# PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

#### AGENDA ITEM SUMMARY

Meeting Date:

April 2, 2024

Consent [X]

Regular []

Public Hearing []

Department:

**Water Utilities Department** 

#### I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: (A) a Contract for Consulting/Professional Services for South County Reclaimed Water Transmission Pipeline Phase 2 (Contract) with Chen Moore and Associates, Inc. (Consultant) and (B) Consultant Services Authorization (CSA) No. 1 to the Contract for Design, Bidding and Permitting Services (Project) for a not to exceed amount of \$2,668,156.41.

**Summary:** The Contract will provide consulting/professional services for South County Reclaimed Water Pipeline Phase 2. The Contract has a term of five (5) years. CSA No. 1 South County Reclaimed Water Transmission Pipeline-Phase 2 includes design, permitting and bidding services for a 4 mile of 24-inch reclaimed pipeline (Phase 2) connecting Phase 1A to Phase 1B and connecting Phase 1B to the Mandatory Reclaim Service Area (MRSA) which includes a reclaimed water booster pump station to maintain adequate pressure in the reclaimed water transmission line.

This Contract was procured under the requirements of the Equal Business Opportunity (EBO) Ordinance. On November 2, 2022, the Goal Setting Committee approved an Affirmative Procurement Initiative (API) of a minimum mandatory 25% 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. Consultant has met the established API. The Contract provides for 43% SBE participation, which includes 16% MBE participation, 16% MBE (B). CSA No. 1 includes 40.68% overall SBE participation which includes 36.12% MBE participation, 15.83% MBE (B). The cumulative SBE participation including CSA No. 1 is 40.60%, which includes 25.91% MBE participation, 15.85% (B). Consultant is headquartered in West Palm Beach, Florida where the majority of the work under the Contract will be undertaken. The Project is included in the PBCWUD FY24 budget. (Project No. 22-033 Contract and No. 23-053 CSA No. 1). District 5 (MWJ)

#### **Background and Justification:**

On April 5, 2016, the BCC approved an Interlocal Agreement (ILA) (R2016-0470) with Broward County related to the construction, ownership, operation and maintenance of a Regional Reclaimed Water System (Agreement) to deliver reclaimed water from Broward County's northern wastewater treatment plant to the PBCWUD service area. The First Amendment to the Agreement was approved by the BCC on August 15, 2017 (R2017-1052). This project has been divided into three (3) segments. Phase 1A is completing construction, Phase 1B and Phase 1C are under design. Phase 2 design will connect Phase 1A to Phase 1B and connect Phase 1B to the Mandatory Reclaim Service Area (MRSA). Consultant was procured under the provisions of Florida Statues 287.055 (Consultants 'Competitive Negotiation Act) and the Countywide PPM CW-O-048.

#### Attachments:

1. Two (2) Original Contracts for Chen Moore and Associates, Inc.

2. Two (2) Consultant Service Authorization No. 1 for Chen Moore and Associates, Inc.

3. Location Map

4. Ebix Compliance Summary Report

Recommended By:

Approved By:

Department Director

Date

Assistant County Administrator

[8]

# II. FISCAL IMPACT ANALYSIS

# A. Five Year Summary of Fiscal Impact:

| A. Five Year Summary of Fiscal Impact:  |   |                    |                                   |  |          |  |
|---|---|--------------------|-----------------------------------|--|----------|--|
| Fiscal Years  | 2024  | 2025               | 2026                              | 2027   | 2028     |  |
| Capital Expenditures Operating Costs External Revenues Program Income (County) In-Kind Match County | \$2,668,157<br><u>0</u><br>(\$2,668,157)<br><u>0</u><br>0 | <u>0</u><br>0<br>0 | <u> </u>                          | <u>0</u><br><u>0</u><br><u>0</u><br><u>0</u> | <u> </u> |  |
| NET FISCAL IMPACT   | <u>0</u>  | <u>0</u>           | <u>0</u>                          | <u>0</u>                                     | <u>0</u> |  |
| # ADDITIONAL FTE POSITIONS (Cumulative)   | <u>0</u>  | <u>0</u>           | <u>0</u>                          | <u>0</u>                                     | <u>0</u> |  |
| Budget Account No.: Fu  | nd <u>4011</u> Dept                                       | <u>721</u> Unit    | <u>W039</u> Obje                  | ect <u>6543</u>                              |          |  |
| Is Item Included in Current B   | udget?  | Ye                 | s <u>X</u> No                     |  |          |  |
| Is this item using Federal Fu   | nds?  | Ye                 | s No _                            | <u>X</u>                                     |          |  |
| Is this item using State Fund   | s?  | Ye                 | s No _                            | X  |          |  |
| Reporting Category <u>N/A</u>   |   |                    |                                   |  |          |  |
| B. Recommended Sour   | ces of Funds/Sun  | nmary of Fisc      | cal Impact:                       |  |          |  |
| All project cost will be  | reimbursed by Bro   | ward County        |                                   |  |          |  |
| C. Department Fiscal Review: Dony Baleman GE  III. REVIEW COMMENTS                                  |   |                    |                                   |  |          |  |
|   | III. KLVILV   | COMMENTS           |                                   |  |          |  |
| A. OFMB Fiscal and/or   | Contract Develop  | ment and Co        | ontrol Comme                      | nts:   |          |  |
| OFMB (  | 3/8/2027<br>JA 2/0<br>MAY 3/6                             | _/ .               | MAA MA<br>ct Developmer<br>13 /34 | chlor 3/19<br>nt and Control                 | 1/24     |  |
| B. Legal Sufficiency:   |   |                    |                                   |  |          |  |
| Assistant Cour  |   | 24                 |                                   |  |          |  |
| C. Other Department R   | eview:  |                    |                                   |  |          |  |
|   |   |                    |                                   |  |          |  |

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

Department Director

#### CONTRACT FOR CONSULTING/PROFESSIONAL SERVICES SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2 PBCWUD PROJECT NO. 22-033, PACKAGE IDENTIFICATION NO. CD-09

This Contract is made as of the 2nd day of April, 2024, by and between Palm Beach County, a Political Subdivision of the State of Florida, by and through its Board of Commissioners, hereinafter referred to as the COUNTY, and Chen Moore and Associates, Inc., authorized to do business in the State of Florida, hereinafter referred to as the CONSULTANT, whose Federal I.D. is 59-2739866.

In consideration of the mutual promises contained herein, the COUNTY and the CONSULTANT agree as follows:

#### **ARTICLE 1 - SERVICES**

The CONSULTANT's responsibility under this Contract is to provide professional/consultation services in the area of engineering, as more specifically set forth in the Scope of Work detailed in **Exhibit A**.

The services shall be provided on an as needed basis which shall be requested through individual Consultant Services Authorizations, an example of which is attached hereto and incorporated herein as **Exhibit B**.

The services shall be provided in accordance with the Scope of Work detailed in **Exhibit A**, each executed Consultant Services Authorization and the Proposal submitted by CONSULTANT in response to the Request for Proposal for **SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2**, **PBCWUD PROJECT NO. 22-033**. A copy of said Proposal is on file with the Palm Beach County Water Utilities Department, 8100 Forest Hill Blvd., West Palm Beach, FL 33413.

The COUNTY's representative/liaison during the performance of this Contract shall be *Krystin Berntsen*, *P.E.*, *PMP*, and telephone no. 561-493-6000.

The CONSULTANT's representative/liaison during the performance of this Contract shall be Suzanne Dombrowski, P.E., ENV SP, telephone no. 561-746-6900.

#### ARTICLE 2 - SCHEDULE

This Contract for the above described services will commence upon the date of Board approval and shall remain in effect for a period of five (5) years from that date, unless otherwise terminated as provided herein.

#### **ARTICLE 3 - PAYMENTS TO CONSULTANT**

A. The COUNTY will pay the CONSULTANT an hourly not-to-exceed fee, and/or a lump

sum fee, as may be required for each Consultant Services Authorization issued. The total amount to be paid by the COUNTY under each Consultant Services Authorization for all services and materials including, if applicable, "out of pocket" expenses shall not exceed the amount approved in each Consultant Services Authorization. The COUNTY must authorize each Consultant Services Authorization in writing prior to commencement of the work. The execution of this Contract by the parties does not guarantee any minimum level of work or that any Consultant Services Authorization will be issued by the COUNTY to the CONSULTANT under this Contract.

- B. All labor rates, overhead and profit factors may be subject to audit. Hourly raw labor rates shall not include any employer paid fringe benefits such as social security contributions, unemployment excise and payroll taxes and worker's compensation. The scheduled range of hourly raw labor rates by labor category as set forth in **Exhibit C** is attached hereto and made a part hereof. The scheduled range of hourly raw labor rates, as well as the individual hourly raw labor rates charged by CONSULTANT, may only be adjusted after a period of one year (and annually thereafter) from the effective date of the Contract, subject to the approval of COUNTY. This Contract includes an overall overhead and profit factor of 3.0. The COUNTY agrees to pay the CONSULTANT compensation for services rendered based upon the established actual hourly raw labor rates for services rendered by personnel directly engaged on COUNTY projects, multiplied by an overall overhead and profit factor.
- C. The CONSULTANT will bill the COUNTY on a monthly basis, or as otherwise provided, for services rendered toward the completion of the Scope of Work. Where incremental billings for partially completed items are permitted, the total billings shall not exceed the estimated percentage of completion as of the billing date. Invoices for lump sum fees and not-to-exceed fees shall be supported by a progress report containing detailed descriptions of work completed within the payment period and include the percentage completion of each sub-task as described in each Consultant Services Authorization. CONSULTANT shall also submit OEBO Schedules, Schedule 3(A) Professional Services Activity Report and Schedule 4 Subcontractor/Subconsultant Payment Certification, with each invoice.
- D. The CONSULTANT shall separately notify the COUNTY's representative in writing when 75% of the lump sum fee or 75% of the not-to-exceed fee are reached.
- E. "Out-of-pocket" expenses will be reimbursed up to an amount not to exceed that approved in each Consultant Services Authorization, and in accordance with the list of the types and amounts of expenditures eligible for reimbursement. All requests for payment of "out-of-pocket" expenses eligible for reimbursement under the terms of this Contract and each applicable Consultant Services Authorization shall include copies of paid receipts, invoices, or other documentation acceptable to the Palm Beach County Finance Department. Such documentation shall be sufficient to establish that the expense was actually incurred and necessary in the performance of the Consultant Services Authorization. Any travel, per diem, mileage, meals, or lodging expenses which may be reimbursable under the terms of this Contract and each applicable Consultant Services

Authorization will be paid in accordance with the rates and conditions set forth in Section 112.061, Florida Statutes.

- F. Invoices received from the CONSULTANT pursuant to this Contract will be reviewed and approved by the COUNTY's representative, to verify that services have been rendered in conformity with the Contract and applicable Consultant Services Authorization. Approved invoices will then be sent to the Finance Department for payment. Invoices will normally be paid within thirty (30) days following the COUNTY representative's approval.
- G. <u>Final Invoice</u>: In order for both parties herein to close their books and records, the CONSULTANT will clearly state "final invoice" on the CONSULTANT's final/last billing to the COUNTY. This shall constitute CONSULTANT's certification that all services have been properly performed and all charges and costs have been invoiced to COUNTY. Any other charges not properly included on this final invoice are waived by the CONSULTANT.
- H. In order to do business with Palm Beach County, CONSULTANTS are required to create a Vendor Registration Account OR activate an existing Vendor Registration Account through the Purchasing Department's Vendor Self Service (VSS) system, which can be accessed at <a href="https://pbcvssp.co.palmbeach.fl.us/webapp/vssp/AltSelfService">https://pbcvssp.co.palmbeach.fl.us/webapp/vssp/AltSelfService</a>. If CONSULTANT intends to use sub-consultants, CONSULTANT must also ensure that all sub-consultants are registered as consultants in VSS. All subcontractor agreements must include a contractual provision requiring that the sub-consultant register in VSS. COUNTY will not finalize a contract award until the COUNTY has verified that the CONSULTANT and all of its sub-consultants are registered in VSS.

#### **ARTICLE 4 - TRUTH-IN-NEGOTIATION CERTIFICATE**

Signature of this Contract by the CONSULTANT shall also act as the execution of a truth-innegotiation certificate certifying that the wage rates, over-head charges, and other costs used to determine the compensation provided for in this Contract are accurate, complete and current as of the date of the Contract and no higher than those charged the CONSULTANT's most favored customer for the same or substantially similar service.

The said rates and costs shall be adjusted to exclude any significant sums should the COUNTY determine that the rates and costs were increased due to inaccurate, incomplete or noncurrent wage rates or due to inaccurate representations of fees paid to outside consultants. The COUNTY shall exercise its rights under this Article 4 within three (3) years following final payment.

#### **ARTICLE 5 - TERMINATION**

This Contract may be terminated by the CONSULTANT upon sixty (60) days' prior written notice to the COUNTY in the event of substantial failure by the COUNTY to perform in accordance with the terms of this Contract through no fault of the CONSULTANT. It may also be terminated, in whole or in part, by the COUNTY, with cause, upon five (5) business day's written notice to

the CONSULTANT or without cause upon ten (10) business day's written notice to the CONSULTANT. Unless the CONSULTANT is in breach of this Contract, the CONSULTANT shall be paid for services rendered to the COUNTY's satisfaction through the date of termination.

After receipt of a Termination Notice, except as otherwise directed by the COUNTY, in writing, the CONSULTANT shall:

- A. Stop work on the date and to the extent specified.
- B. Terminate and settle all orders and subcontracts relating to the performance of the terminated work.
- C. Transfer all work in process, completed work, and other materials related to the terminated work to the COUNTY.
- D. Continue and complete all parts of the work that have not been terminated.

#### **ARTICLE 6 - PERSONNEL**

The CONSULTANT represents that it has, or will secure at its own expense, all necessary personnel required to perform the services under this Contract. Such personnel shall not be employees of or have any contractual relationship with the COUNTY.

All of the services required herein shall be performed by the CONSULTANT or under its supervision, and all personnel engaged in performing the services shall be fully qualified and, if required, authorized or permitted under state and local law to perform such services.

Any changes or substitutions in the CONSULTANT's key personnel, as may be listed in **Exhibit** A, must be made known to the COUNTY's representative and written approval must be granted by the COUNTY's representative before said change or substitution can become effective.

The CONSULTANT warrants that all services shall be performed by skilled and competent personnel to the highest professional standards in the field.

All of the CONSULTANT's personnel (and all subcontractors), while on County premises, will comply with all COUNTY requirements governing conduct, safety and security.

#### **ARTICLE 7 - SUBCONTRACTING**

The COUNTY reserves the right to accept the use of a subcontractor or to reject the selection of a particular subcontractor and to inspect all facilities of any subcontractors in order to make a determination as to the capability of the subcontractor to perform properly under this Contract. The CONSULTANT is encouraged to seek additional small business enterprises for participation in subcontracting opportunities. If the CONSULTANT uses any subcontractors on this project the following provisions of this Article shall apply:

If a subcontractor fails to perform or make progress, as required by this Contract, and it is necessary to replace the subcontractor to complete the work in a timely fashion, the CONSULTANT shall promptly do so, subject to acceptance of the new subcontractor by the COUNTY.

It is the policy of the Board of County Commissioners of Palm Beach County, Florida (the Board) that all segments of its business population including, but not limited to, small, local, minority, and women owned businesses, have an equitable opportunity to participate in the County's procurement process, prime contract and subcontract opportunities. In pursuance of that policy, the Board adopted an Equal Business Opportunity (EBO) Ordinance which is codified in Section 2-80.20 through 2-80.30 (as may be amended) of the Palm Beach County Code. The EBO Ordinance sets forth the County's requirements for the EBO program, and is incorporated herein and made part of this Contract. Non-compliance with the EBO Ordinance must be corrected within fifteen (15) days of notice of non-compliance. Failure to comply with the EBO Ordinance may result in any of the following penalties:

- Suspension of Contract;
- Withholding of funds;
- Termination of the Contract based upon a material breach of contract pertaining to the EBO Program compliance;
- Suspension or debarment of CONSULTANT from eligibility for providing goods or services to the COUNTY for a period not to exceed three (3) years; and
- Liquidated damages equal to the difference in the dollar value of S/M/WBE participation as committed to in the Contract, and the dollar value of S/M/WBE participation as actually achieved.

The CONSULTANT must adhere to the Affirmative Procurement Initiatives (APIs) as incorporated herein as Attachment 1, including RFP, and the specifications set forth in CONSULTANT's response, which are both incorporated herein by reference. The CONSULTANT has agreed to meet or exceed a 43.00% SBE Participation which includes 16% MBE participation and 16.00% MBE (B). Failure to comply with this Article 7 is a material breach of this Contract.

- i. CONSULTANT shall report all subcontractor payment information on EBO forms 3a and 4, or as otherwise required by EBO, and, when the EBO portal is available, input subcontractor payment information directly into the County's contract management system.
  - CONSULTANT shall pay subcontractors undisputed amounts within ten (10) days after County pays the CONSULTANT. In the event of a disputed invoice, the CONSULTANT shall send the subcontractor(s) and County a written notice of the dispute within five (5) days after receipt of the subject invoice.
- ii. CONSULTANT must notify the Office of EBO of changes in S/M/WBE utilization and get prior approval for any substitutions.

The CONSULTANT agrees to pay its subconsultants in compliance with the Florida Prompt

Payment Act. In the event CONSULTANT fails to comply with payments(s) to its subconsultants in accordance with the Florida Prompt Payment Act, CONSULTANT shall be subject to any and all penalties and sanctions available under the terms of the EBO Program, its contract with the County, or any other applicable law.

The Office of EBO has the right to review CONSULTANT's records and interview Subcontractors.

The CONSULTANT shall be required to submit to the COUNTY OEBO Schedule 1 (List of Proposed Contractor/Consultant and Subcontractor/Subconsultants Participation) and OEBO Schedule 2 (Letter of Intent) to further indicate the specific participation anticipated, for each Consultant Services Authorization. **Exhibit D** includes the SBE Schedules submitted with the CONSULTANT's Proposal referenced in ARTICLE 1.

The CONSULTANT agrees to maintain all relevant records and information necessary to document compliance with the Palm Beach County Code and will allow the COUNTY to inspect such records.

#### ARTICLE 8 - FEDERAL AND STATE TAX

The COUNTY is exempt from payment of Florida State Sales and Use Taxes. The COUNTY will sign an exemption certificate submitted by the CONSULTANT. The CONSULTANT shall <u>not</u> be exempted from paying sales tax to its suppliers for materials used to fulfill contractual obligations with the COUNTY, nor is the CONSULTANT authorized to use the COUNTY's Tax Exemption Number in securing such materials.

The CONSULTANT shall be responsible for payment of its own and its share of its employees' payroll, payroll taxes, and benefits with respect to this Contract.

#### **ARTICLE 9 - AVAILABILITY OF FUNDS**

The COUNTY's performance and obligation to pay under this Contract for subsequent fiscal years are contingent upon annual appropriations for its purpose by the Board of County Commissioners.

#### **ARTICLE 10 - INSURANCE**

A. CONSULTANT shall, at its sole expense, agree to maintain in full force and effect at all times during the life of this Contract, insurance coverages and limits (including endorsements), as described herein. CONSULTANT shall agree to provide the COUNTY with at least ten (10) day prior notice of any cancellation, non-renewal or material change to the insurance coverages. The requirements contained herein, as well as COUNTY's review or acceptance of insurance maintained by CONSULTANT are not intended to and shall not in any manner limit or qualify the liabilities and obligations assumed by CONSULTANT under the Contract.

- B. <u>Commercial General Liability</u> CONSULTANT shall maintain Commercial General Liability at a limit of liability not less than \$500,000 Each Occurrence. Coverage shall not contain any endorsement excluding Contractual Liability or Cross Liability unless granted in writing by COUNTY's Risk Management Department. CONSULTANT shall provide this coverage on a primary basis.
- C. Business Automobile Liability CONSULTANT shall maintain Business Automobile Liability at a limit of liability not less than \$500,000 Each Accident for all owned, non-owned and hired automobiles. In the event CONSULTANT doesn't own any automobiles, the Business Auto Liability requirement shall be amended allowing CONSULTANT to agree to maintain only Hired & Non-Owned Auto Liability. This amended requirement may be satisfied by way of endorsement to the Commercial General Liability, or separate Business Auto coverage form. CONSULTANT shall provide this coverage on a primary basis.
- D. <u>Worker's Compensation Insurance & Employers Liability</u> CONSULTANT shall maintain Worker's Compensation & Employers Liability in accordance with Florida Statute Chapter 440. CONSULTANT shall provide this coverage on a primary basis.
- E. **Professional Liability** CONSULTANT shall maintain Professional Liability or equivalent Errors & Omissions Liability at a limit of liability not less than \$3,000,000 Each Claim. When a self-insured retention (SIR) or deductible exceeds \$10,000, COUNTY reserves the right, but not the obligation, to review and request a copy of CONSULTANT's most recent annual report or audited financial statement. For policies written on a "Claims-Made" basis, CONSULTANT shall maintain a Retroactive Date prior to or equal to the effective date of this Contract. The Certificate of Insurance providing evidence of the purchase of this coverage shall clearly indicate whether coverage is provided on an "occurrence" or "claims - made" form. If coverage is provided on a "claims - made" form the Certificate of Insurance must also clearly indicate the "retroactive date" of coverage. In the event the policy is canceled, non-renewed, switched to an Occurrence Form, retroactive date advanced, or any other event triggering the right to purchase a Supplement Extended Reporting Period (SERP) during the life of this Contract, CONSULTANT shall purchase a SERP with a minimum reporting period not less than three (3) years. CONSULTANT shall provide this coverage on a primary basis.
- F. Additional Insured CONSULTANT shall endorse the COUNTY as an Additional Insured with a CG 2026 Additional Insured Designated Person or Organization endorsement, or its equivalent, to the Commercial General Liability. The Additional Insured endorsement shall read "Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its Officers, Employees and Agents." CONSULTANT shall provide the Additional Insured endorsements coverage on a primary basis.
- G. <u>Waiver of Subrogation</u> CONSULTANT hereby waives any and all rights of Subrogation against the County, its officers, employees and agents for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss agreement to waive subrogation without an endorsement to the policy, then

CONSULTANT shall agree to notify the insurer and request the policy be endorsed with a Waiver of Transfer of rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy, which specifically prohibits such an endorsement, or which voids coverage should CONSULTANT enter into such an agreement on a pre-loss basis.

H. Certificate(s) of Insurance Prior to execution of this Contract, CONSULTANT shall deliver to the COUNTY'S representative as identified in Article 26, a Certificate(s) of Insurance evidencing that all types and amounts of insurance coverages required by this Contract have been obtained and are in full force and effect. Such Certificate(s) of Insurance shall include a minimum ten (10) day endeavor to notify due to cancellation or non-renewal of coverage. The certificate of insurance shall be issued to

| Palm Beach County                    |  |
|--------------------------------------|--|
| Water Utilities Department           |  |
| c/o Director of Engineering Division |  |
| 8100 Forest Hill Boulevard           |  |
| West Palm Beach, Florida, 33413      |  |

- I. <u>Umbrella or Excess Liability</u> If necessary, CONSULTANT may satisfy the minimum limits required above for Commercial General Liability, Business Auto Liability, and Employer's Liability coverage under Umbrella or Excess Liability. The Umbrella or Excess Liability shall have an Aggregate limit not less than the highest "Each Occurrence" limit for either Commercial General Liability, Business Auto Liability, or Employer's Liability. The COUNTY shall be specifically endorsed as an "Additional Insured" on the Umbrella or Excess Liability, unless the Certificate of Insurance notes the Umbrella or Excess Liability provides coverage on a "Follow-Form" basis.
- J. Right to Review COUNTY, by and through its Risk Management Department, in cooperation with the Contracting/Monitoring Department, reserves the right to review, modify, reject or accept any required policies of insurance, including limits, coverages, or endorsements, herein from time to time throughout the term of this Contract. COUNTY reserves the right, but not the obligation, to review and reject any insurer providing coverage because of its poor financial condition or failure to operate legally.

