of SBE-M/WBE Letters of Intent                 | \$7,245.00   | \$0.00       | \$0.00             | \$0.00            |
| Actual Percentage                                    | 5.49%        | 0.00%        | 0.00%              | 0.00%             |
|  |              |              |                    |                   |
| Signed/Approved Authorizations                       |              |              |                    |                   |
| Total Value of Authorizations                        | \$721,909.69 |              |                    |                   |
| Total Value of SBE-M/WBE Signed Subcontractors       | \$189,469.40 | \$131,608.32 | \$131,608.32       | \$0.00            |
| Actual Percentage                                    | 26.25%       | 18.23%       | 18.23%             | 0.00%             |
|  |              |              |                    |                   |
| Signed/Approved Authorizations Plus Current Proposal |              |              |                    |                   |
| Total Value of Authorization                         | \$853,709.75 |              |                    |                   |
| Total Value of Subcontractors & Letters of Intent    | \$196,714.40 | \$131,608.32 | \$131,608.32       | \$0.00            |
| Actual Percentage                                    | 23.04%       | 15.42%       | 15.42%             | 0.00%             |

Revised 12/06/2021

ATTACHMENT G

Location Map

PBCWUD Project No.: 21-062



Revised 04/26/2021

# Inter-Office Memorandum

---

Palm Beach County



Water Utilities Department

**DATE:** March 20, 2023

**TO:** File

**FROM:** Deavon Uter, P.E. *DCU*  
Stantec Project Manager

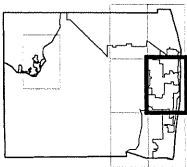
**RE:** Supplement No. 1 to CSA No. 2  
CD08: Lift Station 5015 Conversion to Repump  
WUD Project No. 21-062

This supplement for \$131,900.06 is for additional design services from AECOM Technical Services, Inc. (Consultant) for modifications to the Scope of Work for Lift Station 5015 Upgrades and Improvements based on direction from Palm Beach County Water Utilities Department.

Modifications to the Scope of Work are for additional engineering services including development of flow design conditions, revisions of project design based on the relocation of the proposed site, and the design of an emergency bypass system at the station.

cc: File  
Deavon Uter, P.E., Stantec Project Manager

## ATTACHMENT # 2



## Location Sketch



ATTACHMENT 3

Palm Beach County  
Compliance Summary Report

| Vendor Number | Vendor Name                   | AM Best Rating | Insurance Carrier                            | Policy #        | Eff. Date | Exp. Date | Coverage               | Contract Number | Contract Name   |
|---------------|-------------------------------|----------------|--|-----------------|-----------|-----------|------------------------|-----------------|---|
| DX00001378    | AECOM Technical Services Inc. | Modified       | Compliant                                    |                 |           |           |                        | 20-043          | Contract For Consulting/Professional Services Master Lift Station and Repump Improvements |
|               |                               | A++g , XV      | ACE American Insurance Company               | ISA H10735531   | 4/1/2023  | 4/1/2024  | Auto Liability         |                 |   |
|               |                               | A++g , XV      | ACE American Insurance Company               | HDOG47334275    | 4/1/2023  | 4/1/2024  | General Liability      |                 |   |
|               |                               | A++g , XV      | Illinois Union Insurance Company             | eong21654693005 | 4/1/2023  | 4/1/2024  | Professional Liability |                 |   |
|               |                               | A++g , XV      | Indemnity Insurance Company of North America | WLR C50710129   | 4/1/2023  | 4/1/2024  | Workers Comp           |                 |   |

Risk Profile : Standard - General Services

Required Additional Insured : Palm Beach County Board of County Commissioners

Ownership Entity :