### **ARTICLE 11 - INDEMNIFICATION**

CONSULTANT shall indemnify and hold harmless COUNTY, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of CONSULTANT and other persons employed or utilized by the CONSULTANT in the performance of the Contract.

#### ARTICLE 12 - SUCCESSORS AND ASSIGNS

The COUNTY and the CONSULTANT each binds itself and its partners, successors, executors, administrators and assigns to the other party and to the partners, successors, executors, administrators and assigns of such other party, in respect to all covenants of this Contract. Except as above, neither the COUNTY nor the CONSULTANT shall assign, sublet, convey or transfer its interest in this Contract without the prior written consent of the other.

### **ARTICLE 13 - REMEDIES**

This Contract shall be governed by the laws of the State of Florida. Any legal action necessary to enforce the Contract will be held in a court of competent jurisdiction located in Palm Beach County, Florida. No remedy herein conferred upon any party is intended to be exclusive of any other remedy, and each and every such remedy shall be cumulative and shall be in addition to every other remedy given hereunder or now or hereafter existing at law or in equity, by statute or otherwise. No single or partial exercise by any party of any right, power, or remedy hereunder shall preclude any other or further exercise thereof.

No provision of this Contract is intended to, or shall be construed to, create any third party beneficiary or to provide any rights to any person or entity not a party to this Contract, including but not limited to any citizen or employees of the COUNTY and/or CONSULTANT.

THE PARTIES HEREBY WAIVE ANY RIGHTS EITHER OF THEM MAY HAVE TO A JURY TRIAL IN ANY LITIGATION ARISING OUT OF OR RELATED TO THIS CONTRACT AND AGREE THAT THEY SHALL NOT ELECT A TRIAL BY JURY. THE PARTIES HERETO HAVE SEPARATELY, KNOWINGLY AND VOLUNTARILY GIVEN THIS WAIVER OF RIGHT TO TRIAL BY JURY WITH THE BENEFIT OF COMPETENT LEGAL COUNSEL.

#### **ARTICLE 14 - CONFLICT OF INTEREST**

The CONSULTANT represents that it presently has no interest and shall acquire no interest, either direct or indirect, which would conflict in any manner with the performance of services required hereunder, as provided for in Chapter 112, Part III, Florida Statutes, and the Palm Beach County Code of Ethics. The CONSULTANT further represents that no person having any such conflict of interest shall be employed for said performance of services.

The CONSULTANT shall promptly notify the COUNTY's representative, in writing, by certified mail, of all potential conflicts of interest of any prospective business association, interest or other circumstance which may influence or appear to influence the CONSULTANT's judgement or quality of services being provided hereunder. Such written notification shall identify the prospective business association, interest or circumstance, the nature of work that the CONSULTANT may undertake and request an opinion of the COUNTY as to whether the association, interest or circumstance would, in the opinion of the COUNTY, constitute a conflict of interest if entered into by the CONSULTANT. The COUNTY agrees to notify the CONSULTANT of its opinion by

certified mail within thirty (30) days of receipt of notification by the CONSULTANT. If, in the opinion of the COUNTY, the prospective business association, interest or circumstance would not constitute a conflict of interest by the CONSULTANT, the COUNTY shall so state in the notification and the CONSULTANT shall, at its option, enter into said association, interest or circumstance and it shall be deemed not in conflict of interest with respect to services provided to the COUNTY by the CONSULTANT under the terms of this Contract.

#### ARTICLE 15 - EXCUSABLE DELAYS

The CONSULTANT shall not be considered in default by reason of any failure in performance if such failure arises out of causes reasonably beyond the control of the CONSULTANT or its subcontractors and without their fault or negligence. Such causes include, but are not limited to, acts of God, force majeure, natural or public health emergencies, labor disputes, freight embargoes, and abnormally severe and unusual weather conditions.

Upon the CONSULTANT's request, the COUNTY shall consider the facts and extent of any failure to perform the work and, if the CONSULTANT's failure to perform was without it or its subcontractors fault or negligence, the Contract Schedule and/or any other affected provision of this Contract shall be revised accordingly, subject to the COUNTY's rights to change, terminate, or stop any or all of the work at any time.

#### **ARTICLE 16 - ARREARS**

The CONSULTANT shall not pledge the COUNTY's credit or make it a guarantor of payment or surety for any contract, debt, obligation, judgement, lien, or any form of indebtedness. The CONSULTANT further warrants and represents that it has no obligation or indebtedness that would impair its ability to fulfill the terms of this Contract.

#### ARTICLE 17 - DISCLOSURE AND OWNERSHIP OF DOCUMENTS

The CONSULTANT shall deliver to the COUNTY's representative for approval and acceptance, and before being eligible for final payment of any amounts due, all documents and materials prepared by and for the COUNTY under this Contract.

To the extent allowed by Chapter 119, Florida Statutes, all written and oral information not in the public domain or not previously known, and all information and data obtained, developed, or supplied by the COUNTY or at its expense will be kept confidential by the CONSULTANT and will not be disclosed to any other party, directly or indirectly, without the COUNTY's prior written consent unless required by a lawful court order. All drawings, maps, sketches, programs, data base, reports and other data developed, or purchased, under this Contract for or at the COUNTY's expense shall be and remain the COUNTY's property and may be reproduced and reused at the discretion of the COUNTY.

All covenants, agreements, representations and warranties made herein, or otherwise made in writing by any party pursuant hereto, including but not limited to any representations made herein

relating to disclosure or ownership of documents, shall survive the execution and delivery of this Contract and the consummation of the transactions contemplated hereby.

Notwithstanding any other provision in this Contract, all documents, records, reports and any other materials produced hereunder shall be subject to disclosure, inspection and audit, pursuant to the Palm Beach County Office of the Inspector General, Palm Beach County Code, Sections 2-421 - 2-440, as amended.

The CONSULTANT shall be allowed to retain a copy of its work for its record purposes.

#### **ARTICLE 18 - INDEPENDENT CONTRACTOR RELATIONSHIP**

The CONSULTANT is, and shall be, in the performance of all work services and activities under this Contract, an Independent Contractor, and not an employee, agent, or servant of the COUNTY. All persons engaged in any of the work or services performed pursuant to this Contract shall at all times, and in all places, be subject to the CONSULTANT's sole direction, supervision, and control. The CONSULTANT shall exercise control over the means and manner in which it and its employees perform the work, and in all respects the CONSULTANT's relationship and the relationship of its employees to the COUNTY shall be that of an Independent Contractor and not as employees or agents of the COUNTY.

The CONSULTANT does not have the power or authority to bind the COUNTY in any promise, agreement or representation.

#### **ARTICLE 19 - CONTINGENT FEES**

The CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the CONSULTANT to solicit or secure this Contract and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the CONSULTANT, any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from the award or making of this Contract.

#### **ARTICLE 20 - ACCESS AND AUDITS**

The CONSULTANT shall maintain adequate records to justify all charges, expenses, and costs incurred in estimating and performing the work for at least five (5) years after completion or termination of this Contract. The COUNTY shall have access to such books, records, and documents as required in this section for the purpose of inspection or audit during normal business hours, at the CONSULTANT's place of business.

COUNTY has established the Office of the Inspector General in Palm Beach County Code, Section 2-421-2-440, as may be amended. The Inspector General's authority includes but is not limited to the power to review past, present and proposed COUNTY contracts, transactions, accounts and records, to require the production of records, and to audit, investigate, monitor, and inspect the

activities of the CONSULTANT, its officers, agents, employees, and lobbyists in order to ensure compliance with contract requirements and detect corruption and fraud.

Failure to cooperate with the Inspector General or interfering with or impeding any investigation shall be in violation of Palm Beach County Code, Section 2-421 - 2-440, and punished pursuant to Section 125.69, Florida Statutes, in the same manner as a second degree misdemeanor.

#### **ARTICLE 21 - NONDISCRIMINATION**

The COUNTY is committed to assuring equal opportunity in the award of contracts and complies with all laws prohibiting discrimination. Pursuant to Palm Beach County Resolution R2017-1770, as may be amended, the CONSULTANT warrants and represents that throughout the term of the Contract, including any renewals thereof, if applicable, all of its employees are treated equally during employment without regard to race, color, religion, disability, sex, age, national origin, ancestry, marital status, familial status, sexual orientation, gender identity or expression, or genetic information. Failure to meet this requirement shall be considered default of the Contract.

As a condition of entering into this Contract, the CONSULTANT represents and warrants that it will comply with the COUNTY's Commercial Nondiscrimination Policy as described in Resolution 2017-1770, as amended. As a part of such compliance, the CONSULTANT shall not discriminate on the basis of race, color, national origin, religion, ancestry, sex, age, marital status, familial status, sexual orientation, gender identity or expression, disability, or genetic information in the solicitation, selection, hiring or commercial treatment of subcontractors, vendors, suppliers, or commercial customers, nor shall the CONSULTANT retaliate against any person for reporting instances of such discrimination. The CONSULTANT shall provide equal opportunity for subcontractors, vendors, and suppliers to participate in all of its public sector and private sector subcontracting and supply opportunities, provided that nothing contained in this clause shall prohibit or limit otherwise lawful efforts to remedy the effects of marketplace discrimination that have occurred or are occurring in the County's relevant marketplace in Palm Beach County. The CONSULTANT understands and agrees that a material violation of this clause shall be considered a material breach of this Contract and may result in termination of this Contract, disqualification or debarment of the company from participating in County contracts, or other sanctions. This clause is not enforceable by or for the benefit of, and creates no obligation to, any third party. CONSULTANT shall include this language in its subcontracts.

#### **ARTICLE 22 - AUTHORITY TO PRACTICE**

The CONSULTANT hereby represents and warrants that it has and will continue to maintain all licenses and approvals required to conduct its business, and that it will at all times conduct its business activities in a reputable manner. Proof of such licenses and approvals shall be submitted to the COUNTY's representative upon request.

#### **ARTICLE 23 - SEVERABILITY**

If any term or provision of this Contract, or the application thereof to any person or circumstances

shall, to any extent, be held invalid or unenforceable, the remainder of this Contract, or the application of such terms or provision, to persons or circumstances other than those as to which it is held invalid or unenforceable, shall not be affected, and every other term and provision of this Contract shall be deemed valid and enforceable to the extent permitted by law.

#### **ARTICLE 24 - PUBLIC ENTITY CRIMES**

As provided in F.S. 287.132-133, by entering into this Contract or performing any work in furtherance hereof, the CONSULTANT certifies that it, its affiliates, suppliers, subcontractors and consultants who will perform hereunder, have not been placed on the convicted vendor list maintained by the State of Florida Department of Management Services within the 36 months immediately preceding the date hereof. This notice is required by F.S. 287.133(3)(a).

#### **ARTICLE 25 - MODIFICATIONS OF WORK**

The COUNTY reserves the right to make changes in Scope of Work, including alterations, reductions therein or additions thereto. Upon receipt by the CONSULTANT of the COUNTY's notification of a contemplated change, the CONSULTANT shall, in writing: (1) provide a detailed estimate for the increase or decrease in cost due to the contemplated change, (2) notify the COUNTY of any estimated change in the completion date, and (3) advise the COUNTY if the contemplated change shall affect the CONSULTANT's ability to meet the completion dates or schedules of this Contract.

If the COUNTY so instructs in writing, the CONSULTANT shall suspend work on that portion of the Scope of Work affected by a contemplated change, pending the COUNTY's decision to proceed with the change.

If the COUNTY elects to make the change, the COUNTY shall initiate a Contract Amendment and the CONSULTANT shall not commence work on any such change until such written amendment is signed by the CONSULTANT and approved and executed on behalf of Palm Beach County.

The Contract or any Consultant Services Authorization may be terminated by the COUNTY without cause or prior notice. In the event of termination not the fault of the CONSULTANT, the CONSULTANT shall be compensated for all services performed through the date of termination, together with reimbursable expenses (if applicable) then due.

#### **ARTICLE 26 - NOTICE**

All notices required in this Contract shall be sent by certified mail, return receipt requested, hand delivery or other delivery service requiring signed acceptance. If sent to the COUNTY, notices shall be addressed to:

Palm Beach County Water Utilities Department c/o Krystin Berntsen, P.E., PMP

8100 Forest Hill Blvd West Palm Beach, FL 33413

With copy to:

Palm Beach County Attorney's Office 301 North Olive Ave.
West Palm Beach, Florida 33401

If sent to the CONSULTANT, notices shall be addressed to:

Chen Moore and Associates, C/O Suzanne Dombrowski, PE. ENV SP 500 S Australian Avenue, Suite 850 West Palm Beach, FL, 33401 561-537-4578 sdombrowski@chenmoore.com

#### **ARTICLE 27 - ENTIRETY OF CONTRACTUAL AGREEMENT**

The COUNTY and the CONSULTANT agree that this Contract, and any Consultant Services Authorization issued hereunder, sets forth the entire agreement between the parties, and that there are no promises or understandings other than those stated herein and therein. None of the provisions, terms and conditions contained in this Contract may be added to, modified, superseded or otherwise altered, except by written instrument executed by the parties hereto in accordance with Article 25- Modifications of Work, or as set forth in a Consultant Services Authorization.

#### ARTICLE 28 - CRIMINAL HISTORY RECORDS CHECK

The CONSULTANT, CONSULTANT's employees, subcontractors of CONSULTANT and employees of subcontractors shall comply with Palm Beach County Code, Section 2-371 - 2-377, the Palm Beach County Criminal History Records Check Ordinance ("Ordinance"), for unescorted access to critical facilities ("Critical Facilities") or criminal justice information facilities ("CJI Facilities"), as identified in Resolution R2013-1470 and R2015-0572, as amended. The CONSULTANT is solely responsible for the financial, schedule, and/or staffing implications of this Ordinance. Further, the CONSULTANT acknowledges that its Contract Price includes any and all direct or indirect costs associated with compliance with this Ordinance, except for the applicable FDLE/FBI fees that shall be paid by the COUNTY.

This Contract may include sites and/or buildings which have been designated as either "critical facilities" or "criminal justice information facilities" pursuant to the Ordinance and above referenced Resolutions, as amended. COUNTY staff representing the COUNTY department will contact the CONSULTANT(S) and provide specific instructions for meeting the requirements of this Ordinance. Individuals passing the background check will be issued a badge. The CONSULTANT shall make every effort to collect the badges of its employees and its

subcontractors' employees upon conclusion of the Contract and return them to the COUNTY. If the CONSULTANT or its subcontractor(s) terminates an employee who has been issued a badge, the CONSULTANT must notify the COUNTY within two (2) hours. At the time of termination, the CONSULTANT shall retrieve the badge and shall return it to the COUNTY in a timely manner.

The COUNTY reserves the right to suspend the CONSULTANT if the CONSULTANT 1) does not comply with the requirements of County Code Section 2-371 - 2-377, as amended; 2) does not contact the COUNTY regarding a terminated CONSULTANT employee or subcontractor employee within the stated time; or 3) fails to make a good faith effort in attempting to comply with the badge retrieval policy.

### <u>ARTICLE 29 - REGULATIONS: LICENSING REQUIREMENTS</u>

The CONSULTANT shall comply with all laws, ordinances and regulations applicable to the services contemplated herein, to include those applicable to conflict of interest and collusion. CONSULTANT is presumed to be familiar with all federal, state and local laws, ordinances, codes and regulations that may in any way affect the services offered.

#### **ARTICLE 30 - SCRUTINIZED COMPANIES**

- A. As provided in F.S. 287.135, by entering into this Contract or performing any work in furtherance hereof, the CONSULTANT certifies that it, its affiliates, suppliers, subcontractors and consultants who will perform hereunder, have not been placed on the Scrutinized Companies that boycott Israel List, or is engaged in a boycott of Israel, pursuant to F.S. 215.4725. Pursuant to F.S. 287.135(3)(b), if CONSULTANT is found to have been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel, this Contract may be terminated at the option of the COUNTY.
- B. When Contract value is greater than \$1 million: As provided in F.S. 287.135, by entering into this Contract or performing any work in furtherance thereof, the CONSULTANT certifies that it, its affiliates, suppliers, subcontractors and consultants who will perform hereunder, have not been placed on the Scrutinized Companies With Activities in Sudan List or Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List created pursuant to F.S. 215.473 or is engaged in business operations in Cuba or Syria.

If the COUNTY determines, using credible information available to the public, that a false certification has been submitted by CONSULTANT, this Contract may be terminated and a civil penalty equal to the greater of \$2 million or twice the amount of this Contract shall be imposed, pursuant to F.S. 287.135. Said certification must also be submitted at the time of Contract renewal, if applicable.

#### **ARTICLE 31 - PUBLIC RECORDS**

Notwithstanding anything contained herein, as provided under Section 119.0701, F.S., if the CONSULTANT: (i) provides a service; and (ii) acts on behalf of the COUNTY as provided under

Section 119.011(2) F.S., the CONSULTANT shall comply with the requirements of Section 119.0701, Florida Statutes, as it may be amended from time to time. The CONSULTANT is specifically required to:

- A. Keep and maintain public records required by the COUNTY to perform services as provided under this Contract.
- B. Upon request from the County's Custodian of Public Records, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119 or as otherwise provided by law. The CONSULTANT further agrees that all fees, charges and expenses shall be determined in accordance with Palm Beach County PPM CW-F-002, Fees Associated with Public Records Requests, as it may be amended or replaced from time to time.
- C. Ensure that public records that are exempt, or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the Contract, if the CONSULTANT does not transfer the records to the public agency.
- D. Upon completion of the Contract the CONSULTANT shall transfer, at no cost to the County, all public records in possession of the CONSULTANT unless notified by County's representative/liaison, on behalf of the County's Custodian of Public Records, to keep and maintain public records required by the County to perform the service. If the CONSULTANT transfers all public records to the County upon completion of the Contract, the CONSULTANT shall destroy any duplicate public records that are exempt, or confidential and exempt from public records disclosure requirements. If the CONSULTANT keeps and maintains public records upon completion of the Contract, the CONSULTANT shall meet all applicable requirements for retaining public records. All records stored electronically by the CONSULTANT must be provided to County, upon request of the County's Custodian of Public Records, in a format that is compatible with the information technology systems of County, at no cost to County.

Failure of the CONSULTANT to comply with the requirements of this article shall be a material breach of this Contract. COUNTY shall have the right to exercise any and all remedies available to it, including but not limited to, the right to terminate for cause. CONSULTANT acknowledges that it has familiarized itself with the requirements of Chapter 119, F.S., and other requirements of state law applicable to public records not specifically set forth herein.

IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, PLEASE CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT RECORDS REQUEST, PALM BEACH COUNTY WATER UTILITIES DEPARTMENT PUBLIC INFORMATION, 8100 FOREST HILL BLVD, WEST PALM BEACH, FLORIDA 33413 BY E-MAIL AT <u>WUDRECORDSREQUEST@PBCWATER.COM</u> OR BY TELEPHONE AT (561) 493-6000.

#### **ARTICLE 32 – COUNTERPARTS**

This Contract, including all the exhibits referenced herein, may be executed in one or more counterparts, all of which shall constitute collectively but one and the same Contract. The COUNTY may execute the Contract through electronic or manual means. CONSULTANT shall execute by manual means only, unless the COUNTY provides otherwise.

#### ARTICLE 33 - E-VERIFY - EMPLOYMENT ELIGIBILITY

CONSULTANT warrants and represents that it is in compliance with section 448.095, Florida Statutes, as may be amended, and that it: (1) is registered with the E-Verify System (E-Verify.gov), and uses the E-Verify System to electronically verify the employment eligibility of all newly hired workers; and (2) has verified that all of CONSULTANT's subconsultants performing the duties and obligations of this CONTRACT are registered with the E-Verify System, and use the E-Verify System to electronically verify the employment eligibility of all newly hired workers.

CONSULTANT shall obtain from each of its subconsultants an affidavit stating that the subconsultant does not employ, contract with, or subcontract with an Unauthorized Alien, as that term is defined in section 448.095(1)(k), Florida Statutes, as may be amended. CONSULTANT shall maintain a copy of any such affidavit from a subconsultant for, at a minimum, the duration of the subcontract and any extension thereof. This provision shall not supersede any provision of this CONTRACT which requires a longer retention period.

COUNTY shall terminate this CONTRACT if it has a good faith belief that CONSULTANT has knowingly violated Section 448.09(1), Florida Statutes, as may be amended. If COUNTY has a good faith belief that CONSULTANT's subconsultant has knowingly violated section 448.09(1), Florida Statutes, as may be amended, COUNTY shall notify CONSULTANT to terminate its contract with the subconsultant and CONSULTANT shall immediately terminate its contract with the subconsultant. If COUNTY terminates this CONTRACT pursuant to the above, CONSULTANT shall be barred from being awarded a future contract by COUNTY for a period of one (1) year from the date on which this CONTRACT was terminated. In the event of such contract termination, CONSULTANT shall also be liable for any additional costs incurred by COUNTY as a result of the termination

#### ARTICLE 34 – STANDARD OF CARE

CONSULTANT has, during the selection and negotiation process which has preceded this Contract, represented to COUNTY that the CONSULTANT is possessed of a superior level of skill, knowledge, experience and expertise as compared to that of other professionals in CONSULTANT's area of practice. CONSULTANT acknowledges that COUNTY has relied on CONSULTANT's representations of skill, knowledge, experience and expertise. By executing this Contract, CONSULTANT agrees that CONSULTANT will exercise that degree of care, knowledge, skill and ability as other professionals possessing the degree of skill, knowledge, experience and expertise which CONSULTANT has claimed. CONSULTANT shall perform such duties as may be assigned without neglect. CONSULTANT accepts the relationship of trust and confidence established by this Contract, and covenants with COUNTY to cooperate with COUNTY and to utilize CONSULTANT's best skill, efforts and judgment in furthering the interests of the COUNTY. CONSULTANT agrees to perform in the best, most efficient and economical manner consistent with the COUNTY's interests.

CONSULTANT further contracts with COUNTY to furnish its professional skill and judgment with due care in accordance with applicable Federal, State and local laws, codes and regulations as amended and supplemented which are in effect on the date of this Contract first written. It is specifically understood that the Accessibility provisions of the Americans with Disabilities Act (ADA) shall be complied with and incorporated into the project.

While CONSULTANT may submit drawings, calculations, or other documents to the COUNTY for the COUNTY's review, said review is limited to the design intent and does not constitute a detailed check of calculations or other parameters within the scope of CONSULTANT's skill, knowledge, experience, and expertise. CONSULTANT shall not be relieved of any professional liability for mistakes or flaws in items submitted to and approved by the COUNTY.

Remainder of page intentionally left blank.

# CONTRACT FOR CONSULTING/PROFESSIONAL SERVICES SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2 PBCWUD PROJECT NO. 22-033, PACKAGE IDENTIFICATION NO. CD-09

IN WITNESS WHEREOF, the Board of County Commissioners of Palm Beach County, Florida has made and executed this Contract on behalf of the COUNTY and CONSULTANT has hereunto set its hand the day and year above written.

| ATTEST: Joseph Abruzzo, Clerk of the Circuit Court & Comptroller, Palm Beach County | PALM BEACH COUNTY<br>BOARD OF COUNTY COMMISSIO | NERS             |
|---|--|------------------|
| By: Deputy Clerk  | By:<br>Maria Sachs, Mayor                      | D8<br>02/13/2024 |
| WITNESS:  | CONSULTANT:                                    | , , , , , ,      |
| Signature Signature   | Chen Moore and Associates, Inc.  Company Name  | _                |
| Mike Albert   |  |                  |
| Name (type or print)  | Signature                                      | <del></del>      |
| BAUL  | Suzanne Dombrowski, P.E., ENV SP               |                  |
| Signature   | Typed Name                                     | _                |
| Brent Whitfield   | Principal Engineer                             |                  |
| Name (type or print)  | Title  | <del></del>      |
| APPROVED AS TO FORM AND LEGAL SUFFICIENCY By:                                       | (corp. seal)                                   |                  |
| APPROVED AS TO TERMS  |  |                  |
| AND CONDITIONS  |  |                  |

Office: +1 (561) 746-6900



#### January 10, 2024

SENT VIA E-MAIL (kbernsten@pbcwater.com)

Mrs. Krystin Berntsen, P.E., PMP
Deputy Director
Palm Beach County Water Utilities Department
8100 Forest Hill Boulevard
West Palm Beach, FL33416

Re:

Request for Addition of Signature Authority

Contract # PBCWUD 22-033

Dear Mrs. Berntsen,

With this letter I am allowing Suzanne Dombrowski, P.E., ENV SP, Principal Engineer, to have signature authority on behalf of Chen Moore and Associates, Inc. for letters, forms, contracts and other related documents under Contract # PBCWUD 22-033, South County Reclaimed Water Transmission Pipeline Phase 2.

Should you have any questions, please do not hesitate to contact me at (561) 746-6900, ext. 1002 or <a href="mailto:pmoore@chenmoore.com">pmoore@chenmoore.com</a>.

Respectfully submitted,

CHEN MOORE AND ASSOCIATES

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP, President

Cc: Suzanne Dombrowski, P.E., ENV SP, Principal Engineer, Chen Moore and Associates, Inc.

chenmoore.com

# LIST OF EXHIBITS

# LIST OF EXHIBITS AND ATTACHMENTS

| EXHIBITS                                     | DESCRIPTION   |
|--|---|
| A  | Scope of Work   |
| B Standard Consultant Services Authorization |   |
| С  | Hourly Raw Labor Rates and Justification of Contract Multiplier |
|  | OEBO Schedules:   |
| 70   | Schedule 1 – List of Proposed Contractor/Consultant and         |
| ע  | Subcontractor/Subconsultant Participation                       |
|  | Schedule 2 – Letter of Intent                                   |

| ATTACHMENT | DESCRIPTION   |
|------------|---|
| 1          | Affirmative Procurement Initiatives for Professional Services Contracts |
|            | ("API"s)  |

# CONTRACT FOR CONSULTING/PROFESSIONAL SERVICES SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2 PBCWUD PROJECT NO. 22-033, PACKAGE IDENTIFICATION NO. CD09

#### Exhibit A

#### Scope of Work

#### <u>Summarv</u>

On April 27, 2023, Chen Moore and Associates, Inc, was selected through the Consultants' Competitive Negotiation Act (CCNA) process to provide the COUNTY with consulting/professional services in the area of engineering associated with the South County Reclaimed Water Transmission Pipeline Phase 2. Phase 2 is to design about 4 mile of 24-inch reclaimed water transmission pipeline connecting Phase 1A (completed) to Phase 1B (under design) and connecting Phase 1B to the Mandatory Reclaim Service Area (MRSA), which will include a reclaimed water pump station to maintain the adequate pressure in the transmission line.

Time is of the essence for completion of the Project. It is anticipated Consultant Service Authorizations will be negotiated and issued to the Consultant in accordance with standard County procedures.

# Services To Be Provided

- Survey including easements,
- Sub-Surface Utility Explorations,
- Geotechnical Investigations,
- · Field Testing,
- Studies and Reports,
- Hydraulic Analysis and Modeling,
- Stakeholder Coordination,
- Public Outreach,
- Design,
- Permitting,
- Cost Estimating,
- Value Engineering,
- Bidding Support, and
- Construction Services.

### CONTRACT FOR CONSULTING/PROFESSIONAL SERVICES SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2 PBCWUD PROJECT NO. 22-033, PACKAGE IDENTIFICATION NO. CD09

#### Exhibit B

**Standard Consultant Services Authorization** 

# CONSULTANT SERVICES AUTHORIZATION NO. \_\_\_\_\_\_ Palm Beach County Water Utilities Department Contract for Consulting/Professional Services [INSERT CONTRACT NAME] Resolution No. \_\_\_\_\_ Contract Dated \_\_\_\_\_

| Pro           | ject Tit                                | le:   |
|---------------|---|---|
|               |   | Project No.:  |
|               |   | t:  |
|               |   |   |
|               |   | ne Item No.:  |
| Dist          | rict No                                 | ·:  |
| This          | Consu                                   | Itant Services Authorization provides for:  |
|               |   |   |
|               |   |   |
|               |   |   |
|               |   |   |
|               |   | (See ATTACHMENT A for detailed scope of services)   |
| Auth<br>inclu | cipatior<br>orizatio<br>% ME<br>ding th | act provides for% SBE participation, which includes% M/WBE n,% MBE ( ), and% WBE. This Consultant Services on includes% overall participation which includes,% M/WBE participation, BE ( ),% MBE ( ), and% WBE. The cumulative SBE participation, its Consultant Services Authorization is%, which includes% M/WBE n,% MBE ( ), and% WBE. |
| 1.            | Servic                                  | es completed by the Consultant to date :  |
|               | See A                                   | TTACHMENT B.  |
| 2.            | Const                                   | ultant shall begin work upon receipt of Notice to Proceed correspondence.   |
| 3.            | The c                                   | ompensation to be paid to the Consultant for providing the requested services shall   |
|               | A.                                      | Computation of time charges plus expenses, not to exceed \$   |
|               | В.                                      | Fixed price of \$   |
|               | C.                                      | Total \$  |
| 4.            | event<br>for all                        | Authorization may be terminated by the County without cause or prior notice. In the of termination not the fault of the Consultant, the Consultant shall be compensated services performed through the date of termination, together with reimbursable ses (if applicable) then due.  |

# CONSULTANT SERVICES AUTHORIZATION NO. \_\_\_\_ Palm Beach County Water Utilities Department Contract for Consulting/Professional Services [INSERT CONTRACT NAME] Resolution No. \_\_\_\_\_ Contract Dated \_\_\_\_\_

| Proje | ect Title:  |
|-------|---|
| PBC   | WUD Project No.:  |
| 5.    | SBE participation is included in <b>ATTACHMENT C</b> 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 datedwhich remains in full force and effect.  |
| 7.    | All Attachments to this Authorization are incorporated herein and made a part of this Consultant Services Authorization.  |

# CONSULTANT SERVICES AUTHORIZATION NO. \_\_\_\_\_ Palm Beach County Water Utilities Department Contract for Consulting/Professional Services [INSERT CONTRACT NAME] Resolution No. \_\_\_\_\_ Contract Dated \_\_\_\_\_

| Project Title:   |                        |  |
|--|------------------------|--|
| PBCWUD Project No.:  |                        |  |
| IN WITNESS WHEREOF, this Authorize obligations of the aforementioned Control | zation is acce<br>act. | epted, subject to the terms, conditions and                            |
| PALM BEACH COUNTY, A POLITICAL   | SUBDIVISIO             | N OF THE STATE OF FLORIDA  |
|  |                        | alm Beach County Water<br>ilities Department                           |
|  | AI                     | i Bayat, P.E., PMP, Director   |
|  | (D                     | ate)   |
|  | (C                     | onsultant)   |
|  | (P                     | rint Name)   |
|  | (S                     | ignature)  |
|  | T                      | itle)  |
|  | (D                     | ate)   |
| STATE OF FLORIDA COUNTY OF   | <b></b>                |  |
| The foregoing instrument was acknowledge                                     | d before me by         | means of $\square$ physical presence or $\square$ online notarization, |
| this day of,   | _, by                  | who is □ personally  |
| known to me or □ has produced  |                        | as identification.   |
|  |                        | (Signature of Notary Public - State of Florida)                        |
| -  | (Print, Type, o        | r Stamp Commissioned Name of Notary Public)                            |

# CONSULTANT SERVICES AUTHORIZATION NO. \_\_\_\_ Palm Beach County Water Utilities Department Contract for Consulting/Professional Services [INSERT CONTRACT NAME] Resolution No. \_\_\_\_\_ Contract Dated \_\_\_\_\_

| Project Title:   |                            |   |
|--|----------------------------|---|
| PBCWUD Project No.:  |                            |   |
| IN WITNESS WHEREOF, this Authoriand obligations of the aforementioned Company of the aforementioned Company of the Authorian Company of the Author | ation is accepted ontract. | d, subject to the terms, conditions                                 |
| PALM BEACH COUNTY, A POLITICAL   | SUBDIVISION O              | F THE STATE OF FLORIDA  |
|  | Palm I                     | Beach County  |
|  | Contra                     | act Review Committee  |
|  |                            | Jacobowitz, J.D.<br>or, Contract Development & Control              |
|  | (Date)                     |   |
|  | (Const                     | ultant)   |
|  | (Print N                   | Name)   |
|  | (Signa                     | ture)   |
|  | (Title)                    |   |
|  | (Date)                     |   |
| STATE OF FLORIDA COUNTY OF   |                            |   |
| The foregoing instrument was acknowledge   | before me by mear          | ns of $\square$ physical presence or $\square$ online notarization, |
| this day of,   | , by                       | who is □ personally   |
| known to me or ☐ has produced  |                            |   |
|  | Sig                        | nature of Notary Public - State of Florida)                         |
|  | (Print, Type, or Sta       | mp Commissioned Name of Notary Public)                              |

CONSULTANT SERVICES AUTHORIZATION NO. \_\_\_\_\_
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
[INSERT CONTRACT NAME]
Resolution No. \_\_\_\_\_\_ Contract Dated \_\_\_\_\_

| resolution No.  | Contract Dated  |
|---|---|
| Project Title:  |   |
| PBCWUD Project No.:   |   |
| IN WITNESS WHEREOF, this Author obligations of the aforementioned Conf  | rization is accepted, subject to the terms, conditions and tract.           |
| PALM BEACH COUNTY, A POLITICA   | L SUBDIVISION OF THE STATE OF FLORIDA                                       |
| Joseph Abruzzo, Clerk of the Circuit C & Comptroller, Palm Beach County | ourt Palm Beach County, Board of County Commissioners                       |
| ATTEST:   |   |
| Signed:   | Signed:<br>Maria Sachs, Mayor   |
| Typed Name: Deputy Clerk  | (Date)  |
| Approved as to Form and Legal<br>Sufficiency                            | (Consultant)  |
| Signed:   | (Print Name)  |
| Typed Name: Michael W. Jones County Attorney                            | (Signature)   |
|   | (Title)   |
| STATE OF FLORIDA  | (Date)  |
| COUNTY OF   | —<br>ed before me by means of □ physical presence or □ online notarization, |
|   | _, by who is □ personally   |
|   | as identification.  |
|   | (Signature of Notary Public - State of Florida)                             |
| <del></del>   | (Print, Type, or Stamp Commissioned Name of Notary Public)                  |
|   | 3 Revised 12/20/2022  |

# CONSULTANT SERVICES AUTHORIZATION NO. \_\_\_\_\_\_ Palm Beach County Water Utilities Department Contract for Consulting/Professional Services [INSERT CONTRACT NAME] Resolution No. \_\_\_\_\_ Contract Dated \_\_\_\_\_\_

# LIST OF ATTACHMENTS

ATTACHMENT A Scope of Services

ATTACHMENT B Summary and Status of Consultant Services Authorizations

ATTACHMENT C OEBO Schedules 1 and 2

ATTACHMENT D Project Schedule

ATTACHMENT E Budget Summary

ATTACHMENT F Summary of SBE-M/WBE Business Tracking

ATTACHMENT G Location Map

Revised 12/20/2022

# **ATTACHMENT A**

# SCOPE OF SERVICES

| PBCWUD Project No.:       |             |
|---------------------------|-------------|
| Project Title:            |             |
| CONSULTANT shall perform: |             |
| CONSOLTANT Shall perform. |             |
|                           | <del></del> |
|                           |             |
|                           | *******     |
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Revised 12/20/2022

# **ATTACHMENT B**

# SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

| Auth. No. | PBCWUD Project No. | WUD Project No. Title   |   | Project<br>Total Amount   | SBE Total<br>Amount                     | SBE<br>Participation % | Approved<br>By Date                     |  |  |
|-----------|--------------------|---|---|---|---|------------------------|---|--|--|
|           |                    |   | *************************************** |   |   |                        |   |  |  |
|           |                    |   |   |   |   |                        |   |  |  |
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# **ATTACHMENT C**

# **OEBO SCHEDULE 1**

Office of Equal Business Opportunity Compliance Programs

# ATTACHMENT C

# OEBO SCHEDULE 2

Office of Equal Business Opportunity Compliance Programs

Revised 12/20/2022

# **ATTACHMENT D**

### PROJECT SCHEDULE

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

Engineering Services

Completion Date from Notice to Proceed

(Calendar Days)

Revised 12/20/2022

|        |   |                            | ACHME<br>ET SUN |          |               |               |         |          |            |
|--------|---|----------------------------|-----------------|----------|---------------|---------------|---------|----------|------------|
| :      | Palm Beach County Water Utilities Departr<br>Contract for Consulting/Professional Service<br>Resolution No Contract D<br>Consultant Services Authorization No.:<br>Consultant:<br>Project Title:<br>PBCWUD Project No.: | es [ <u>INSER</u><br>lated |                 | ACT NAME | <b>!</b>      |               |         |          |            |
|        |   |                            |                 |          |               |               |         |          |            |
|        |   |                            |                 |          |               |               |         |          |            |
|        |   |                            |                 | Lab      | or Classifica | tion and Hour | lv Rate | L        |            |
|        |   |                            |                 |          |               | ľ             | Í       | <b>.</b> | Sub        |
| Task   |   |                            |                 |          |               |               |         | Total    | Consultant |
| Number | Task Description  |                            |                 |          |               |               |         | Labor    | Services   |
|        |   |                            |                 |          |               |               |         |          |            |
|        |   |                            |                 | ,        |               |               |         |          |            |
|        |   |                            |                 |          |               |               |         |          |            |
|        |   |                            |                 |          |               |               |         |          |            |
|        | Subtotal  |                            |                 |          | 0             | 0             | 0       | \$ -     |            |
|        |   |                            |                 |          |               |               |         |          |            |
|        | Labor Subtotal Hours  | -                          | ) (             | 0 0      | 0             | 0             | 0       |          |            |
|        | Labor Raw Costs   | \$                         | - \$            | - \$ -   | \$ -          | \$ -          | \$ -    |          | \$ -       |
|        | Labor Multiplier  |                            | · ·             | +        | <del></del>   | Ψ             | Ψ       |          |            |
|        | Labor Sub Total   | \$                         | - \$            | - \$ -   | \$ -          | \$ -          | \$ -    |          | <u> </u>   |
|        | Labor Total   | \$                         | -               |          |               |               |         |          |            |
|        |   |                            |                 |          |               |               |         |          |            |
|        | Sub Consultant Labor Total  | \$                         | -               |          |               |               |         |          |            |
|        | Sub Consultant Multiplier   |                            |                 |          |               |               |         |          |            |
|        | Subcontract Total   | \$                         | -               |          |               |               |         |          |            |
|        |   |                            |                 |          |               |               |         |          |            |
|        | Project Total   | \$ .                       | -               |          |               |               |         |          |            |
|        |   | ]                          |                 |          |               |               |         |          |            |

|      |   |                           | ACHME<br>Et sun | NT E<br>IMARY                                    |               |              |                                       |              |            |
|------|---|---------------------------|-----------------|--|---------------|--------------|---------------------------------------|--------------|------------|
|      | Palm Beach County Water Utilities Departn Contract for Consulting/Professional Service Resolution No Contract D Consultant Services Authorization No.: Consultant: Sub-Consultant: Project Title: PBCWUD Project No.: | es [ <u>INSER</u><br>ated |                 |  | •             |              | -                                     |              |            |
|      |   |                           |                 |  |               |              |                                       | 1            |            |
|      |   |                           |                 |  |               |              |                                       |              |            |
|      |   |                           |                 | Lab  | or Classifica | tion and Hou | ırly Rate                             |              |            |
| Task |   |                           |                 |  |               |              |                                       |              | Sub        |
|      | Task Description  |                           |                 |  |               | <u> </u>     |                                       | Total        | Consultant |
|      | 1.00.000,000  |                           |                 |  |               |              |                                       | Labor        | Services   |
|      |   |                           |                 |  |               |              |                                       |              |            |
|      |   |                           |                 |  |               |              |                                       |              |            |
|      |   |                           |                 |  |               |              |                                       | <del> </del> |            |
|      | Subtotal  |                           |                 | <del>                                     </del> |               |              | 0 0                                   | \$ -         |            |
|      |   |                           |                 |  |               |              | 0                                     |              |            |
|      |   |                           | -               |  |               |              |                                       |              |            |
|      | Labor Subtotal Hours  | C                         | )               | 0 0  | 0             |              | 0 0                                   |              | \$ -       |
|      | Labor Raw Costs   | \$ -                      | \$              | - \$ -   | \$ -          | \$           | - \$ -                                |              | Ψ -        |
|      | Labor Multiplier  |                           |                 | <del>                                     </del> | T             |              | ¥                                     |              |            |
|      | Labor Sub Total   | \$ -                      | \$              | - \$ -   | \$ -          | \$           | - \$ -                                |              | \$ -       |
|      | Labor Total   | \$ -                      |                 |  |               |              | · · · · · · · · · · · · · · · · · · · |              |            |
|      |   |                           |                 |  |               |              |                                       |              |            |
|      | Sub Consultant Labor Total  | \$ -                      |                 |  |               |              | -                                     |              |            |
|      | Sub Consultant Multiplier   |                           |                 |  |               |              |                                       |              |            |
|      | Subcontract Total   | \$ -                      |                 |  |               |              |                                       |              |            |
|      |   |                           |                 |  |               |              |                                       |              |            |
|      | Project Total   | \$ -                      |                 |  |               |              |                                       |              |            |
|      |   |                           |                 |  |               |              |                                       |              |            |
|      |   |                           | 1               |  |               | I            | 1                                     | . 1          |            |

# **ATTACHMENT F**

Palm Beach County Water Utilities Department Contract for Consulting/Professional Services (INSERT CONTRACT NAME)

| Resolution No. | Contract Dated | , |
|----------------|----------------|---|
|                |                |   |

# SUMMARY OF SBE-M/WBE BUSINESS TRACKING

| Master Contract Goals                                | SBE:<br>% | M/WBE: | MBE<br>(Category):<br>% | MBE<br>( Category):<br>% |
|--|-----------|--------|-------------------------|--------------------------|
| Current Proposal                                     |           |        |                         |                          |
| Value of Authorization No                            | \$        |        |                         |                          |
| Value of SBE-M/WBE Letters of Intent                 | \$        | \$     | \$                      | \$                       |
| Actual Percentage                                    | %         | %      | %                       | %                        |
| Signed/Approved Authorizations                       |           |        |                         |                          |
| Total Value of Authorizations                        | \$        |        |                         |                          |
| Total Value of SBE-M/WBE Signed                      | \$        | \$     | \$                      | \$                       |
| Subcontractors                                       |           | •      | '                       | *                        |
| Actual Percentage                                    | %         | %      | %                       | %                        |
| Signed/Approved Authorizations Plus Current Proposal |           |        |                         |                          |
| Total Value of Authorization                         | \$        |        |                         |                          |
| Total Value of Subcontractors & Letters of Intent    | \$        | \$     | \$                      | \$                       |
| Actual Percentage                                    | %         | %      | %                       | %                        |

Revised 12/20/2022

# ATTACHMENT G

**Location Map** 

PBCWUD Project No. \_\_\_\_\_

Revised 12/20/2022

# CONTRACT FOR CONSULTING/PROFESSIONAL SERVICES SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2 PBCWUD PROJECT NO. 22-033, PACKAGE IDENTIFICATION NO. CD09

# Exhibit C

Hourly Raw Labor Rates and Justification of Contract Multiplier

ALL LABOR RATES ARE CAPPED AT MAXIMUM \$300 AFTER APPLYING RATE MULTIPLIER.

# CONTRACT FOR CONSULTING/PROFESSIONAL SERVICES SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2 WUD PROJECT NO. 22-033

# EXHIBIT "B"

# HOURLY RAW LABOR RATES CHEN MOORE AND ASSOCIATES, INC.

| Title                          | Minimum Hourly | <u>Maximum</u>                  |
|--------------------------------|----------------|---------------------------------|
|                                | Raw Labor Rate | <u>Hourly Raw</u><br>Labor Rate |
| President*                     | \$100.00       | \$100.00                        |
| Principal*                     | \$96.25        | \$100.00                        |
| Principal Engineer*            | \$66.75        | \$100.00                        |
| Senior Engineer                | \$50.45        | \$66.74                         |
| Project Engineer               | \$40.90        | \$50.44                         |
| Associate Engineer             | \$37.20        | \$40.89                         |
| Engineer                       | \$31.25        | \$37.19                         |
| Principal Landscape Architect  | \$50.50        | \$70.31                         |
| Senior Landscape Architect     | \$40.00        | \$50.49                         |
| Project Landscape Architect    | \$30.05        | \$39.99                         |
| Landscape Designer             | \$25.00        | \$30.04                         |
| Principal Planner              | \$74.52        | \$74.52                         |
| Senior Planner                 | \$38.00        | \$74.51                         |
| Project Planner                | \$28.00        | \$37.99                         |
| Associate Planner              | \$25.00        | \$27.99                         |
| Senior Environmental Scientist | \$49.55        | \$49.55                         |
| Senior Designer                | \$40.95        | \$49.70                         |
| Designer                       | \$35.00        | \$40.94                         |
| Senior Technician              | \$33.75        | \$34.99                         |
| Technician                     | \$24.15        | \$33.74                         |
| Senior Construction Specialist | \$40.20        | \$46.00                         |
| Construction Specialist        | \$31.20        | \$40.19                         |
| Administrative Assistant       | \$18.00        | \$37.10                         |
| Intern                         | \$18.00        | \$23.00                         |

<sup>\*</sup>Rates are capped at \$100.00 per Palm Beach County requirements.

# Palm Beach County Water Utilities Department Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE II

Consultant: Brown and Caldwell (Corporation)

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE SEQUENCE 2

PBCWUD Project No.: 22-033

Hourly Raw Labor Rates and Justification of Contract Multiplier

FIRM NAME: Brown and Caldwell (Corporation)

RATE MULTIPLIER: 3.0

|                                     | Hourly Raw Labor Rates \$/hr |           |  |  |
|-------------------------------------|------------------------------|-----------|--|--|
| Title                               | (Minimum)                    | (Maximum) |  |  |
| Engineer 1                          | \$33.74                      | \$38.80   |  |  |
| Engineer 2                          | \$40.19                      | \$46.22   |  |  |
| Engineer 3                          | \$43.63                      | \$50.17   |  |  |
| Senior Engineer                     | \$42.47                      | \$65.75   |  |  |
| Principal Engineer                  | \$66.10                      | \$76.01   |  |  |
| Supervising Engineer                | \$71.37                      | \$98.07   |  |  |
| Managing Engineer                   | \$87.66                      | \$100.00  |  |  |
| Chief Engineer                      | \$92.36                      | \$100.00  |  |  |
| Vice-President                      | \$99.89                      | \$100.00  |  |  |
| Sr. Construction Engineer           | \$53.60                      | \$64.01   |  |  |
| Supervising Construction Engineer   | \$83.33                      | \$95.90   |  |  |
| Inspector 1                         | \$33.88                      | \$38.96   |  |  |
| Inspector 2                         | \$39.69                      | \$45.64   |  |  |
| Senior Inspector                    | \$54.85                      | \$63.07   |  |  |
| Cost Estimator                      | \$57.15                      | \$65.71   |  |  |
| Supervising Cost Estimator          | \$80.73                      | \$96.35   |  |  |
| Principal Cost Estimator            | \$68.02                      | \$83.14   |  |  |
| Scientist                           | \$36.30                      | \$45.98   |  |  |
| Senior Scientist                    | \$53.60                      | \$62.92   |  |  |
| Managing Scientist                  | \$92.14                      | \$100.00  |  |  |
| Senior Designer                     | \$42.96                      | \$49.40   |  |  |
| Supervising Designer                | \$60.14                      | \$73.50   |  |  |
| Principal Designer                  | \$59.35                      | \$68.26   |  |  |
| Senior Health & Safety Risk Manager | \$75.66                      | \$100.00  |  |  |
| Senior Project Coordinator          | \$36.54                      | \$44.66   |  |  |
| Project Analyst                     | \$34.22                      | \$45.78   |  |  |
| Project Administrator               | \$22.99                      | \$26.43   |  |  |



# South County Reclaimed Water Transmission Pipeline Phase 2 WUD PROJECT NO.: 22-033

# Hourly Raw Labor Rates and Justification of Contract Multiplier FIRM NAME: Barnes, Ferland and Associates, Inc. (BFA) (Rate Multiplier = 2.82)

| FIRM | EMPLOYEE TITLE                       | Maximum Raw<br>Hourly (\$/hr) | Multiplier | Maximum Hourly Rate<br>(\$/hr) |
|------|--------------------------------------|-------------------------------|------------|--------------------------------|
| BFA  | Principal Hydrogeologist             | \$75.00                       | 2.82       | \$211.50                       |
| BFA  | Senior Water Resources<br>Specialist | \$85.62                       | 2.82       | \$241.45                       |
| BFA  | Principal Engineer                   | \$72.00                       | 2.82       | \$203.04                       |
| BFA  | Senior Engineer                      | \$70.00                       | 2.82       | \$197.40                       |
| BFA  | Sr. Project Manager                  | \$70.00                       | 2.82       | \$197.40                       |
| BFA  | Project Manager                      | \$60.00                       | 2.82       | \$169.20                       |
| BFA  | Project Manager I                    | \$55.00                       | 2.82       | \$155.10                       |
| BFA  | Project Engineer V                   | \$50.00                       | 2.82       | \$141.00                       |
| BFA  | Project Engineer IV                  | \$45.00                       | 2.82       | \$126.90                       |
| BFA  | Project Engineer III                 | \$40.00                       | 2.82       | \$112.80                       |
| BFA  | Project Engineer II                  | \$38.00                       | 2.82       | \$107.16                       |
| BFA  | Project Engineer I                   | \$35.00                       | 2.82       | \$98.70                        |
| BFA  | Senior Designer                      | \$42.00                       | 2.82       | \$118.44                       |
| BFA  | CADV                                 | \$38.00                       | 2.82       | \$107.16                       |
| BFA  | CAD IV                               | \$35.00                       | 2.82       | \$98.70                        |
| BFA  | CAD III                              | \$30.00                       | 2.82       | \$84.60                        |
| BFA  | CAD II                               | \$25.00                       | 2.82       | \$70.50                        |
| BFA  | CADI                                 | \$20.00                       | 2.82       | \$56.40                        |
| BFA  | GIS Tech III                         | \$40.00                       | 2.82       | \$112.80                       |
| BFA  | GIS Tech II                          | \$35.00                       | 2.82       | \$98.70                        |
| BFA  | GIS Tech I                           | \$30.00                       | 2.82       | \$84.60                        |
| BFA  | Hydrogeologist V                     | \$57.00                       | 2.82       | \$160.74                       |
| BFA  | Hydrogeologist IV                    | \$44.00                       | 2.82       | \$124.08                       |

700 S. Rosemary Avenue • Suite 204-130 • West Palm Beach, Florida 33401 Office (561) 689-1730 • Fax (407) 896-1822

| FIRM | EMPLOYEE TITLE              | Maximum Raw<br>Hourly (\$/hr) | Multiplier | Maximum Hourly Rate<br>(\$/hr) |
|------|-----------------------------|-------------------------------|------------|--------------------------------|
| BFA  | Hydrogeologist III          | \$40.00                       | 2.82       | \$112.80                       |
| BFA  | Hydrogeologist II           | \$32.00                       | 2.82       | \$90.24                        |
| BFA  | Hydroge ologist I           | \$26.00                       | 2.82       | \$73.32                        |
| BFA  | Environmental Scientist V   | \$47.00                       | 2.82       | \$132.54                       |
| BFA  | Environmental Scientist IV  | \$42.00                       | 2.82       | \$118.44                       |
| BFA  | Environmental Scientist III | \$38.00                       | 2.82       | \$107.16                       |
| BFA  | Environmental Scientist II  | \$32.00                       | 2.82       | \$90.24                        |
| BFA  | Environmental Scientist I   | \$24.00                       | 2.82       | \$67.68                        |
| BFA  | Field Technician IV         | \$32.00                       | 2.82       | \$90.24                        |
| BFA  | Field Technician III        | \$29.00                       | 2.82       | \$81.78                        |
| BFA  | Field Technician II         | \$26.00                       | 2.82       | \$73.32                        |
| BFA  | Field Technician I          | \$22.00                       | 2.82       | \$62.04                        |
| BFA  | Sr. Surveyor and Mapper     | \$62.00                       | 2.82       | \$174.84                       |
| BFA  | Surveyor and Mapper         | \$49.00                       | 2.82       | \$138.18                       |
| BFA  | Survey Technician           | \$40.00                       | 2.82       | \$112.80                       |
| BFA  | 2 Person Survey Crew        | \$55.00                       | 2.82       | \$155.10                       |
| BFA  | 3 Person Survey Crew        | \$76.00                       | 2.82       | \$214.32                       |
| BFA  | Utility Coordinator         | \$38.00                       | 2.82       | \$107.16                       |
| BFA  | SUE 2 Person Crew           | \$56.00                       | 2.82       | \$157.92                       |
| BFA  | SUE 3 Person Crew           | \$77.00                       | 2.82       | \$217.14                       |
| BFA  | Administrative Support III  | \$37.00                       | 2.82       | \$104.34                       |
| BFA  | Administrative Support II   | \$28.00                       | 2.82       | \$78.96                        |
| BFA  | Administrative Support I    | \$20.00                       | 2.82       | \$56.40                        |



# Survey and Subsurface Utility Engineering Direct Costs Table

| Description  | Units | Minimum<br>Billable Rate |
|--|-------|--------------------------|
| Utility Test Hole Excavation "Soft Dig" (Grass Dirt areas, etc)      | Each  | \$650.00                 |
| Utility Test Hole Excavation "Hard Dig" (Concrete, Paved areas, etc) | Each  | \$850.00                 |



# SWINARSKI & COMPANY, P.A.

Certified Public Accountants 1860 Forest Hill Blvd, Suite 104 West Palm Beach, FL 33406

Ella Swinarski, CPA Donald "Chip" Swinarski, CPA, MST Tel (561) 540-9940 Fax (561) 540-9947

February 20, 2021

Michael Guida, P.E. C&W Engineering, Inc. 6903 Vista Parkway N #10 West Palm Beach, FL 33411

Subject: C&W's Labor Rate and Multiplier

Dear Mr. Guida:

My office has analyzed your financial documents for fiscal year 2020. We are pleased to provide you with your overall overhead and profit factors "labor rate multipliers" and rate schedule based on current employee hourly rates.

| Multiplier calculation |          |
|------------------------|----------|
| Direct Labor cost      | 100.00 % |
| Indirect salary/wages  | 41.11 %  |
| Fringe benefits        | 22.61 %  |
| Overhead               | 37.56 %  |
| Total                  | 201.28 % |
| 12 % Profit Margin     | 24.15 %  |
| Total Multiplier       | 225.43 % |
|                        |          |

|                       | RAW LABOR<br>RATE | MULTIPLIER | BURDENED LABOR<br>RATE |
|-----------------------|-------------------|------------|------------------------|
| Principal Engineer    | \$76.00           | 225% **    | \$171.00               |
| Project Engineer      | \$64.89           | 225%**     | \$146.00               |
| Engineer              | \$36.00           | 225%**     | \$81.00                |
| Senior Cadd/ Designer | \$32.00           | 225%**     | \$72.00                |
| Cad Tech              | \$28.00           | 225%**     | \$63.00                |
| Administration        | \$24.00           | 225%**     | \$54.00                |

<sup>\*\*</sup>Rounded multiplier down to nearest whole number.

If you require additional information, please do not hesitate to contact me.

Respectfully,

Donald Swinarski, CPA

Das Suince



# Engineered Design Services, LLC Schedule of Charges 2023 Palm Beach County

The rates listed below are for the 2023 calendar year, and unless otherwise agreed upon by both parties, shall be updated and resubmitted on January 1st of each subsequent year.

| Personnel Classification | Raw rate | Multiplier | Loaded Rate<br>(Hourly Rate) |
|--------------------------|----------|------------|------------------------------|
| PRINCIPAL ENGINEER       | 75.00    | 2.72       | 204.00                       |
| SENIOR PROJECT MANAGER   | 72.00    | 2.72       | 195.84                       |
| SENIOR ENGINEER          | 65.00    | 2.72       | 176.80                       |
| LEAD ENGINEER            | 58.00    | 2.72       | 157.76                       |
| PROJECT ENGINEER         | 48.00    | 2.72       | 130.56                       |
| ENGINEER I               | 40.00    | 2.72       | 108.80                       |
| LEAD DESIGNER            | 36.00    | 2.72       | 97.92                        |
| DESIGNER I               | 33.00    | 2.72       | 89.76                        |
| TECHNICIAN/DRAFTER       | 30.00    | 2.72       | 81.60                        |
| ADMIN/TECHNICIAN         | 30.00    | 2.72       | 81.60                        |

# Multiplier:

| Salary            | 1.00        |
|-------------------|-------------|
| Overhead & Fringe | <u>1.43</u> |
| Subtotal          | 2.43        |
| 12% Profit        | <u>0.29</u> |
| Total             | 2.72        |



## **MAXIMUM BILLING RATES**

Project No: PBCWUD 22-033

Project Title: South County Reclaim Phase 2 Scoping

Consultant: Chen Moore and Associates
Subconsultant Name: HBC Engineering Company

| TITLE                       | HOURLY<br>RATE | Х | MULTIPLIER | = | 80       |
|-----------------------------|----------------|---|------------|---|----------|
|                             | (\$/HR)        |   |            | - | BILLING  |
|                             | (2)(1111)      |   | 3.00       |   | RATE     |
|                             | <del>_</del>   |   |            |   | (\$/HR)  |
| Principal Engineer          | \$84.95        |   | 3.00       |   | \$254.85 |
| Sr. Water Resources Eng. I  | \$82.00        |   | 3.00       |   | \$246.00 |
| Sr. Water Resources Eng. II | \$79.33        |   | 3.00       |   | \$237.99 |
| Sr. Site/Civil/Roadway Eng. | \$76.92        |   | 3.00       |   | \$230.76 |
| Sr. Structural Eng.         | \$50.48        |   | 3.00       |   | \$151.44 |
| Sr. Site/Civil Eng.         | \$64.90        |   | 3.00       |   | \$194.70 |
| Water Resources Eng. Intern | \$36.06        |   | 3.00       |   | \$108.18 |
| Roadway Eng. Intern         | \$38.46        |   | 3.00       |   | \$115.38 |
| Construction Manager        | \$60.10        |   | 3.00       |   | \$180.30 |
| Construction Inspection     | \$24.00        |   | 3.00       | 1 | \$72.00  |
| Utility Coordinator         | \$52.88        |   | 3.00       |   | \$158.64 |
| Technician                  | \$22.00        |   | 3.00       |   | \$66.00  |

Multiplier of 3.00 is calculated as follows:

OVERHEAD = HOURLY RATE X OVERHEAD (100) % FRINGE = HOURLY RATE X FRINGE (64.91) %

OPERATING MARGIN =  $(OPERATING MARGIN X 10\%) = ((100.00\% + 100.00\% + 72.73\%) \times 10\%) = 27.27\%$ MULTIPLIER =  $(OPERATING MARGIN X 10\%) = ((100.00\% + 100.00\% + 72.73\%) \times 10\%) = 27.27\%$ 

= (100.00% + 100.00% + 72.73% + 27.27%) = 3.00 (Used 3.00 Limit for Multiplier)

# HILLERS ELECTRICAL ENGINEERING, INC.

July 2023

| Staff Classification       | Raw Rate | Multiplier | Hourly Rate |
|----------------------------|----------|------------|-------------|
| Contract Manager/Principal | \$89.00  | 2.99       |             |
| Project Manager            | \$79.79  | 2.99       |             |
| Professional Engineer      | \$62.63  | 2.99       |             |
| Lead Engineer              | \$52.28  | 2.99       |             |
| Senior Designer            | \$45.67  | 2.99       | \$136.55    |
| CADD/Technician            | \$39.24  | 2.99       | ·           |
| Construction Coordinator   | \$49.94  | 2.99       |             |
| Lead Field Inspector       | \$46.29  | 2.99       | \$138.41    |
| Administrative Assistant   | \$26.17  | 2.99       | \$78.25     |

InfraMap Corp. - Multiplier

Prepared by:

**Employee Names** 

Lee Reumann, PSM

Jimmy Stewart, PE

Andres Garcia

Spencer Duttinger Dalion Lozada

David Clayton Marlon Parker

Vee Young

Timothy Johnson Vincent Tinnirella

# Lee Reumann, PSM, Survey Manager

6/22/2023



| Job Title                            | Raw Rate |       | Multiplier | <b>Hourly Rate Charged</b> |
|--------------------------------------|----------|-------|------------|----------------------------|
| PSM/PE                               | \$       | 66.76 | 2.74114    | \$ 183.00                  |
| Senior Utility Location Manager      | \$       | 43.26 | 2.74114    | \$ 118.58                  |
| Utility Location Manager/Party Chief | \$       | 30.25 | 2.74114    | \$ 82.92                   |
| Technical Locator/Instrument Op.     | \$       | 25.00 | 2.74114    | \$ 68.53                   |
| CADD Technician                      | \$       | 35.00 | 2.74114    | \$ 95.94                   |
| Administrative                       | \$       | 27.71 | 2.74114    | \$ 75.96                   |

|                                  | 1 ·                        | 33.00       | 2.77447 | ~           | JJ.JT  |
|----------------------------------|----------------------------|-------------|---------|-------------|--------|
|                                  | \$                         | 27.71       | 2.74114 | \$          | 75.96  |
| Employee<br>\$ 56.60             | 's Hourly Rate             |             |         | Combined Ra | w Rate |
| \$ 76.92                         | PSM/PE                     |             |         | \$          | 66.76  |
| \$ 43.26                         | Senior Utility Location Ma | nager       | ļ       | \$          | 43.26  |
| \$ 31.00<br>\$ 29.50             | Utility Location Manager/  | Party Chief |         | \$          | 30.25  |
| \$ 25.00<br>\$ 23.00<br>\$ 24.00 |                            |             |         |             |        |
| \$ 28.00                         | 3                          |             |         |             |        |

| Oscar Cruz   | \$<br>31.00 |
|--------------|-------------|
| Lana Czuczuk | \$<br>39.00 |

CADD Technician

Technical Locator/Instrument Op.

\$ 27.71 Administrative

27.71

25.00

35.00

# Justification of Multiplier:

| Direct Salary Dollar: | 1       |
|-----------------------|---------|
| OH Rate:              | 1.3836  |
| Direct Salary Cost:   | 2.3836  |
| Profit @ 15%:         | 0.35754 |
| Target Multiplier:    | 2.74114 |
|                       |         |

\*OH Rate used is the FDOT 2021  $audited \ OH \ rate for \ In fra Map.$ 



# Palm Beach County Water Utilities Department South County Reclaimed Water Main - Phase 2 WUD Project No. 22-033

| PERSONNEL CLASSIFICATION           | RAW RATE | <b>MULTIPLIER</b> | LOADED RATE |
|------------------------------------|----------|-------------------|-------------|
| PROJECT DIRECTOR / PRINCIPAL       | \$100.00 | 3.00              | \$300.00    |
| SENIOR PROJECT MANAGER             | \$85.00  | 3.00              | \$255.00    |
| PROJECT MANAGER                    | \$66.00  | 3.00              | \$198.00    |
| SENIOR PROJECT ENGINEER / SURVEYOR | \$55.00  | 3.00              | \$165.00    |
| PROJECT ENGINEER / SURVEYOR        | \$45.00  | 3.00              | \$135.00    |
| SENIOR DESIGNER                    | \$42.00  | 3.00              | \$126.00    |
| DESIGNER / CADD TECHNICIAN         | \$38.00  | 3.00              | \$114.00    |
| INTERN                             | \$20.00  | 3.00              | \$60.00     |
| SENIOR CONSTRUCTION REPRESENTATIVE | \$45.00  | 3.00              | \$135.00    |
| CONSTRUCTION REPRESENTATIVE        | \$39.00  | 3.00              | \$117.00    |
| SURVEY CREW                        | \$55.00  | 3.00              | \$165.00    |
| UTILITY / PERMIT COORDINATOR       | \$38.00  | 3.00              | \$114.00    |
| PROJECT / CONTRACT ADMINISTRATOR   | \$38.00  | 3.00              | \$114.00    |
| CLERICAL                           | \$23.00  | 3.00              | \$69.00     |
|                                    |          |                   |             |
| MULTIPLIER CALCULATIONS:           |          |                   |             |
| DIRECT LABOR                       | 1.00     |                   |             |
| OVERHEAD / FRINGE BENEFITS         |          | <u>1.93</u>       |             |
| SUBTOTAL                           | 2.93     |                   |             |

Please be advised that these documents contain proprietary information and, as such, in accordance with Florida Statutes §812.081 and 815.045, shall be expressly made confidential and exempt from the public records law. Moreover, we respectfully request that the enclosed documents do not receive public distribution or disclosure pursuant to Florida Statutes §119.0781(b) and (c).

MARKUP @ 10%

TOTAL

0.29 **3.22** 

CAPPED AT 3.00



# Palm Beach County Water Utilities Department South County Reclaimed Water Main - Phase 2 WUD Project No. 22-033

| Reimbursable Expenses                 |             | Rates                 |  |
|---------------------------------------|-------------|-----------------------|--|
| 8½ x 11 Prints / Copies (black/white) | \$          | 0.25                  |  |
| 8½ x 11 Prints / Copies (color)       | \$          | 1.00                  |  |
| 11 x 17 Prints / Copies (black/white) | \$          | 0.50                  |  |
| 11 x 17 Prints / Copies (color)       | \$          | 1.00                  |  |
| 24 x 36 Prints / Copies (black/white) | \$          | 1.50                  |  |
| 24 x 36 Prints / Copies (color)       | \$          | 3.50                  |  |
| Mileage                               | IRS         | rates                 |  |
| Title Searches                        | As Invoiced | As Invoiced by Vendor |  |
| Deliveries                            | As Invoiced | As Invoiced by Vendor |  |
| Other Supplies                        | As Invoiced | As Invoiced by Vendor |  |





# South County Reclaimed Water Transmission Pipeline Phase 2 PBCWUD PROJECT No.: 22-033

# Hourly Raw Labor Rates and Justification of Contract Multiplier FIRM NAME: Pacifica Engineering Services, LLC

# (Rate Multiplier =3.00 Max)

| Job Class                     | Raw Rate | Multiplier | Burdened Rate |
|-------------------------------|----------|------------|---------------|
| Principal Engineer            | \$66.67  | 3.00       | \$200.00      |
| Senior Engineer               | \$60.00  | 3.00       | \$180.00      |
| Engineer, P.E.                | \$49.00  | 3.00       | \$147.00      |
| Staff Engineer                | \$31.00  | 3.00       | \$93.00       |
| Senior Engineering Technician | \$33.33  | 3.00       | \$100.00      |
| Engineering Technician        | \$21.67  | 3.00       | \$65.00       |
| Drafter / CADD                | \$31.33  | 3.00       | \$94.00       |

| Multiplier Calculation |             |
|------------------------|-------------|
| Salary/Wages:          | 1.0         |
| OH/Fringe Benefits:    | <u>2.15</u> |
| Subtotal:              | 3.15        |
| 12% Profit Margin:     | 0.38        |
| Total Multiplier:      | 3.53        |

Multiplier capped at 3.00



# Florida Department of Transportation

RON DESANTIS GOVERNOR 605 Suwannee Street Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E. SECRETARY

July 20, 2022

Paul Hayes, President INFRAMAP CORP. 10365 South Cedar Lane Glen Allen, Virginia 23059

Dear Mr. Hayes:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

Group 8 - Survey and Mapping

8.1 - Control Surveying

8.2 - Design, Right of Way & Construction Surveying

8.4 - Right of Way Mapping

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2023, for contracting purposes.

Approved Rates

| Home/<br>Branch<br>Overhead | Facilities<br>Capital Cost<br>of Money | Premium<br>Overtime | Reimburse<br>Actual<br>Expenses | Home<br>Direct<br>Expense |
|-----------------------------|--|---------------------|---------------------------------|---------------------------|
| 138.36%*                    | 0.121%                                 | Reimbursed          | No                              | 9.96%                     |

<sup>\*</sup>For multi-year contracts, DOT has adjusted the overhead rates to mitigate the adverse impacts of Payroll Protection Program loan forgiveness. For information on the adjusted overhead rates, contact the district Procurement Office.

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely.

Carliayn Kell

**Professional Services** 

**Qualification Administrator** 

arlings Kell



# Florida Department of Transportation

RON DESANTIS GOVERNOR

605 Suwannee Street Tallahassee, FL 32399-0450 JARED W. PERDUE, P.E. SECRETARY

May 19, 2023

Wesley Foster, President PACIFICA ENGINEERING SERVICES, LLC 601 North Congress Avenue, Suite 303 Delray beach, Florida 33445

Dear Mr. Foster:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

Group 9 - Soil Exploration, Material Testing and Foundations

9.1 - Soil Exploration

9.2 - Geotechnical Classification Laboratory Testing

9.3 - Highway Materials Testing9.4.1 - Standard Foundation Studies

9.5 - Geotechnical Specialty Laboratory Testing

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until <u>June 30, 2024</u>, for contracting purposes.

Approved Rates

| Home/    | Premium  | Reimburse | Home    |
|----------|----------|-----------|---------|
| Branch   | Overtime | Actual    | Direct  |
| Overhead | Overume  | Expenses  | Expense |
| 185.73%  | Excluded | No        | 0.03%   |

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

Carliayn Kell

**Professional Services** 

**Qualification Administrator** 

liago Kell

# PGAL, Inc. Calculation of Labor Rates

| Overhead Rate Calculation:   |      |
|--|------|
| Fringe Benefits Rate (Group Health Insurance and Payroll Taxes)  | 0.29 |
| General Overhead Rate (Includes automotive, depreciation, dues and subscriptions, employee relations, training and     |      |
| recruiting, indirect labor, insurance, maintenance, marketing, moving, postage and delivery, professional fees, office |      |
| rent, supplies, taxes, telephone, temporary employees, travel and meals, workers compensation insurance -              |      |
| adjusted to compy with FAR requirements )  | 1.60 |
| Total Overhead Rate  | 1.89 |
| Overhead Multiplier  | 2.61 |
| Profit   | 15%  |
| Overhead Multiplier with Profit  | 2.99 |
|  |      |

Comparisons below for information only -

| Job Category          |   | Salary  | Hourly Rate | Billing Multiplier | Billing Rate | AIA Title               | AIA Salary |
|-----------------------|---|---------|-------------|--------------------|--------------|-------------------------|------------|
| Principal             | Degreed and licencsed architect, 20+ years experience | 200.000 | 400.00      |                    |              |                         |            |
|                       | - · · · · ·   | 208,000 | 100.00      | 2.99               | 299.00       | Managing Principal      | 172,940    |
| Project Manager       | Degreed, 15+ years experience                         | 156,000 | 75.00       | 2,99               | 224.25       | Project Manager         | 114,640    |
| Sr. Architect         | Degreed and licensed architect, 10+ years experience  | 138,674 | 66.67       | 2.99               | 199.34       | Senrior Arch / Int      | 114,330    |
| Sr. Interior Designer | Degreed, 15+ years experience                         | 104,000 | 50.00       | 2.99               | 149.50       | Senrior Arch / Int      | 114.330    |
| Designer              | Degreed, non-licensed                                 | 93,600  | 45,00       | 2,99               | 134.55       | Architectural Staff III | 89,290     |
| Project Administrator | High School Graduate/ Intern                          | 62,400  | 30.00       | 2.99               | 89.70        |                         | ,          |

Rates will be escalated 3.5% each calendar year upon approval only.

# CONTRACT FOR CONSULTING/PROFESSIONAL SERVICES SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2 PBCWUD PROJECT NO. 22-033, PACKAGE IDENTIFICATION NO. CD09

## **Exhibit D OEBO Schedules**

OEBO Schedule 1 List of Proposal Contractor/Consultant and Subcontractor/Subconsultant Participation

> OEBO Schedule 2 Letter of Intent

## **OEBO SCHEDULE 1**

| SOLICITATION/PROJECT/BID NAME: South County Recta   | South County Reclaimed Water Transmission Pipeline ECT/BID NAME: Phase 2 |                      |  |                   |                 | SOLICITATION/PROJECT/BID NO.: 22-033    |                               |  |                             |                            |  |  |
|---|--|----------------------|--|-------------------|-----------------|---|-------------------------------|--|-----------------------------|----------------------------|--|--|
| SOLICITATION OPENING/SUBMITTAL DATE:  | COUNTY DEPARTMENT: Water Utilities Department                            |                      |  |                   |                 |   |                               |  |                             |                            |  |  |
| Section A PLEASE LIST THE DOLLAR AMOUNT NAME OF PRIME RESPONDENT/BIDDER:  |  |                      | OF WORK  | TO BE CON         |                 | IE <u>PRIME CON</u> 500 Au DRESS: 33401 | TRACTOR/CO<br>stralian Avenue | NSULTANT* ON PROJECT OF SOUTH SUITE 85 | N THE PROJE<br>0, West Palm | : <b>CT:</b><br>1 Beach FL |  |  |
| contact person: Suzanne Dombrowski, P.  | E., ENV  | SP                   |  | _ PHONE           | NO.: 561-7      | 746-6900                                | E-MAI                         | L: sdombrow                            | ski@chen                    | imoore.con                 |  |  |
| PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WOR *SMWBE Prime's must include their percentage or dollar am  |  | otal Partici         | pation line (  | under section     | Non-SE          |   |                               | BE                                     |                             |                            |  |  |
| Section B  PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT BELOW:  (Check all Applicable Categories)  DOLLAR AMOUNT OR PERCENTAGE OF WORK |  |                      |  |                   |                 |   |                               |  |                             |                            |  |  |
| Subcontractor/Sub consultant Name   | (спеск а   | M <u>BE</u>          | ie Categorii<br><u>WBE</u>   | es;<br><u>SBE</u> |                 | DOLLAR AN                               | 10UNT OR                      | PERCENTAGE                             | OF WOR                      | K                          |  |  |
|   | Non-SBE  | Minority<br>Business | Women<br>Business  | Small<br>Business | Black           | Hispanic                                | Women                         | Caucasian                              | Asian                       | Other                      |  |  |
| Barnes, Ferland and Associates, Inc.  | 11 de Nobresse   | ✓ contractive        | 4  | 1                 | 2.00%           |   |                               | para .                                 |                             |                            |  |  |
| Brown and Caldwell (Corporation)  | <b>7</b>   | accountry.           | The state of the s |                   |                 |   |                               | 13.00%                                 |                             |                            |  |  |
| C&W Engineering, Inc.   |  | T-STANDARD           | w days   | 7                 |                 |   |                               | 2.00%                                  |                             |                            |  |  |
| Engineered Design Services LLC  |  | <b>✓</b>             |  | <b>V</b> 1515     | 8.00%           |   |                               |  |                             |                            |  |  |
| HBC Engineering Company   | Constant   | <b>1</b>             | ***************************************  | <b>/</b>          | 3.00%           |   |                               |  |                             |                            |  |  |
| (Please use additional sheets if necessary)   |  |                      |  | Total             |                 |   |                               |  |                             |                            |  |  |
| otal Bid/Offer Price \$ See sheet 3   | -  |                      |  | lotai             | Tota            | Il Certified S/M/W                      | /BE Participation             | See sheet                              | 3                           |                            |  |  |
| hereby certify that the above information is accurate to the best   | of my knowie   | <sub>dge:</sub> Suza | anne D   | ombrow            | /ski, P.E.      | 5 (-                                    | ₹ .                           |  | incipal Engin               | ieer                       |  |  |
|   |  |                      | 1  | Name & Autho      | rized 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.

## **OEBO SCHEDULE 1**

| South County Reclaimed Water Transmission Pipeline  SOLICITATION/PROJECT/BID NAME: Phase 2 |                 |  | SOLICITATION/PROJECT/BID NO.: 22-033    |   |   |                   |                   |                                 |                 |           |  |  |
|--|-----------------|--|---|---|---|-------------------|-------------------|---------------------------------|-----------------|-----------|--|--|
| OLICITATION OPENING/SUBMITTAL DATE:  |                 |  |   |   | COUNTY DEPARTMENT: Water Utilities Department |                   |                   |                                 |                 |           |  |  |
| Section A PLEASE LIST THE DOLLAR AMO  Chen Moon NAME OF PRIME RESPONDENT/BIDDER:           | UNT OR PER      |  | OF WORK                                 | TO BE COM                               |   |                   |                   | NSULTANT* ON<br>South, Suite 85 |                 |           |  |  |
| ONTACT PERSON: Suzanne Dombrowski, P   | .E., ENV        | SP   |   | PHONE                                   |   |                   | E-MAI             | L: sdombrow                     | ski@chenn       | noore.com |  |  |
| PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WO  | 33.00%<br>RK:   |  |   |   | _ Non-SB                                      |                   |                   | BE                              |                 |           |  |  |
| Section B PLEASE LIST THE DOLLAR AMO   |                 |  |   |   | 1   |                   |                   |                                 |                 |           |  |  |
| Subcontractor/Sub consultant Name  | (Check a        | all Applicab<br><u>MBE</u>   | le Categorio<br><u>WBE</u>              | es)<br><u>SBE</u>                       |   |                   |                   | <u>PERCENTAGI</u>               |                 |           |  |  |
|  | Non-SBE         | Minority<br>Business   | Women<br>Business                       | Small<br>Business                       | Black   | Hispanic          | Women             | Caucasian                       | Asian           | Other     |  |  |
| t. Hillers Electrical Engineering, Inc.  | Annual          | <b>✓</b>   |   | <b>4</b>                                |   |                   |                   |                                 | 3.00%           |           |  |  |
| Inframap Corp.   | 1               | STATE OF THE PARTY |   | .:::::::::::::::::::::::::::::::::::::: |   |                   |                   |                                 |                 | 1.00%     |  |  |
| Keshavarz & Associates, Inc.   | Awaana.         | Superior section   | -continued                              | <b>/</b>                                |   |                   |                   |                                 | 22.00%          |           |  |  |
| LB Limited and Associates, Inc.  | Constant        | ✓ comment  | 110000000000000000000000000000000000000 | **************************************  | 1.00%   |                   |                   |                                 |                 |           |  |  |
| Pacifica Engineering Services, LLC   |                 | ~  |   | <b>Y</b>                                | 2.00%   |                   |                   |                                 |                 |           |  |  |
| (Please use additional sheets if necessary)  |                 |  |   | Total                                   |   |                   |                   |                                 |                 |           |  |  |
| otal Bid/Offer Price \$ See sheet 3  | _               |  |   |   | Tota  | al Certified S/M/ | NBE Participation | s See shee                      | t 3             |           |  |  |
| hereby certify that the above information is accurate to the bes                           | st of my knowle | edge: Suz  | anne D                                  | ombrow)                                 | /ski, P.E.                                    | 7~                |                   | . Р                             | rincipal Engine | er:       |  |  |
|  |                 |  |   |   | orized Signature                              | 0                 |                   |                                 | 7               | Title     |  |  |

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.

Note:

#### **OEBO SCHEDULE 1**

| Solicity Reclaimed Water Transmission Pipeline  SOLICITATION/PROJECT/BID NAME: Phase 2 SOLICITA  |   |                             |                          |  | SOLICITATION               | /PROJECT/BIO      | NO.: 22-03        | 33                              |                 |       |  |
|--|---|-----------------------------|--------------------------|--|----------------------------|-------------------|-------------------|---------------------------------|-----------------|-------|--|
| SOLICITATION OPENING/SUBMITTAL DATE:   |   |                             |                          |  | Water Utilities Department |                   |                   |                                 |                 |       |  |
| Section A PLEASE LIST THE DOLLAR AMO NAME OF PRIME RESPONDENT/BIDDER:  Chen Moon   | UNT OR PERG                             |                             | OF WORK                  | ( TO BE COM  |                            |                   |                   | NSULTANT* OI<br>South, Suite 85 |                 |       |  |
| CONTACT PERSON: Suzanne Dombrowski, P  | PHONE                                   | NO.:561-7                   | 46-6900                  | E-MAI  | L: sdombrow                | ski@chenn         | noore.com         |                                 |                 |       |  |
| PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WO *SMWBE Prime's must include their percentage or dollar ar                                      |   | otal Particip               | oation line              | under sectior  | Non-SB                     | ве мве            |                   | BE                              |                 |       |  |
| 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 a                                | II Applicab                 |                          |  |                            | DOLLAR AN         | MOUNT OR          | PERCENTAG                       | E OF WORK       |       |  |
| Subcontractor/Sub consultant Manne   | Non-SBE                                 | MBE<br>Minority<br>Business | WBE<br>Women<br>Business | <u>SBE</u><br>Small<br>Business  | Black                      | Hispanic          | Women             | Caucasian                       | Asian           | Other |  |
| <sub>1.</sub> PGAL, Inc.   |   |                             |                          |  |                            |                   |                   |                                 |                 | 2.00% |  |
| 2.   | *************************************** |                             |                          | and the state of t |                            | •                 |                   |                                 |                 |       |  |
| 3.   |   | second section              | w total                  | estate out on the  |                            |                   |                   |                                 |                 |       |  |
| 4.   | also de gradiença                       | very relation               | 43-14-00                 | and setting the setting to the setti |                            | <u> </u>          |                   |                                 |                 |       |  |
| 5.   |   | 77.000                      |                          | ······································   |                            |                   |                   |                                 |                 |       |  |
| (Please use additional sheets if necessary)  |   |                             |                          | Total  | 16.00%                     | 0.00%             | 0.00%             | 48.00%                          | 25.00%          | 3.00% |  |
| Total Bid/Offer Price \$   |   |                             |                          |  | Tota                       | al Certified S/M/ | WBE Participation | 43.00%                          |                 |       |  |
| I hereby certify that the above information is accurate to the bes   | t of my knowled                         | <sub>ige:</sub> Suz         | anne D                   | Dombrow  | rski, P.E.                 |                   |                   | . P                             | rincipal Engine | er    |  |
|  |   |                             |                          |  | orized Signature           |                   |                   |                                 | 1               | 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.

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: 22-033 SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2 Prime Contractor: Chen Moore And Associates, Inc. Subcontractor: Barnes, Ferland and Associates, Inc. (Check box(s) that apply) Date of Palm Beach County Certification (if applicable): 8/7/23-8/6/26 ☑SBE □WBE ☑MBE □M/WBE □Non-S/M/WBE 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 Description Unit Price Quantity/ Contingencies/ Total Price/Percentage Item Units **Allowances** 1 Subsurface Utility Engineering (SUE) Services TRN None 2.00% 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: 2.00% 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. N/A Price or Percentage: N/A Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant Chen Moore and Associates, Inc. | Barnes, Ferland and Associates, Inc. Print Name of Prime Print Name of Subcontractor/subconsultant Aulnorized Signature Authorized Signature Suzanne Dombrowski, P.E., ENV SP Willie E. Thomas, PE Print Name Print Name Principal Engineer President Title 2/2/2024 Date: 2/2/2024

Revised 09/17/2019

Date:

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| any tier) and should be treated as such. The Schedule 2 shall both parties recognize this Schedule as a binding docu Subcontractors/subconsultants, must properly execute this document the bid/proposal.  | contain bolument. All                | ded language<br>Subcontracto         | indicating that by s                            | including any tiered      |  |  |  |  |  |  |
|--|--------------------------------------|--------------------------------------|---|---------------------------|--|--|--|--|--|--|
| SOLICITATION/PROJECT NUMBER: 22-033  |                                      | <u>.</u>                             |   |                           |  |  |  |  |  |  |
| SOLICITATION/PROJECT NAME: South County Reclaimed  | Water Tra                            | ansmission                           | Pipeline Phase                                  | 2                         |  |  |  |  |  |  |
| Prime Contractor: Chen Moore and Associates, (Check box(s) that apply)   |                                      |                                      |   |                           |  |  |  |  |  |  |
| □SBE □WBE □MBE □M/WBE □Non-S/M/WBE D   | ate of Palm B                        | each County C                        | Certification (if appli                         | cable): 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 ☐ ☐ Hispanic American ☐  | lAsian Ameri<br>lNative Amer         |                                      | asian American                                  | □Supplier                 |  |  |  |  |  |  |
| S/M/WBE PARTICIPATION — S/M/WBE Primes must document all wor<br>properly executed Schedule 2 for any S/M/WBE participation may resu<br>to be performed or items supplied with the dollar amount and/or perce<br>which the S/M/WBE is certified. A detailed proposal may be attached to | lt in that partic<br>entage for eacl | cipation not bei<br>h work item. S/i | ng counted. Specify ir<br>M/WBE credit will onl | detail, the scope of work |  |  |  |  |  |  |
| Line Item Description  | Unit Price                           | Quantity/<br>Units                   | Contingencies/<br>Allowances                    | Total Price/Percentage    |  |  |  |  |  |  |
| 8.02, 8.04 Mechanical Systems. Engineering-Wastewater, Mechanical Engineering-Water, Collection Distribution   | TBD                                  | 1                                    | None  | 13.00%                    |  |  |  |  |  |  |
|  |                                      |                                      |   |                           |  |  |  |  |  |  |
|  |                                      |                                      |   |                           |  |  |  |  |  |  |
|  |                                      |                                      | -   |                           |  |  |  |  |  |  |
|  |                                      |                                      |   |                           |  |  |  |  |  |  |
| The undersigned Subcontractor/subconsultant is prepared to self-perforat the following total price or percentage: $\frac{13.00\%}{}$   | rm the above-                        | described work                       | in conjunction with th                          | e aforementioned project  |  |  |  |  |  |  |
| If the undersigned intends to subcontract any portion of this work to a amount below accompanied by a separate properly executed Schedule N/A  | e 2.                                 |                                      | nsultant, please list t                         | he business name and the  |  |  |  |  |  |  |
| Name of 2 <sup>nd</sup> /3 <sup>rd</sup> tier Subcontractor/subconsultant  |                                      |                                      |   |                           |  |  |  |  |  |  |
| Chen Moore and Associates, Inc.  | Bro                                  | wn and Ca                            | ıldweli (Corpor                                 | ation)                    |  |  |  |  |  |  |
| Print Name of Prime  | Print N                              | lame of Subcon                       | tractor/subconsultant                           | 11-                       |  |  |  |  |  |  |
| By:Authorized Signature  | Ву: _                                | Mallh                                | Xchu  | t                         |  |  |  |  |  |  |
| Suzanne Dombrowski, P.E., ENV SP   | Matth                                | ew Schultz                           | tnorzed Signature                               |                           |  |  |  |  |  |  |
| Print Name   | Print !                              |                                      |   |                           |  |  |  |  |  |  |
| Principal Engineer   |                                      | Presiden                             | t   |                           |  |  |  |  |  |  |
| Title 2/5/2024<br>Date:  | Title<br>Date:                       | 2/5/2024                             |   |                           |  |  |  |  |  |  |
|  | Date:                                |                                      | Rev   | ised 09/17/2019           |  |  |  |  |  |  |

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|   | ties recognize this Schedule as a bindi<br>actors/subconsultants, must properly execute<br>roposal.   |   | •   |  |   |  |
|---|---|---|---|--|---|--|
| SOLICITAT                               | 10N/PROJECT NUMBER: 22-033  |   |   |  |   |  |
| SOLICITAT                               | TON/PROJECT NAME: South County Rec  | laimed W  | ater Tra                                  | nsmission f  | Pipeline Phase 2  | 2  |
|   | ntractor: Chen Moore and Assoc  |   |   |  |   |  |
|   | x(s) that apply)<br>IWBE □MBE □M/WBE □Non-S/M/W   | BE Date   | of Palm Be                                | each County Co                                       | ertification (if applic                                   | 1/9/2023 to 1/8/2029<br>cable):  |
| The under<br>Column 1                   | rsigned affirms they are the following (select of<br>Column 2   | one from ead                                    | ch column                                 | if applicable)                                       | :   | Column 3   |
| ☑Male □                                 | □Supplier   |   |   |  |   |  |
| properly ex<br>to be perfo<br>which the | PARTICIPATION — S/M/WBE Primes must docume<br>secuted Schedule 2 for any S/M/WBE participation<br>brand or items supplied with the dollar amount an<br>S/M/WBE is certified. A detailed proposal may be | may result in<br>d/or percenta<br>attached to a | that partic<br>ge for each<br>properly ex | ipation not bein<br>work item. S/I<br>xecuted Schedu | ng counted. Specify in<br>M/WBE credit will onli<br>le 2. | detail, the scope of work<br>y be given for the areas in   |
| Line<br>Item                            | Item Description  | 0   | Init Price                                | Quantity/<br>Units                                   | Contingencies/<br>Allowances                              | Total Price/Percentage   |
| 9.03                                    | Electrical Engineering-Industrial Facilitie   | es  | TBD                                       | 1  | None  | 2.00%  |
|   |   |   |   |  |   |  |
|   |   |   |   |  |   |  |
|   |   |   |   |  |   |  |
|   |   |   |   |  |   |  |
|   | signed Subcontractor/subconsultant is prepared to owing total price or percentage: 2.00%  | self-perform                                    | the above-                                | described work                                       | in conjunction with th                                    | e aforementioned project   |
| amount be                               | ersigned intends to subcontract any portion of this elow accompanied by a separate properly execute   |   | •   |  | nsultant, please list t                                   | he business name and the   |
|   | me of 2 <sup>nd</sup> /3 <sup>rd</sup> tier Subcontractor/subconsultant   |   |   |  |   |  |
| -                                       | Chen Moore and Associates,  | Inc.  |   |  | neering, Inc.   | Makhana a sa   |
|   | Print Name of Prime   |   |   | Name of Subcor                                       | ntractor/subconsultan                                     | t de la companya de l |
|   | By:Authorized Signature   |   | Ву:                                       | A  | uthorized Signature                                       |  |
|   | Suzanne Dombrowski, P.E., ENV SP  |   | M   | lichael  | Guida   |  |
|   | Print Name  |   |   | Name   | •   |  |
| ,                                       | Principal Engineer  |   | Title                                     | resider  | 1+  |  |
|   | 2/5/2024<br>Date:   |   |   | 2-5-2  | Щ   |  |
|   |   | <del></del>                                     | - 406,                                    |  |   | vised 09/17/2019   |

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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: 22-033 SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2 Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: Engineered Design Services LLC (Check box(s) that apply) ☑SBE □WBE ☑MBE □M/WBE □Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10/1/21 to 9/30/24 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 Description **Unit Price** Quantity/ Contingencies/ Total Price/Percentage **Item** Units Allowances 9.03, 10.03 Electrical, Structural Engineering-Industrial, Engineering-Industrial Facilities TBD 1 None 8.00% 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: 8.00% 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. N/A Price or Percentage: N/A Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant Chen Moore and Associates, Inc. **Engineered Design Services LLC** Print Name of Prime Print Name of Subcontractor/subconsultant Authorized Signature Authorized Signature Suzanne Dombrowski, P.E., ENV SP Craig McKenzie, P.E. Print Name Principal Engineer Manager Title 2/5/2024 Date: 2/5/2024 Date:

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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: 22-033 SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2 Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: HBC Engineering Company (Check box(s) that apply) ☑SBE □WBE ☑MBE □M/WBE □Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 5/24/22 to 5/23/25 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 Description Unit Price Quantity/ Contingencies/ Total Price/Percentage Item Units Allowances 1 Civil Engineering Services TBD None 3.00% 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: 3.00% 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. N/A Price or Percentage: N/A Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant Chen Moore and Associates, Inc. **HBC Engineering Company** Print Name of Prime Print Name of Subcontractor/subconsultant Authorized Signature Authorized Signature Suzanne Dombrowski, P.E., ENV SP Edgardo Diaz, MS, PE, PSM Print Name Print Name Principal Engineer Vice-President Title 2/5/2024 Date: February 5, 2024 Date:

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Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal. SOLICITATION/PROJECT NUMBER: 22-033 SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2 Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: Hillers Electrical Engineering, Inc. (Check box(s) that apply) Date of Palm Beach County Certification (if applicable): 10/17/21 to 10/16/24 ☑SBE □WBE ☑MBE □M/WBE □Non-S/M/WBE The undersigned affirms they are the following (select one from each column if applicable): Column 1 Column 3 ☐ African-American/Black ☐ Asian American ☐ Caucasian American ☑Male ☐ Female □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 Description Unit Price Quantity/ Contingencies/ Total Price/Percentage Item Units **Allowances** 9.03 TRD 3.00% Electrical Engineering-Industrial Facilties 1 None 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: 3.00%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. Price or Percentage: N/A N/A Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant Chen Moore and Associates, Inc. Hillers Electrical Engineering, Inc. Print Name of Prime Authorized Signature Suzanne Dombrowski, P.E., ENV SP Print Name Print Name Principal Engineer Senior Vice President Date: 02/05/2024 2/5/2024

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Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal. SOLICITATION/PROJECT NUMBER: 22-033 SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2 Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: InfraMap Corp (Check box(s) that apply) Date of Palm Beach County Certification (if applicable): N/A□SBE □WBE □MBE □M/WBE □Non-S/M/WBE 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 Description **Unit Price** Quantity/ Contingencies/ Total Price/Percentage ltem Units Allowances Subsurface Utility Engineering (SUE) Services TBD 1.00% 1 1 None 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: 1.00% 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. Price or Percentage: N/A N/A Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant Chen Moore and Associates, Inc. InfraMap Corp. Print Name of Prime Print Name of Subcontractor/subconsultant Authorized Signature Authorized Signature Suzanne Dombrowski, P.E., ENV SP Darlene Siegel, CPA, CGMA, MBA Chief Financial Officer Principal Engineer Date: 2/2/2024 Date: 2/2/2024

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Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal. SOLICITATION/PROJECT NUMBER: 22-033 SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2 Keshavarz & Associates, Inc. Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: (Check box(s) that apply) Date of Palm Beach County Certification (if applicable): 10/4/22 to 10/3/25 ☑SBE □WBE □MBE □M/WBE □Non-S/M/WBE 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 SfM/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. Total Price/Percentage Line Item Description **Unit Price** Quantity/ Contingencies/ ltem Units **Allowances** 5.01, 5.02 Topography-Land Surveying, Topography-Engineering Surveying 1 None 22.00% Mechanical Engineering - Waterwater Collection System, 8.02, 8.04 Mechanical Engineering - Water Distribution Systems, Construction Management Services 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: 22% 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. Price or Percentage: Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant Chen Moore and Associates, Inc. Keshawarz & Associates, Inc. Print Name of Prime Print Name of Subcontractor/subconsultant Authorized Signature Authorized Signature Suzanne Dombrowski, P.E., ENV SP Amir J. Keshavarz, P.E. Print Name Print Name Principal Engineer Managing Director Title Title 2/5/2024

Date:

Date:

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2/5/2024

Date:

Revised 09/17/2019

2/5/2024

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: 22-033 SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2 Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: Pacifica Engineering Services, LLC (Check box(s) that apply) Date of Palm Beach County Certification (if applicable): \_\_\_\_\_ ☑SBE □WBE ☑MBE □M/WBE □Non-S/M/WBE The undersigned affirms they are the following (select one from each column if applicable): Column 1 Column 2 Column 3 ☑ African-American/Black □ Asian American □ Caucasian American ☑Male ☐ Female □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 Description Unit Price Quantity/ Contingencies/ Total Price/Percentage Item Units Allowances 6.01, 6.06 TBD 1 None 2.00% Soils, Foundation and Material Testing-Geological and Geophysical Studies, Soils, Foundation and **Material Testing-Material Testing** 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: 2.00% 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. N/A Price or Percentage: N/A Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant Chen Moore and Associates, Inc. Pacifica Engineering Services, LLC Print Name of Subcontractor/subconsultant Print Name of Prime **Authorized Signature** Authorized Signature Suzanne Dombrowski, P.E., ENV SP Wesley Foster **Print Name** Print Name Principal Engineer President Title Date: 02/02/2024 2/5/2024

#### **ATTACHMENT 1**

### AFFIRMATIVE PROCUREMENT INITIATIVES FOR PROFESSIONAL SERVICES CONTRACTS ("API"s)

The API(s) approved for this project are selected below by ⊠. Any proposal/response/bid that fails to comply with the API requirements after the period allowed for waiver requests has lapsed shall be deemed non-responsive. Capitalized terms are defined as set forth in the EBO Ordinance. Exhibit "X" attached hereto and incorporated herein by reference, includes all forms related to the EBO Program, including waiver forms and good faith documentation. Also, see the EBO Ordinance and Countywide PPM CW-O-043 for further information on APIs.

□ SBE Vendor Rotation - Contract valued at less than \$100,000 (non-CCNA) (no price competition)

Prequalified SBE firms will be assigned work tasks on a rotating basis.

A prequalified panel of SBE Professional Services firms (the SBE Vendor Rotation List) will be assigned work tasks on a rotating basis. Periodically, the SBE Vendor Rotation list shall be re-ordered according to the firm with the least amount of dollars received to the most dollars received from the County based upon the cumulative dollars received within the past year.

☐ SBE Vendor Rotation - Contract valued at less than \$100,000 (price competition required)

The Originating Department shall solicit price quotations from the next 3 prequalified SBE firms in the SBE Vendor Rotation list.

When the County requires price competition in its Solicitations, and when quotations from several firms are required before award of Contracts valued at less than \$100,000, Solicitations for price quotations shall be affirmatively and directly sought from the next 3 firms appearing in the SBE Vendor Rotation list of prequalified firms for that type of Professional Service prior to Contract award. With each successive Solicitation of quotations of this type, the list shall be rotated to the next group of three SBE vendors appearing in the rotation.

□ Evaluation Preference for New SBE Prime Respondents for RFPs

points (Up to 15 percent of total evaluation points) have been allocated for <u>NEW</u> SBE Prime respondents for this Contract.

Up to 15 percent (15%) of the total number of evaluation points allocated for selection of a Professional Services firm by the County shall be reserved for SBE prime respondents that have only received their first contract award with the County within the past year, or have not yet received a cumulative total of \$1,000,000 or more in payments from the County for Professional Services rendered (whichever period of time is longer).

☐ SBE Reserve for Contracts Less than \$5,000

This Contract procurement is limited to certified SBE Professional Services firms.

Small Professional Services Contracts valued at less than \$5,000 shall be reserved exclusively for competition among SBE Professional Services firms.

### ☐ SBE Reserve for Contracts Between \$5,000 and \$99,999, (non-CCNA) SBE Quotations Required

The Originating Department shall affirmatively solicit at least 2 to 3 quotations or proposals from SBE firms prior to award.

For non-CCNA Professional Services Contracts valued between \$5,000 and \$99,999, the County shall require at least two to three quotations or proposals be solicited from SBE Professional Services firms before the County may make an award.

#### □ SBE Evaluation Preference for SBE Prime Respondents (Contracts less than \$500,000)

Points (up to 15% of the total evaluation points) are available to SBE prime respondents

An SBE Evaluation Preference of up to 15 percent (15%) of the total number of available evaluation points for scoring of proposals shall be reserved for SBE prime bidders on County Professional Services Contracts valued at less than \$500,000.

#### □ SBE Evaluation Preference for SBE Participation (Contracts \$500,000 or greater)

(0 to 15%) total evaluation points shall be awarded based on the level of SBE dollar participation committed to on the prime respondent/bidder's team.

Evaluation Preference points shall be awarded on a sliding scale from zero up to 15 percent (15%) of the total available evaluation points for scoring of proposals to those firms responding to Professional Services Solicitations valued at \$500,000 or greater. The sliding scale shall be based upon the relative level of SBE dollar participation that has been committed to on the prime respondent/bidder's team (e.g., zero SBE participation on a prime respondent/bidder's team shall yield zero evaluation points, whereas the maximum SBE participation among all prime bidders, at the prime Contract and subcontract levels combined, shall yield award of fifteen Evaluation Preference points out of 100; and a prime respondent/bidder's team that achieves only half as many dollars in SBE participation as the firm with the greatest SBE dollar participation at the prime Contract and subcontract levels combined shall be awarded 7.5 evaluation points out of 100.

#### × SBE Subcontracting Goals for Professional Services

A 25% SBE subcontracting participation goal is established for this Contract.

A minimum mandatory goal of 20% of the total estimated dollar value of the Contract shall be subcontracted to SBEs, however the EBO Office shall reduce or waive this goal when there is inadequate availability of SBE prime and / or subcontractor firms.

#### × M/WBE Evaluation Preferences for M/WBE Participation

<u>15%</u> (0 to 15%) evaluation total points shall be awarded based on the level of M/WBE dollar participation that has been committed to on the prime respondent/bidder's team.

Evaluation Preference points shall be awarded on a sliding scale from zero up to 15 percent (15%) of the total available evaluation points for scoring of proposals based upon the relative level of M/WBE dollar participation that has been committed to on the prime respondent/bidder's team (e.g., zero M/WBE participation on a prime respondent/bidder's team shall yield zero evaluation points, whereas the proposal from the prime

respondent/bidder that proposes achieving the maximum M/WBE participation among all prime respondent/bidders, at the prime Contract and subcontract levels combined, shall yield award of fifteen Evaluation Preference points out of 100 to that bidder; and a prime respondent/bidder's team that achieves only half as many dollars in M/WBE participation as the firm with the greatest M/WBE dollar participation at the prime Contract and subcontract levels combined shall be awarded 7.5 evaluation points out of 100).

#### Explanation of GSC's reasons for applying this API:

| ☐ M/WBE Subcontracting Goals for Professional Services  |
|---|
| (Up to 40%) of this Contract shall be subcontracted to certified M/WBEs owned by African American, Hispanic American, Asian American, Native American, and non-minority women persons.  |
| Up to 40% of this Contract as noted above, shall be subcontracted to eligible M/WBEs (i.e., certified M/WBE firms owned by African American, Hispanic American, Asian American, Native American, and non-minority women persons). However the EBO Office shall reduce or waive this goal when there is inadequate availability of M/WBE prime and / or subcontractor firms. |
| Explanation of GSC's reasons for applying this API:   |
|   |
|   |
|   |
| □ M/WBE Segmented Subcontracting Goals for Professional Services  |
| % of the M/WBE subcontracting goal shall be achieved through the utilization of □ African American, □ Hispanic American, □ Asian American, □ Native American, □ Non-minority women persons (Check applicable).*   |
| M/WBE Segmented Subcontracting Goals are established where an overall combined M/WBE goal is accompanied by subsets of one or more smaller goals that specifically target the participation of a particular segment of Minority Group Member segments or the  |

M/WBE Segmented Subcontracting Goals are established where an overall combined M/WBE goal is accompanied by subsets of one or more smaller goals that specifically target the participation of a particular segment of Minority Group Member segments or the WBE segment based upon that segment's relative availability. Such segmented goals shall specifically target the participation of a particular segment of business enterprises owned and controlled by women or certain Minority Group Members (e.g., African-Americans) based upon relative availability, as well as the existence of consistently and significantly greater patterns of underutilization and disparity within an industry as compared to other gender and Minority Group Member categories of M/WBEs. (For example, if an overall M/WBE subcontracting goal is set at 46% on a given Contract, the segmented subcontracting goal may require that at least 10% of that 46% shall be satisfied through the utilization of African American subcontractors.) The EBO Office shall reduce or waive this goal when there is inadequate availability of M/WBE prime and / or subcontractor firms.

#### Explanation of GSC's reasons for applying this API:

### □ M/WBE Vendor Rotation - Contracts valued at less than \$100,000- Non-CCNA- No Price Competition

A prequalified panel of M/WBEs shall be assigned work tasks on a rotating basis.

For non-CCNA County Professional Services Contracts valued at less than \$100,000, a prequalified panel of M/WBE Professional Services firms will be assigned work tasks on a rotating basis. Periodically, the M/WBE Vendor Rotation list shall be re-ordered according to the firm with the least amount of dollars received to the most dollars received from the County based upon the cumulative dollars received within the past year.

Explanation of GSC's reasons for applying this API:

☐ M/WBE Vendor Rotation - Contracts valued at less than \$100,000-Non-CCNA with Price Competition required

The Originating Department shall solicit quotations from the next 3 firms appearing in the M/WBE Vendor Rotation list.

When quotations from several firms are required before award of Contracts valued at less than \$100,000, Solicitations for price quotations shall be affirmatively and directly sought from the next three firms appearing in the M/WBE Vendor Rotation list of prequalified firms for that type of Professional Service prior to Contract award. With each successive Solicitation of quotations of this type, the list shall be rotated to the next group of three M/WBE vendors appearing in the rotation.

Explanation of GSC's reasons for applying this API:

| □ M/WBE Required Quotations for DPO Contracts up to \$5,000   |
|---|
| For small DPO Professional Services Contracts valued at less than five thousand dollars (\$5,000), the Originating Department shall solicit quotes from (up to 3) M/WBE firms prior to award. |
| Explanation of GSC's reasons for applying this API:   |
|   |
|   |
|   |
| ☐ Required M/WBE Solicitation for non-CCNA Contracts Valued Between \$5,000 and \$99,999  |
| The Originating Department shall solicit at least two to three quotations or proposals from M/WBE Professional Services firms before the County may make an award.                            |
| Explanation of GSC's reasons for applying this API:   |

# CONSULTANT SERVICES AUTHORIZATION NO. \_1\_ Palm Beach County Water Utilities Department Contract for Consulting/Professional Services South County Reclaimed Water Transmission Pipeline – Phase 2 Resolution No. \_\_\_\_\_\_ Contract Dated

|             |                          | Contract Dated   |
|-------------|--------------------------|--|
| Proj        | ect Tit                  | e: South County Reclaimed Water Transmission Pipeline - Phase 2  |
| PBC         | WUD I                    | Project No.: <u>23-053</u>   |
| Con         | sultani                  | : Chen Moore and Associates, Inc.  |
| Add         | ress: _                  | 500 South Australian Avenue, Suite 850, West Palm Beach, FL 33401  |
| Bud         | get Lin                  | e Item No.: 4011-721-W039-6543   |
| Dist        | rict No                  | : <u>5</u>   |
| This        | Consu                    | Itant Services Authorization provides for: <u>professional consulting services to perform</u>  |
| desi        | gn, peri                 | nitting and bidding support services associated with the construction of approximately   |
| <u>4 mi</u> | les of 2                 | 4-inch reclaimed water pipeline, reclaimed water pump station and related facilities.  |
|             |                          |  |
|             | ·                        | (See ATTACHMENT A for detailed scope of services)  |
| and whic    | <u>16.00%</u><br>h inclu | ot provides for <u>43.00</u> % SBE participation, which includes <u>16.00</u> % MBE participation, MBE (B). This Consultant Services Authorization includes <u>40.60</u> % overall participation des, <u>25.91</u> % MBE participation, and 15.85% MBE (B). The cumulative SBE       |
| MBE         | partici                  | , including this Consultant Services Authorization is $\underline{40.60}\%$ , which includes $\underline{25.91}\%$ pation, $\underline{15.85}\%$ MBE (B).  |
| 1.          | Servic                   | es completed by the Consultant to date :   |
|             | See A                    | TTACHMENT B.   |
| 2.          | Consu                    | Iltant shall begin work upon receipt of Notice to Proceed correspondence.  |
| 3.          | The cobe:                | ompensation to be paid to the Consultant for providing the requested services shall  |
|             | A.                       | Computation of time charges plus expenses, not to exceed \$2,668,156.41  |
|             | B.                       | Fixed price of \$_0.00   |
|             | C.                       | Total \$ 2,668,156.41  |
| 4.          | event<br>for all         | authorization may be terminated by the County without cause or prior notice. In the of termination not the fault of the Consultant, the Consultant shall be compensated services performed through the date of termination, together with reimbursable ses (if applicable) then due. |

# CONSULTANT SERVICES AUTHORIZATION NO. 1 Palm Beach County Water Utilities Department Contract for Consulting/Professional Services South County Reclaimed Water Transmission Pipeline – Phase 2 Resolution No. Contract Dated

|      | Resolution No Contract Dated  |
|------|---|
| Proj | ect Title: South County Reclaimed Water Transmission Pipeline – Phase 2   |
| PBC  | CWUD Project No.: 23-053  |
| 5.   | SBE participation is included in <b>ATTACHMENT C</b> 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 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.

# CONSULTANT SERVICES AUTHORIZATION NO. 1 Palm Beach County Water Utilities Department Contract for Consulting/Professional Services South County Reclaimed Water Transmission Pipeline – Phase 2 Resolution No. Contract Dated

| Resolution No  | Contract Dated  |
|--|---|
| Project Title: South County Reclaimed Water  | Transmission Pipeline – Phase 2   |
| PBCWUD Project No.: 23-053   |   |
| IN WITNESS WHEREOF, this Authorization obligations of the aforementioned Contract.               | is accepted, subject to the terms, conditions and   |
| PALM BEACH COUNTY, A POLITICAL SUBD  | DIVISION OF THE STATE OF FLORIDA  |
| Joseph Abruzzo, Clerk of the Circuit Court<br>& Comptroller, Palm Beach County                   | Palm Beach County, Board of County Commissioners  |
| ATTEST:  |   |
| Signed:  | Signed:   |
|  | H13   |
| Typed Name:Deputy Clerk  | (Date)  |
| Approved as to Form and Legal Sufficiency Signed:  | Chen Moore and Associates, Inc. (Consultant)  Suzanne Dombrowski, P.E., ENV SP (Print Name) |
| Typed Name: Michael W. Jones County Attorney   | (Signature)   |
|  | Principal Engineer (Title) 2 /12/2024   |
| STATE OF FLORIDA COUNTY OF Palm Beach  | (Date)  |
| The foregoing instrument was acknowledged before   | e me by means of $f M$ physical presence or $\Box$ online notarization,                     |
| this 12 day of February , 2024, by   | who is a personally   |
| known to me or  has produced   | as identification.  (Signature of Notary Public - State of Florida)                         |
| Notary Public State of Flonds Justin A Tagle My Commission HH 072998 Elipines 12/15/2024 (Print, | Type, or Stamp Commissioned Name of Notary Public)  |

Office: +1 (561) 746-6900



#### January 10, 2024

SENT VIA E-MAIL (kbernsten@pbcwater.com)

Mrs. Krystin Berntsen, P.E., PMP
Deputy Director
Palm Beach County Water Utilities Department
8100 Forest Hill Boulevard
West Palm Beach, FL33416

Re:

Request for Addition of Signature Authority

Contract # PBCWUD 22-033

Dear Mrs. Berntsen,

With this letter I am allowing Suzanne Dombrowski, P.E., ENV SP, Principal Engineer, to have signature authority on behalf of Chen Moore and Associates, Inc. for letters, forms, contracts and other related documents under Contract # PBCWUD 22-033, South County Reclaimed Water Transmission Pipeline Phase 2.

Should you have any questions, please do not hesitate to contact me at (561) 746-6900, ext. 1002 or <a href="mailto:pmoore@chenmoore.com">pmoore@chenmoore.com</a>.

Respectfully submitted,

CHEN MOORE AND ASSOCIATES

Peter Moore, P.E., F.ASCE, ENV SP, LEED AP, President

Cc: Suzanne Dombrowski, P.E., ENV SP, Principal Engineer, Chen Moore and Associates, Inc.

chenmoore.com

# CONSULTANT SERVICES AUTHORIZATION NO. \_1\_ Palm Beach County Water Utilities Department Contract for Consulting/Professional Services South County Reclaimed Water Transmission Pipeline – Phase 2 Resolution No. \_\_\_\_\_ Contract Dated \_\_\_\_\_

| LI: | ST         | OF         | ATT        | ACH | IME               | NTS |
|-----|------------|------------|------------|-----|-------------------|-----|
|     | <b>U</b> I | <b>U</b> : | $\sim$ 1 1 | 701 | B B A E Joseph St | 110 |

ATTACHMENT A Scope of Services

ATTACHMENT B Summary and Status of Consultant Services Authorizations

ATTACHMENT C OEBO Schedules 1 and 2

ATTACHMENT D Project Schedule

ATTACHMENT E Budget Summary

ATTACHMENT F Summary of SBE-M/WBE Business Tracking

ATTACHMENT G Location Map

ATTACHMENT H Sheet List

Revised 12/20/2022

#### **ATTACHMENT A**

#### SCOPE OF SERVICES

Project Title: South County Reclaimed Water Transmission Pipeline Phase 2

PBCWUD Project No.: 23-053

#### **BACKGROUND**

On April 5, 2016, the Board of County Commissioners (BCC) approved an Interlocal Agreement Between Palm Beach County (PBC) and Broward County Related to the Construction, Ownership, Operation, and Maintenance of a Regional Reclaimed Water System (Agreement) to deliver reclaimed water from Broward County's northern wastewater treatment plant to the Palm Beach County Water Utilities Department (PBCWUD) service area (R2016-0470). The First Amendment to the Agreement was approved by the BCC on August 15, 2017 (R2017-1052).

Phase 1 has been divided into three (3) segments. Phase 1A is completing construction, Phase 1B and Phase 1C are under design. Phase 2 design will be performed under this Consultant Services Authorization (CSA) and will connect Phase 1A to Phase 1B and connect Phase 1B to the Mandatory Reclaimed Water Service Area (MRWSA) with 24-inch pipelines. This project includes a pump station to allow the reclaimed water to maintain adequate pressure when approaching the MRWSA.

#### **SCOPE OF SERVICES**

Chen Moore and Associates, Inc. (the CONSULTANT) shall perform the engineering Scope of Services as described herein. The proposed services will include the following tasks:

#### Task 1. Project Management and Coordination

The purpose of this task is to sustain project activities required as part of the administrative and management elements of the project such as project planning, meetings, including review and coordination meetings, quality control activities, and other informal meetings.

#### 1.1. Kickoff Meeting

The CONSULTANT shall prepare for and attend the Kickoff Meeting with PBCWUD. Preparation will include providing an agenda and a meeting summary and also the communication of pertinent action items to the supporting delivery team.

#### 1.2. Coordination and General Correspondence

The CONSULTANT shall maintain ongoing coordination with the PBCWUD Project Manager regarding project progress and each issue or concern as it arises. Coordination will also incorporate communication with PBCWUD staff regarding feedback from stakeholders and regulatory agencies. Coordination will involve written and telephonic communication throughout the project duration. For the purposes of establishing the level of effort, it is assumed that the design schedule will be approximately twenty (20) months.

#### 1.3. Progress Meetings

The CONSULTANT shall prepare agendas, attend meetings, and prepare meeting summaries for up to six (6) progress meetings in addition to submittal review meetings over the project duration.

#### Task 1 Deliverables:

- Meeting Agendas: Letter sized Electronic Portable Document Format (PDF)
- Meeting Summaries: Letter sized Electronic PDF

#### Task 2. Field Services

The CONSULTANT shall perform all field investigations necessary to determine the physical and regulatory conditions of the pipeline route and discharge locations. This shall include site visits, geotechnical investigations, subsurface utility engineering, survey, and environmental investigations.

#### 2.1. Records Review, Site Investigation and Photo Study

The CONSULTANT shall conduct site visits to document field conditions associated with the pipeline route and pump station. Coordination required to select and access the locations for each proposed canal/lake outfall shall be provided by PBCWUD. The site investigation shall include the following sub-tasks:

- Review of record drawings and previous studies.
- · Review of plans prepared by others adjacent to the project area (GL Homes).
- Site visit
- Preparation of a Technical Memorandum of field observations.
  - Chlorine Testing and Analysis SUBCONSULTANT will prepare a one-page sampling and testing protocol to perform analytical testing of Broward County (and potentially PBCWUD Southern Region Water Reclamation Facility (SRWRF)) reclaimed water to determine the performance of the chlorine residual over time. PBCWUD will be responsible for sample collection (including coordination with Broward County) and testing of the reclaimed water samples in accordance with the sampling and testing protocol. The SUBCONSULTANT will review and interpret the results provided by PBCWUD and prepare a presentation summarizing the findings. SUBCONSULTANT will meet with PBCWUD staff to present the findings and discuss PBCWUDs experience with managing water quality and associated maintenance requirements within its existing system. PBCWUD will prepare and furnish (prior to the meeting) background documentation of residual profiles and water quality induced system maintenance required in its existing MRWSA. The purpose of the meeting is two-fold: (i) to present the findings of the analysis and (ii) to gain a consensus regarding the anticipated benefits/need from incorporating the capability to boost chlorine residual at the proposed pump station. The SUBCONSULTANT will prepare an agenda, presentation (as mentioned previously) and minutes for this meeting.

#### 2.2. Subsurface Utility Engineering (SUE)

The CONSULTANT shall identify locations of existing underground utilities within the right-of-way and pump station site that may be in conflict with the proposed design.

2.2.1. Palm Beach County and Florida Department of Transportation Right-of-Way Permitting

The CONSULTANT shall coordinate with Palm Beach County Engineering and Public Works - Land Development Division (PBC Land Development) and the Florida Department of Transportation (FDOT) for the applicable right-of-way permit to allow for subsurface utility exploration and the acquisition of soil bores within Palm Beach County (PBC) rights-of-way.

#### 2.2.2. Level A - Potholes for Verification of Utility Locations

During the design phase it may be determined that additional information may be needed for specific utilities to confirm the location, acquire vertical elevations, confirm tie in locations, navigate critical crossings etc. The CONSULTANT shall prepare exhibits identifying locations of intended soft digs prior to mobilization of field crews. Collected field information will be included on the detailed design drawings with an identification symbol and call-out for each location in the plan view accompanied by a referenced table specifying measured depth, size and material. Up to one hundred twenty (120) soft digs have been included for this effort.

#### 2.2.3. Level B - Scan and Sweep / Targeting

The CONSULTANT shall conduct a thorough electronic search of the site for the buried utility systems shown on records acquired and verify that each utility has been electronically located and targeted. Also, the CONSULTANT shall conduct an electronic grid sweep of the site to search for utilities that do not appear on available records and attempt to determine their type. This investigation shall be accomplished using active and passive type utility detection gear that detects induced or naturally occurring energy fields present on conductive utilities. This investigation includes a ground penetrating radar sweep. Where nonconductive or non-locatable utilities are present, the CONSULTANT shall attempt to use all available information to place targeting in the field for those systems and generate notes for each such utility.

The results of the Level B scan and sweep targeting shall be acquired by the CONSULTANT's survey crews and depicted on the construction drawings. Up to eight (8) days of scanning / targeting has been included for this effort, which will be used to focus on complex locations within the corridor, such as intersections or potential major conflict locations.

#### 2.2.4. Level C - Design Tickets and Records Research

The CONSULTANT shall identify the pertinent entities and prepare exhibits and distribute requests for existing facility locations and proposed improvements to the dry utilities providers (electric, gas, phone, Community Antenna Television (CATV), traffic, etc.). The CONSULTANT shall coordinate and track the responses from the utility providers and incorporate the results onto the construction plans in an attempt to minimize potential conflicts during the construction of the proposed reclaimed water main.

#### 2.3. Geotechnical Investigation

The CONSULTANT shall commence the geotechnical investigation, including the effort associated with right-of-way permitting with PBCLD and FDOT for pavement cores and any other impacts of the geotechnical investigation to the asphalt pavement on PBC roadways.

2.3.1. Palm Beach County and Florida Department of Transportation Right-of-Way Permitting
The CONSULTANT shall coordinate with PBC Land Development and FDOT for any Maintenance
of Traffic (MOT) or pavement repair requirements associated with geotechnical investigation
activities.

#### 2.3.2. Soil Borings and Geotechnical Testing

The CONSULTANT shall proceed with the geotechnical investigation to collect soil borings for the determination of subsurface conditions. In addition to the soil borings, laboratory testing will be performed to determine soil type and corrosivity. The following Standard Penetration Test (SPT)

borings will proceed in general accordance with American Society for Testing and Materials (ASTM) D-1586 specifications:

- Forty (40) SPT borings to a depth of ten (10) feet each along the open-cut route of the proposed ductile iron pipe (DIP) run,
- Twenty (20) SPT borings to a depth of forty (40) feet each along the horizontal directional drill (HDD) location.
- Ten (10) pavement cores, including basecourse measurements and patching.
- Two (2) borehole permeability tests
- · Report preparation to follow Base Scope guidelines.

At the completion of the on-site work, CONSULTANT shall provide a Geotechnical Engineering Report including a description of findings, subsurface conditions at test locations, and generalized recommendations for open-cut and directional drilling utility line installation.

In order to provide information concerning the engineering properties of the soils encountered, it is anticipated tests shall be performed to determine natural water content, organic content, and sieve analysis on representative soil samples collected from the site. The Geotechnical Engineering Report will include graphic logs of the test borings and a test boring location plan for inclusion with the Final Construction Documents. CONSULTANT assumes the site is accessible to truck mounted drilling equipment and underground utilities will be cleared by others (Sunshine State One Call) prior to performing the on-site work.

#### 2.4. Survey

#### 2.4.1. Route Survey

The CONSULTANT shall prepare a route survey which shall depict the limits of the entire right-of-way together with the survey topographic data for the following areas:

- Glades Road from six hundred fifty (650)-linear feet (LF) west of Diego Drive North to State Road (SR) 7 (5,820 LF);
- SR 7 from Glades Road to the midpoint of the GL Homes John's West property (2,400 LF);
- Lyons Road from the north side of the Yamato Road intersection to Lake Woth Drainage District (LWDD) L-38 canal (10,720 LF)

A baseline shall be created along the centerline of each right-of-way to include plan sheet stationing. All known easements of record contiguous with the platted street rights-of-way lines, if any, as shown on the recorded plats, shall be depicted. The CONSULTANT shall establish at least ten (10) benchmarks for construction purposes within the project area and the location shall be indicated on the plan drawings. The survey shall be prepared and delivered in the State Plane Coordinate system.

#### 2.4.2. Topographic Survey

The CONSULTANT shall prepare a topographic survey for the entire limits of the right-of-way, including ten (10) feet beyond the right-of-way, based on the above described route survey and shall include identification and location of pavement edges, driveways and turnouts, sidewalks, trees, signs, power poles, guy wire anchors, light poles, above ground utility boxes, etc. Existing visible and accessible water valves, fire hydrants, back flow preventers, double detector check valves, sanitary manholes, storm manholes and catch basins shall be located within the right-of-way and adjacent to the right-of-way if required for design purposes. Pipe sizes, material and inverts for storm and sanitary structures located within the right-of-way or adjacent to the right-of-way shall be acquired. Existing vertical grades shall be acquired for the entire limits of the right-of-way at a minimum of one hundred (100) intervals along the centerline of the right-of-way. Additionally, the

topographic survey shall include the crossing of up to five (5) LWDD canals. The acquired information from the field shall be reflected on construction plans as referenced. Available information on existing potable water and sanitary sewer mains shall be provided by PBCWUD in the form of project Record Drawings. Dry utility facilities locations (e.g., Florida Power & Light Company (FPL), AT&T, Comcast, etc.) will be acquired where paint markings, as established by others, are encountered during the topographic acquisition and shall be included on the construction plans.

2.4.3. Pump Station Site Boundary and Topographic Survey

The CONSULTANT shall prepare a Boundary and Topographic Survey of the Pump Station Site to meet or exceed the State of Florida Minimum Standards of Practice pursuant to Chapter 5j.17 Florida Administrative Code. Services to include the necessary field and office surveying services of the project site depicting the property boundary in accordance with the legal description, deed and easement information provided by PBCWUD. A review of a title policy is not included in this scope of work. The topographic survey shall be prepared based on the completion of the boundary survey and shall include identification and location of pavement edges, driveways and turnouts, sidewalks, trees, signs, power poles, guy wire anchors, light poles, above ground utility boxes, etc.. Existing visible and accessible water valves, fire hydrants, back flow preventers, double detector check valves, sanitary manholes, storm manholes and catch basins shall be located within the right-of-way and adjacent to the right-of-way if required for design purposes. Pipe sizes, material and inverts for storm and sanitary structures located within and adjacent to the property boundary shall be acquired. Existing vertical grades shall be acquired within the boundary of the site and twenty (20) feet beyond the perimeter of the site on an approximate fifty (50)-foot grid. The acquired information from the field shall also be reflected on construction plans as referenced.

2.4.4. Preparation of Sketch and Legal Descriptions as needed

The CONSULTANT shall prepare a sketch and legal description for easements needed for the installation of the reclaimed water main to meet or exceed the State of Florida Minimum Standards of Practice pursuant to Chapter 5j.

#### 2.4.5. Maintenance of Traffic

Coordination will be provided for up to two (2) days of MOT to assist the survey crews in collecting the required drainage structure inverts for structures located within the travel lanes.

#### Task 2 Deliverables:

- Field Observations Technical Memorandum: Letter sized Electronic PDF
- PBC Land Development Permitting Related Documents for SUE and geotechnical activities:
   Letter sized Electronic PDF
- FDOT Permitting Related Documents for SUE and geotechnical activities: Letter sized Electronic PDF
- Geotechnical Engineering Report: Letter sized Electronic PDF
- Survey: 22" x 34" Plan Sized Electronic PDF

#### Task 3. Preliminary Design

The objective of this task is to prepare a preliminary set of design criteria and obtain consensus from PBCWUD before commencing detailed design.

#### 3.1. Outfall Operational Review

Some outfalls are in place for customers within the MWRSA, however no reclaimed water is available, so the outfalls do not operate. With the completion of this project, these outfalls will have a source of reclaimed water. This task consists of a review of six (6) outfall locations to determine

their suitability for operation as well as currently operational outfalls along the corridor. The review includes:

- Site visit to each location, accompanied by PBCWUD staff. CONSULTANT will note the operational observations from PBCWUD staff as the system is exercised.
- For disconnected outfalls: CONSULTANT will determine what new infrastructure is needed to connect and place into service and identify components that may need to be replaced/ upgraded.
- Review permit conditions (if any) for each outfall.
- Review available records to determine the infrastructure in place to each outfall.
- Develop an integrated systems operational/control plan. Attend two (2) meetings with PBCWUD staff to discuss and agree on approach.

The CONSULTANT shall prepare a Technical Memorandum documenting the findings of the Outfall Operational Review. A review meeting will be held between the CONSULTANT and PBCWUD to discuss comments and concerns as needed.

#### 3.2. Pump Station Basis of Design Report and 10% Design

SUBCONSULTANT will prepare a draft Basis of Design Report (BODR) including proposed options considered, conceptual (10%) design. The BODR will include the following sections:

- High-level description of proposed pump station components and systems
- Technical description of the proposed Process-Mechanical discipline improvements
- · Preliminary operational plan
- Preliminary Process-Mechanical plan views and layouts (10% design level)
- Develop a Class V Opinion of Probable Construction Cost prepared by the SUBCONSULTANT to outline the cost for the pump station facilities.
- Develop overall construction schedule in Microsoft Project.

The SUBCONSULTANT will complete technical evaluations for various components of the project to be documented in the draft BODR including:

- Hydraulic Analyses Hydraulic evaluations will be conducted for each of the primary project components to perform sizing confirmation of major piping and development of system head curves for preliminary pumping equipment selection. A surge analysis shall also be performed on the existing reclaimed distribution system to define design pressure requirements and make recommendations for appropriate surge control measures. Pumping in both directions will be considered, if required.
- Electrical Evaluation The electrical service to the site will be evaluated, along with an initial assessment of electrical needs for the new pump station.
- Control Strategy Development A preliminary control strategy will be developed for operation of the new pump stations, identifying required instrumentation and control logic, and recommended integrated system control improvements.
- Building-Mechanical (HVAC, Plumbing, Fire Protection) A review of the applicable codes and industry standards, including but not limited to local codes and ordinances, state codes and National Fire Protection Association (NFPA).
- Architectural Florida Building Code and life-safety analysis.
- Civil Code review, stormwater management, and floodplain requirements
- Project Permitting Plan A permitting plan will be developed by CONSULTANT, which will
  identify the permits and approvals necessary for construction. Specific requirements for each
  shall be included, along with a schedule identifying critical path items, permit fees and
  submittal dates to allow for receipt of approvals prior to initiation of construction.

#### 3.3. 30% Pipeline Design Plan Preparation

The CONSULTANT shall prepare pipeline design drawings for the 30% submittal including the following plan sheets:

- 1. Cover Sheet
- 2. General Notes
- 3. Project Area Key Map
- 4. Project Overview Sheet
- 5. Pipeline Plan Sheets

The 30% pipeline design drawings will include the proposed pipe location and method of installation (open cut, horizontal directional drill (HDD), jack and bore). Design documents will identify trees and disposition of trees impacted by proposed utility layout. Utility conflicts, valves, hydrants, and fittings will not be included in this submittal. Profiles will not be included in this submittal. The CONSULTANT shall participate in one (1) review meeting with PBCWUD staff. The submittal will include a Class IV Opinion of Probable Construction Cost (OPCC) for 30% Design.

#### 3.4. 30% Pump Station Design Plan Preparation

The CONSULTANT will complete a 30% submittal:

- Finalize BODR based on comments received
- Prepare preliminary layouts for the proposed facilities, including a preliminary site plan and plan and section views for the pump station
- Prepare preliminary piping and instrumentation diagrams (P&IDs) for pumping equipment, piping, valves and instruments
- · Perform preliminary design calculations for structural items and pumping equipment
- · Electrical evaluation and single line diagrams
- · Preliminary control and flow management strategies
- Develop 30% drawings in accordance with the drawing list included as Attachment H to this scope of services
- · Develop preliminary list of specifications
- Class IV OPCC for 30% Design.

#### Task 3 Deliverables:

- Basis of Design Report
  - o Plan Letter sized Electronic PDF
- 30% Design Submittal
  - o Revised BODR Letter sized Electronic PDF
  - Plan Sheets: 22" x 34" Plans Electronic PDF
  - o Index of Technical Specifications: Letter sized Electronic PDF
- Preliminary Design Evaluation Technical Memorandum: Letter Electronic PDF
- Preliminary Design Report: Letter sized Electronic PDF

#### Task 4. Detailed Design

The objective of this task is to prepare detailed design drawings, specifications and cost estimates to be used during permitting, bidding, and construction.

#### 4.1. 60% Pump Station Design Submittal

Based on review comments from PBCWUD staff, and additional field data from utility location and geotechnical investigation, the CONSULTANT shall prepare design drawings for the 60% Design Submittal in accordance with the drawing list included as Attachment H to this scope of services.

The 60% submittal will also include draft sections of the Technical Specifications associated with the pump station and a Class III OPCC prepared by the CONSULTANT to outline the cost for all pump station facilities. The CONSULTANT shall participate in one (1) review meeting with PBCWUD staff.

#### 4.2. 90% Pipeline Design Submittal

Based on review comments from PBCWUD staff on the 30% design submittal and any additional data, the CONSULTANT shall prepare design drawings for the 90% Design Submittal including the plan sheets listed in Attachment H.

The 90% submittal will also include documentation associated with the Front-End specifications, Summary of Work, and Measurement and Payment for the Construction Documents, and draft of all sections of the Technical Specifications. These front-end specifications will cover the entire scope of work (pipeline and pump station). The 90% Design Plan submittal will also include a Class II OPCC prepared by the CONSULTANT to outline the cost for all pipeline facilities. The CONSULTANT shall participate in one (1) review meeting with PBCWUD staff.

#### 4.3. 90% Pump Station Design Submittal

Based on review comments from PBCWUD staff the CONSULTANT shall prepare pump station design drawings for the 90% submittal in accordance with the drawing list included as Attachment H to this scope of services. The 90% submittal will include a draft of all sections of the Technical Specifications. The 90% Design Plan submittal will also include a Class II OPCC prepared by the CONSULTANT to outline the cost for all pipeline facilities. The CONSULTANT shall participate in one (1) review meeting with PBCWUD staff.

#### 4.4. 100% Pipeline Design Submittal

It is assumed that there will be minimal review comments from PBCWUD staff and minimal revisions necessary in order for the CONSULTANT to prepare design drawings for the 100% Design Submittal including the plan sheets listed in Attachment H:

The 100% submittal will also include the full set of Construction Documents (including a complete specifications package with Appendices including field service reports) ready for bid, and a Class I OPCC prepared by the CONSULTANT to outline the cost for all pipeline facilities. These front-end specifications will cover the entire scope of work (pipeline and pump station).

#### 4.5. 100% Pump Station Design Submittal

Based on review comments from PBCWUD staff the CONSULTANT shall prepare pump station design drawings for the 100% submittal in accordance with the drawing list included as Attachment H to this scope of services. The 100% submittal will also include all sections of the Technical Specifications. The 100% Design Plan submittal will also include a Class II OPCC prepared by the CONSULTANT to outline the cost for all pipeline facilities. The CONSULTANT shall participate in one (1) review meeting with PBCWUD staff.

#### Task 4 Deliverables:

- 60% Pump Station Design Submittal
  - Plan Sheets: 22" x 34" Plans (Six (6) Hard Copies), 11" x 17" Plans (Six (6) Hard Copies) and Electronic PDF
  - Technical Specifications: Letter sized (Six (6) Hard Copies) and Electronic PDF
  - o OPCC: Letter sized (Six (6) Hard Copies) and Electronic PDF

- 90% Pipeline and Pump Station Design Submittal
  - Plan Sheets: 22" x 34" Plans (Six (6) Hard Copies), 11" x 17" Plans (Six (6) Hard Copies) and Electronic PDF
  - o Technical Specifications: Letter sized (Six (6) Hard Copies) and Electronic PDF
  - o OPCC: Letter sized (Six (6) Hard Copies) and Electronic PDF
- 100% Pipeline and Pump Station Design Submittal
  - Plan Sheets: 22" x 34" Plans (Six (6) Hard Copies), 11" x 17" Plans (Six (6) Hard Copies) and Electronic PDF
  - o Technical Specifications: Letter sized (Six (6) Hard Copies) and Electronic PDF

#### Task 5. Pipeline Permitting Services

#### 5.1. Permitting for Roadway Impacts (PBC Land Development)

The CONSULTANT shall prepare for and attend a pre-application meeting with PBC Land Development associated with roadway impacts to County roads along the pipeline route. Once all regulatory elements have been defined and the 90% plans have been prepared, the necessary permit documentation will be prepared and submitted for review by PBC Land Development. Once the permit has been reviewed and comments from PBC Land Development have been provided, the CONSULTANT shall attend one (1) coordination meeting to discuss the comments and provide verbal responses. Once all parties are in agreement with respect to final permit concerns, the CONSULTANT shall prepare revised permit documentation and re-submit to PBC Land Development.

#### 5.2. Permitting for Roadway Impacts (FDOT)

The CONSULTANT shall prepare for and attend a pre-application meeting with the FDOT associated with roadway impacts to FDOT roads from the construction effort along the pipeline route. Once all regulatory elements have been defined and the 90% plans have been prepared, the necessary permit documentation will be prepared and submitted for review by FDOT. The CONSULTANT shall prepare MOT Plans at a 1" = 20' Scale for Glades Road to include in the application submittal package. Once the permit has been reviewed and comments from FDOT have been provided, the CONSULTANT shall attend one (1) coordination meeting to discuss the comments and provide verbal responses. Once all parties are in agreement with respect to final permit concerns and MOT plans, the CONSULTANT shall prepare revised permit documentation and resubmit to FDOT.

#### 5.3. Permitting with Lake Worth Drainage District

The CONSULTANT shall prepare for and attend a coordination meeting with LWDD staff to discuss access of the right-of-way during construction of the proposed pipeline when crossing the existing canal right-of-way. The meeting will be expected to require a sign-in sheet, agenda, figures, and meeting summary. The CONSULTANT shall prepare an application for access including exhibits as necessary. The CONSULTANT shall prepare for and attend one (1) application review meeting with LWDD staff and will provide a sign-in sheet, agenda, figures, and meeting summary. The application and contract documents will be revised according to LWDD staff comments as needed. Coordination with LWDD staff will occur once the 90% plans are completed and reviewed.

#### 5.4. Pump Station Permitting Services

#### 5.4.1. Palm Beach County Site Plan Approval

The CONSULTANT shall prepare for and attend a pre-application meeting with PBC Zoning Division (PBC Zoning) associated with the design and permitting requirements for the pump station site. The meeting will be expected to require a sign-in sheet, agenda, figures, and meeting summary. Once all elements have been defined and the 60% plans have been prepared, the necessary submittal

documentation will be prepared and submitted for review to PBC Zoning. The CONSULTANT shall prepare for and attend one (1) application review meeting with PBC Zoning and staff of other applicable PBC Departments and will provide a sign-in sheet, agenda, figures, and meeting summary. The CONSULTANT will also attend up to one (1) Public Hearing meeting, as required. Once all parties are in agreement with respect to final permit concern, the CONSULTANT shall prepare revised permit documentation and resubmit to PBC Zoning.

#### 5.4.2. South Florida Water Management District Environmental Resource Permitting (ERP)

The CONSULTANT shall prepare for and attend a pre-application meeting with South Florida Water Management District (SFWMD) associated with design impacts associated with the pump station site. Once all regulatory elements have been defined and the 90% plans have been prepared, the necessary permit documentation will be prepared and submitted for review to SFWMD. Once the permit has been reviewed and comments from SFWMD have been provided, the CONSULTANT shall attend one (1) coordination meeting to discuss the comments and provide verbal responses. Once all parties are in agreement with respect to final permit concern, the CONSULTANT shall prepare revised permit documentation and resubmit to SFWMD.

#### 5.4.3. PBC Land Development Drainage Review

The CONSULTANT shall prepare for and attend a pre-application meeting with PBC Land Development associated with design impacts associated with the pump station site. Once all regulatory elements have been defined and the 90% plans have been prepared, the necessary permit documentation will be prepared and submitted for review by PBC Land Development. Once the permit has been reviewed and comments from PBC Land Development have been provided, the CONSULTANT shall attend one (1) coordination meeting to discuss the comments and provide verbal responses. Once all parties are in agreement with respect to final permit concerns, the CONSULTANT shall prepare revised permit documentation and re-submit to PBC Land Development.

#### 5.4.4. PBC Building Division (PBC Building) Review

The CONSULTANT shall prepare for and attend a pre-application meeting with PBC Building for Florida building Code compliance associated with permitting for the pump station site. Once all regulatory elements have been defined and the 100% plans have been prepared, the necessary documentation will be prepared and submitted for review to PBC Building. Once the submittal has been reviewed and comments from PBC Building have been provided, the CONSULTANT shall attend one (1) coordination meeting to discuss the comments and provide verbal responses. Once all parties are in agreement with respect to final drawing concerns, the CONSULTANT shall prepare revised documentation and re-submit to PBC Building . This shall be considered a courtesy review from PBC Building. The permit will be obtained by the Contractor during construction.

#### Task 5 Deliverables:

 Permit applications, submittals, backup documentation, approvals, meeting agendas and meeting summaries: Letter sized – Electronic PDF

#### Task 6. Bidding Support

Upon completion of the permitting phase, PBCWUD shall conduct the bidding process and the CONSULTANT shall provide bidding support services to PBCWUD that shall include the following:

- Review the advertisement for bid and provide comments, if necessary.
- Attend the Pre-Bid Meeting.
- Review and respond to requests for additional information; provide content for draft addendum(s) to the bid documents if necessary.
- Review and compile bid results and verify references of the three (3) lowest bidder(s), bid and qualifications.

- Perform sensitivity analysis of individual line item prices between the responsive bidders and compare them with other recent pricing.
- Provide a Recommendation of Award Letter to PBCWUD
- · Prepare conformed set of Bid Documents

#### Task 6 Deliverables:

- Draft Addendum documentation: 11" x 17" and 22" x 34" Plans and Letter sized Electronic PDF
- Conformed Documents: 11" x 17" and 22" x 34" Plans and Letter sized Electronic PDF, AutoCAD, Building Information Modeling (BIM), Microsoft Word, Microsoft Excel
- Recommendation of Award Letter: Letter sized Electronic PDF

#### Task 7. Outfall Design and Permitting

The results of Task 3.1 will determine if modifications are required for the existing outfall site, infrastructure or permits. This task includes an allowance for the survey, design and permitting of outfall sites if needed.

#### 7.1. Outfall Topographic Survey

A topographic survey shall be prepared for the areas being considered for the outfalls. The survey shall include identification and location of pavement edges, driveways and turnouts, sidewalks, cart paths, trees, signs, power poles, guy wire anchors, light poles, above ground utility boxes, etc. to also include existing visible and accessible water valves, fire hydrants, back flow preventers, double detector check valves, sanitary manholes, storm manholes, catch basins from the right-of-way line For a corridor width as designated by the design engineers through the top bank to the water's edge to include three (3) cross sections from water's edge approximately one hundred (100) feet into the water body. Pipe sizes, material and inverts for storm and sanitary structures located within the designated corridor or adjacent thereto, whereas subsurface utility pipes may cross the corridor shall be acquired. Existing vertical grades shall be acquired for the designated corridor at a minimum of one hundred (100) intervals from the centerline of the right-of-way line. The acquired information from the field shall be reflected on construction plans as referenced. Available information on existing potable water and sanitary sewer mains shall be provided by PBCWUD in the form of project Record Drawings. Dry utility facilities locations (FPL, AT&T, Comcast, etc.) will be acquired where paint markings, as established by others, are encountered during the topographic acquisition and shall be included on the construction plans.

#### 7.2. Outfall Design Improvements

CONSULTANT shall prepare drawings and specifications for outfall improvements identified during the field visits and agreed upon with PBCWUD at the completion of Task 3.2. The improvements may consist of piping, electrical connections or upgrades, and associated site work. The drawings and specifications will be incorporated into the deliverables as described in Task 4.

#### 7.3. Outfall Improvements Permitting

CONSULTANT shall prepare and submit permit applications to required agencies for the outfall improvements. The anticipated permits are Florida Department of Environmental Protection (FDEP) and PBC Land Development.

#### 7.4. Outfall Improvements Maintenance of Traffic

Coordination will be provided for up to fourteen (14) days of MOT to assist the survey crews in collecting drainage structure inverts for structures located within the travel lanes.

#### 7.5. Outfall Improvements Instrumentation

CONSULTANT shall prepare drawings and specifications for outfall instrumentation systems identified during the field visits and agreed upon with PBCWUD at the completion of Task 3.2. The improvements may consist of piping, electrical connections or upgrades. The drawings and specifications will be incorporated into the deliverables as described in Task 4.

#### **ASSUMPTIONS**

- 1. For the 60%, 90% and 100% Design Submittals, the CONSULTANT will provide three (3) hard copies of the plans on 22" by 34" paper. In addition, the CONSULTANT will provide an electronic copy. All reproduction shall be by CONSULTANT.
- 2. Design drawings shall be prepared on 22" by 34" paper or half size paper (11 x 17").
- 3. All review comments for each deliverable shall be coordinated by the PBCWUD Project Manager and conveyed to the CONSULTANT at one time.
- It is assumed that PBCWUD will provide review comments within 14 calendar days of receiving design submittals.
- 5. Automation/controls of each outfall shall match the functionality of the existing system. PBCWUD shall furnish written functional descriptions, block diagrams and other available documentation of existing system architecture as well as any special requirements associated with the management of data to be incorporated.
- 6. PBCWUD shall furnish all applicable standards/details and preferences pertaining to the design of outfall, instrumentation, monitoring well and related systems.
- 7. All permitting fees will be paid by the CONSULTANT and reimbursed by PBCWUD. Fees beyond what is included in the budget will be paid by PBCWUD
- 8. Postage and preparation of public notifications and mailers is not included.
- 9. Construction phase support services (i.e. engineering services during construction) are not included, but will be authorized, where required, as part of a separate authorization.
- 10. It is assumed the pump station portion of the project will be bid as lump sum with no more than ten (10) bid items.
- 11. Assessment of options is limited to the number of pumps to meet the required duty. It is assumed that alternative evaluations will be qualitative only and will not include estimates developed by the CONSULTANT.
- 12. Water age and water quality modeling is excluded from the CONSULTANT'S scope.
- 13. Hydrogeological analysis of groundwater conditions and design of monitoring wells is not included.
- 14. Design of water quality monitoring features is not included.
- 15. Pump station assumes the following: chemical feed system but no provisions for future expansion of the chemical treatment, horizontal centrifugal pumps, a proposed concrete masonry unit (CMU) building to house the pumps/ electrical equipment, space for the addition of one (1) future pump, no provisions for office/occupied space, restroom, laboratory, breakroom or backup power generator.
- 16. The outfall design assumes all meters/valves/sensors/electrical and telemetry equipment will be installed above ground and will be based on the PBCWUD Standard Details. No provision will be provided for energy dissipation structures that would permit high velocity system flushes, installation of equipment in sealed vaults, or other deviation from standard approved configurations.
- 17. Design of lake aeration systems are not included.
- 18. It is assumed that PBCWUD has or will develop protocols and functional descriptions for the integration of the proposed pump station with the Broward County pump station. Development of such protocols is excluded from the SUBCONSULTANT'S scope of services.
- 19. The targeting of subsurface utilities, although highly reliable, is expressly understood to represent an approximate location of the target facility as marked on the ground surface. The accuracy of this targeting is subject to certain factors beyond the CONSULTANT's control such

- as limitations of available technology and field conditions that may include, but are not limited to: depth of utility, electrical conductivity of utility, site conditions and access.
- 20. CONSULTANT assumes the site is accessible to truck mounted drilling equipment for performance of the geotechnical investigations.
- 21. The CONSULTANT shall satisfy all requirements from the latest edition of PBCWUD's Minimum Design and Construction Standards for Potable Water, Reclaimed Water and Wastewater Systems document.
- 22. It is assumed that past permits and permit information for the six (6) outfalls shall be furnished to the SUBCONSULTANT by PBCWUD or are available from the regulatory agencies.
- 23. It is assumed that the pump station improvements will not require platting or re-zoning.
- 24. It is assumed that the pump station improvements will not require a new site plan submittal, but will require a site plan amendment.
- 25. It is assumed that the 100% design deliverable will be submitted to PBC Building for review and approval. As necessary, comments from PBC Building will be incorporated into the Issued for Bid deliverable.
- 26. It is assumed that PBCWUD will prepare the project front end bid documents.
- 27. The CONSULTANT shall provide all electronic files for all deliverables in native file format (for example: .docx, .xlsx, .pptx, .dwg, etc.) and in PDF file format.
- 28. Environmental assessments, FEMA, Endangered Species studies, Section 106 and Cultural Resources Studies, and NEPA process documentation are not included. It is not anticipated that any environmental or archaeological mitigation will not be required and thus it is not included.
- 29. Design of special foundations and pile systems, pipe supports, support of excavation systems is not included.
- 30. Thermal analysis or modeling of piping systems is not included.
- 31. Development of isometric piping drawings for pipe spool fabrication is not included.
- 32. Design of temporary construction features such as paving, grading, drainage, structures, temporary excavation support, sheeting, shoring, cofferdams, and field offices are not included.
- 33. Easement acquisitions are not included.
- 34. Irrigation plans will be provided for the pump station landscape design.
- 35. Landscape and irrigation plans will not be provided for the pipeline plans. It is assumed that minor tree removals or relocations will be addressed within the pipeline drawings.
- 36. Floodplain studies are not included.
- 37. Preparation of a cost-loaded design schedule is not included.
- 38. Dewatering system design and permitting is not included.

#### **ATTACHMENT B**

### SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

| Auth. No. | PBCWUD Project No. | Title  | Status<br>Pending | Project<br>Total Amount | SBE Total<br>Amount | SBE<br>Participation % | Арр<br>Ву                               | roved<br>Date |
|-----------|--------------------|--|-------------------|-------------------------|---------------------|------------------------|---|---------------|
| 1         | 22-053             | 22-053 South County Reclaimed Water<br>Transmission Pipeline – Phase 2 |                   | \$2,668,156.41          | \$1,083,430.96      | 40.60%                 | BCC                                     | PENDING       |
|           |                    |  |                   |                         |                     |                        |   |               |
|           |                    |  |                   |                         |                     |                        |   |               |
|           |                    |  |                   |                         |                     |                        | *************************************** |               |
|           |                    |  |                   |                         |                     |                        |   |               |
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|           |                    |  |                   |                         |                     |                        |   |               |
|           |                    |  |                   |                         |                     |                        |   |               |
|           |                    |  |                   |                         |                     |                        |   |               |
|           | Arteria verse      |  |                   |                         |                     |                        |   |               |

#### **ATTACHMENT C**

#### **OEBO SCHEDULE 1**

Office of Equal Business Opportunity Compliance Programs

#### **OEBO SCHEDULE 1**

| South County Reclaimed Water Transmission Pipeline Phase 2   |              |                     |  |                   | _ SOLICITATION/PROJECT/BID NO.: 23-053 |                                     |                   |                                  |              |            |  |
|--|--------------|---------------------|--|-------------------|--|-------------------------------------|-------------------|----------------------------------|--------------|------------|--|
| SOLICITATION OPENING/SUBMITTAL DATE:   |              |                     |  |                   | COUNTY DEPARTMENT:                     |                                     |                   |                                  |              |            |  |
| Section A PLEASE LIST THE DOLLAR AMOUNTAIN CHEM Moore  |              |                     | OF WORK                                | TO BE CON         |  |                                     |                   | NSULTANT* ON<br>South, Suite 850 |              |            |  |
| CONTACT PERSON: Suzanne Dombrowski, P.E., ENV SP   |              |                     |  | PHONE             | No.: 561-7                             |                                     | E-MAI             | L: sdombrows                     | ski@chen     | moore.com  |  |
| \$674,960.58  PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK:  *SMWBE Prime's must include their percentage or dollar amount in the Total Participation line under section B. |              |                     |  |                   |  |                                     |                   |                                  |              |            |  |
| Section B PLEASE LIST THE DOLLAR AMOU  | JNT OR PER   | CENTAGE             | OF WORK                                | TO BE COM         | IPLETED BY <u>Au</u>                   | L <u>SUBCONTRA</u>                  | CTORS/SUBC        | ONSULTANTS O                     | N THE PRO.   | ECT BELOW: |  |
| Subcontractor/Sub consultant Name  | (Check a     | all Applicab<br>MBE | le Categorio<br>WBE                    | es)<br>SBE        |  | DOLLAR AMOUNT OR PERCENTAGE OF WORK |                   |                                  |              |            |  |
|  | Non-SBE      |                     | Women<br>Business                      | Small<br>Business | Black                                  | Hispanic                            | Women             | Caucasian                        | Asian        | Other      |  |
| <sub>1.</sub> Barnes, Ferland and Associates, Inc.   | Tundana, or  | <b>✓</b>            | 18 S                                   | 1                 | \$15,284.40                            |                                     |                   |                                  |              |            |  |
| Brown and Caldwell (Corporation)   | 7            | 01300000            | ************************************** |                   |  |                                     |                   | \$667,511.22                     |              |            |  |
| C&W Engineering, Inc.  | 4.1          | Variable)           | , management                           | <b>V</b>          |  |                                     |                   | \$106,347.94                     |              |            |  |
| Engineered Design Services LLC   |              | 1                   |  | <b>/</b>          | \$243,788.16                           |                                     |                   |                                  |              |            |  |
| HBC Engineering Company  |              | washived<br>Salaha  | 44.4                                   | <b>/</b>          | \$74,999.31                            |                                     |                   |                                  | ***          |            |  |
| (Please use additional sheets if necessary) otal Bid/Offer Price \$ See sheet 3  |              |                     |  | Total             | Tata                                   | d Compissions C/RA/A                | /DC Doubleing 61  | See sheet                        | 3            |            |  |
| hereby certify that the above information is accurate to the best  | of my knowle | <sub>dge:</sub> Suz | anne D                                 | ombrow            | /ski, P.E.                             | Certified 3/M/W                     | roc Participation | . Pri                            | ncipal Engir | ieer       |  |
|  |              |                     |  |                   | orized 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.

#### **OEBO SCHEDULE 1**

| SOLICITATION/PROJECT/BID NAME: South County Reclaimed Water Transmission Pipeline Phase 2  |               |  |  |                                 | SOLICITATION/PROJECT/BID NO.: 23-053          |                       |                   |                                 |                 |              |
|--|---------------|--|--|---------------------------------|---|-----------------------|-------------------|---------------------------------|-----------------|--------------|
| SOLICITATION OPENING/SUBMITTAL DATE:   |               |  |  |                                 | Water Utilities Department county department: |                       |                   |                                 |                 |              |
| Section A PLEASE LIST THE DOLLAR AMOUNT NAME OF PRIME RESPONDENT/BIDDER:   |               |  | OF WORK  |                                 | ADD   | 500 Au<br>RESS: 33401 | ·····             | NSULTANT* Of<br>South, Suite 85 |                 |              |
| contact person: Suzanne Dombrowski, P.E  | ., ENV        | SP   |  | _ PHONE                         | no.:561-7                                     | 46-6900               | E-MAII            | <sub>L:</sub> sdombrow          | ski@chenn       | noore.com    |
| \$674,960.58  PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK:  *SMWBE Prime's must include their percentage or dollar amount in the Total Participation line under section B.  *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 a      | MBE  | ile Categorie<br><u>WBE</u><br>Women<br>Business | es)<br>SBE<br>Small<br>Business | Black   | DOLLAR AN             | MOUNT OR I        | PERCENTAGI<br>Caucasian         | E OF WORK       | Other        |
| 1. Hillers Electrical Engineering, Inc.  | - वनस्य स्थाप | 1  | 5000 (UMA)<br>5000 (UMA)<br>5000 (UMA)           | V                               |   |                       |                   |                                 | \$100,158.15    |              |
| 2. Inframap Corp.  | ~             | 2 CONTROL OF THE PARTY OF THE P | 7200001110<br>2010001110                         | - Consession                    |   | -                     |                   |                                 |                 | \$113,578.17 |
| Keshavarz & Associates, Inc. (Surveying)   |               | ancine me  | a a second                                       | Alternati                       | ***************************************       |                       |                   |                                 | \$270,490.00    |              |
| Keshavarz & Associates, Inc. 4. (Engineering)  | a portugalija | <b>√</b> 8000000000000000000000000000000000000   | ewoners.   |                                 |   |                       |                   |                                 | \$183,420.00    |              |
| Pacifica Engineering Services, LLC   |               | <b>/</b>   |  | <b>1</b>                        | \$88,943.00                                   |                       |                   | <u> </u>                        |                 |              |
| (Please use additional sheets if necessary)  |               |  |  | Total                           |   |                       |                   |                                 |                 |              |
| Total Bid/Offer Price \$ See sheet 3   |               | _  | _  |                                 | Tota  | I Certified S/M/\     | VBE Participation | s See shee                      | t 3             |              |
| I hereby certify that the above information is accurate to the best of   | f my knowle   | edge: Suz  |  |                                 | /ski, P.E.                                    | <u> </u>              | <u>-()</u>        | . P                             | rincipal Engine | er           |
|  |               |  |  | Name & Autho                    | orized Signature                              |                       |                   |                                 | 1               | ïtle         |

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.

#### **OEBO SCHEDULE 1**

| South County Reclaimed Water Transmission Pipeline  SOLICITATION/PROJECT/BID NAME: Phase 2   |                |  |                     | solicitation/project/bid no.: 23-053                        |                            |                    |                   |                                 |                |              |  |
|--|----------------|--|---------------------|---|----------------------------|--------------------|-------------------|---------------------------------|----------------|--------------|--|
| SOLICITATION OPENING/SUBMITTAL DATE:   |                |  |                     |   | Water Utilities Department |                    |                   |                                 |                |              |  |
| Section A PLEASE LIST THE DOLLAR AMOUNTAIN AME OF PRIME RESPONDENT/BIDDER:   | UNT OR PER     |  | OF WORK             | то ве сом   |                            |                    |                   | NSULTANT* ON<br>South, Suite 85 |                |              |  |
| CONTACT PERSON: Suzanne Dombrowski, P  | .E., ENV 9     | SP   |                     | PHONE   | <br>No.:561-7              |                    | E-MAI             | _ sdombrows                     | ski@chenn      | noore.com    |  |
| CONTACT PERSON: Suzanne Dombrowski, P.E., ENV SP  PHONE NO.:  \$674,960.58  PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK:  *SMW8E Prime's must include their percentage or dollar amount in the Total Participation line under section B.  *SMW8E Prime's must include their percentage or dollar amount in the Total Participation line under section B. |                |  |                     |   |                            |                    |                   |                                 |                |              |  |
| Section B PLEASE LIST THE DOLLAR AMOU  |                |  |                     |   | PLETED BY ALL              | . <u>SUBCONTRA</u> | CTORS/SUBC        | ONSULTANTS O                    | N THE PROJE    | CT BELOW:    |  |
| Subcontractor/Sub consultant Name  | (Check a       | II Applicab<br>MBE   | le Categorio<br>WBE | es)<br>SBE  | !                          | DOLLAR AN          | IOUNT OR          | PERCENTAGE                      | OF WORK        |              |  |
| ,  | Non-SBE        | Minority<br>Business   | Women<br>Business   | Small<br>Business   | Black                      | Hispanic           | Women             | Caucasian                       | Asian          | Other        |  |
| <sub>1.</sub> PGAL, Inc.   | <b>V</b>       | and the second s |                     | Marie San               |                            |                    |                   | \$85,356.07                     |                |              |  |
| ACME Barricades, L.C.  | ✓ Å            | d the control of the  |                     |   |                            |                    |                   | \$7,200.00                      |                |              |  |
| Area Wide Protective, Inc.   | 7              | W-1995 T-1995 T-1995   | 201709000EFF        |   |                            |                    |                   | \$43,319.41                     |                |              |  |
| 4.   | o              | - m 600 mg/s   | of the second       | 1222<br>1222<br>1222<br>1222<br>1222<br>1222<br>1222<br>122 |                            |                    |                   |                                 |                |              |  |
| 5.   | Received       | CONTROLS.  | .vojetnos           | 94 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4                      |                            |                    |                   |                                 |                |              |  |
| (Please use additional sheets if necessary)  | •              |  |                     | Total   | \$423,014.87               |                    | •                 | \$1,584,845.22                  | \$557,587.80   | \$106,378.17 |  |
| Total Bid/Offer Price \$_2,66,156.41   | _              |  |                     |   | Tota                       | I Certified S/M/V  | VBE Participation | 1,083,430.96                    |                |              |  |
| I hereby certify that the above information is accurate to the bes   | t of my knowle | <sub>dge:</sub> Suz  | anne D              | ombrow  |                            | 7                  | $\bigcirc$        |                                 | incipal Engine | er           |  |
|  |                |  |                     |   | prized Signature           |                    |                   |                                 | 1              | 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 12/20/2022

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 doc<br>Subcontractors/subconsultants, must properly execute this do<br>the bid/proposal.   | cument. All                            | Subcontract                         | ors/subconsultants.                          | including any tiered<br>including any tiered<br>nust be submitted with |
|--|--|-------------------------------------|--|--|
| solicitation/project number: 23-053  |  |                                     |  |  |
| SOLICITATION/PROJECT NAME: South County Reclaimed W  | /ater Transmi                          | ssion Pipelin                       | e Phase 2                                    |  |
| Prime Contractor: Chen Moore And Associates, Ir  | 1C. Subc                               | ontractor:                          | Barnes, Ferland a                            | and Associates, Inc.   |
| (Check box(s) that apply)  ☑SBE ☐ WBE ☑MBE ☐ M/WBE ☐ Non-S/M/WBE   | Date of Palm B                         | each County (                       | Certification (if appli                      | 8/7/23 to 8/6/26<br>cable):  |
| The undersigned affirms they are the following (select one from Column 1 Column 2  | m each columi                          | ા if applicable                     | ):   | Column 3   |
| ☑Male ☐ Female ☑ African-American/Black ☐ Hispanic American ☐  | □Asian Ameri<br>□Native Amer           |                                     | asian American                               | □Supplier  |
| <u>S/M/WBE PARTICIPATION</u> – <u>S/M/WBE Primes must document all wo</u> properly executed Schedule 2 for any <u>S/M/WBE</u> participation may rest to be performed or items supplied with the dollar amount and/or per which the S/M/WBE is certified. A detailed proposal may be attached | sult in that parti<br>centage for eacl | cipation not bei<br>h work item. S/ | ng counted. Specify in M/WBE credit will onl | n detail, the scope of work  |
| Line Item Description  | Unit Price                             | Quantity/<br>Units                  | Contingencies/<br>Allowances                 | Total Price/Percentag  |
| 1 Subsurface Utility Engineering (SUE) Services  | \$15,284.40                            | 1                                   | None   | \$15,284.40  |
|  |  |                                     |  |  |
|  |  |                                     |  |  |
|  |  |                                     |  |  |
|  |  |                                     |  |  |
| The undersigned Subcontractor/subconsultant is prepared to self-perf<br>at the following total price or percentage: \$15,284.40  | form the above-                        | described work                      | in conjunction with th                       | e aforementioned project   |
|  |  |                                     |  |  |
| If the undersigned intends to subcontract any portion of this work to amount below accompanied by a separate properly executed Schedu  |  | ntractor/subco                      | nsultant, please list t                      | he business name and th  |
|  |  |                                     |  |  |
| Name of 2 <sup>nd</sup> /3 <sup>rd</sup> tier Subcontractor/subconsultant  | Price o                                | or Percentage: _                    | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,       |  |
|  |  |                                     |  |  |
| Chen Moore and Associates, Inc.  | Barr                                   | nes. Ferland                        | and Associates,                              | Inc  |
| Print Name of Prime  | *****                                  |                                     | tractor/subconsy/tan                         | WW.  |
| ву:  | Ву: _                                  | Will                                | is E. Mon                                    | 4-   |
| Authorized Signature Suzanne Dombrowski, P.E., ENV SP  | Willia                                 | A.E. Thomas, P.                     | ıthorized Signature                          |  |
| Print Name   | Print                                  |                                     | <b>L.</b>                                    |  |
| Principal Engineer   | Pre                                    | sident                              |  |  |
| Title  | Title                                  |                                     | ***************************************      |  |
| Date:11/21/2023  | Date:                                  | 11/21/23                            |  |  |
|  |  |                                     | Rev  | rised 09/17/2019   |

| both pa  | eted Schedule 2 is a binding document between the Pand should be treated as such. The Schedule 2 shall arties recognize this Schedule as a binding docuractors/subconsultants, must properly execute this docurrence. | <u>l contain bol</u><br>ument. All | ded language Subcontracto | ndicating that by s                   | igning the Schedule 2,  |  |  |  |  |
|--|---|------------------------------------|---------------------------|---------------------------------------|-------------------------|--|--|--|--|
| SOLICITA   | TION/PROJECT NUMBER: 23-053   |                                    |                           |                                       |                         |  |  |  |  |
| SOLICITA   | TION/PROJECT NAME: South County Reclaimed   | Water Tra                          | ınsmission I              | Pipeline Phase                        | 2                       |  |  |  |  |
| Prime Co   | ntractor: Chen Moore and Associates,  | Inc. Subc                          | ontractor                 | wn and Caldw                          | ell (Corporation)       |  |  |  |  |
|  | <u>ox(s) that apply)</u><br>□wbe □mbe □m/wbe □non-S/m/wbe D   | ate of Palm B                      | each County C             | ertification (if applic               | able): N/A              |  |  |  |  |
| The unde   | ersigned affirms they are the following (select one from  |                                    |                           |                                       | Column 3                |  |  |  |  |
| ⊠Male [  | —   | lAsian Ameri<br>lNative Amer       |                           | sian American                         | □Supplier               |  |  |  |  |
| <u>S/M/WBE PARTICIPATION</u> ~ <u>S/M/WBE Primes must document all work to be performed by their own work force on this form</u> . Failure to submit a properly executed Schedule 2 for any <u>S/M/WBE</u> 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<br>Item   | Item Description  | Unit Price                         | Quantity/<br>Units        | Contingencies/<br>Allowances          | Total Price/Percentage  |  |  |  |  |
| 8.02, 8.04   | Mechanical Systems. Engineering-Wastewaler Mechanical Engineering-Water Collection Distribution   | \$667,511.22                       | 1                         | None                                  | \$667,511.22            |  |  |  |  |
|  | ***   |                                    |                           |                                       |                         |  |  |  |  |
|  |   |                                    |                           |                                       |                         |  |  |  |  |
|  |   |                                    |                           |                                       |                         |  |  |  |  |
|  |   |                                    |                           |                                       |                         |  |  |  |  |
|  | signed Subcontractor/subconsultant is prepared to self-perforwing total price or percentage: \$667,511.22   | rm the above-                      | described work i          | n conjunction with the                | aforementioned project  |  |  |  |  |
| If the unde  | ersigned intends to subcontract any portion of this work to a   | another Subco                      | ntractor/subcor           | sultant, please list th               | e business name and the |  |  |  |  |
| amount be  | elow accompanied by a separate properly executed Schedul  | e 2.                               |                           | ,                                     |                         |  |  |  |  |
|  |   |                                    |                           |                                       |                         |  |  |  |  |
| Na   | me of 2 <sup>nd</sup> /3 <sup>rd</sup> tier Subcontractor/subconsultant   | Price o                            | r Percentage:             | · · · · · · · · · · · · · · · · · · · |                         |  |  |  |  |
|  |   | 5                                  |                           | 1                                     |                         |  |  |  |  |
| _  | Chen Moore and Associates, Inc.   |                                    |                           | dwell (Corpora                        | ition)                  |  |  |  |  |
|  | risk Name of France   |                                    | ame of Subcont            | ractor/subconsultant                  |                         |  |  |  |  |
| {  | Authorized Signature  | Ву:                                | 1/Allh                    | thorized Signature                    | <b>写</b>                |  |  |  |  |
| -  | Suzanne Dombrowski, P.E., ENV SP  |                                    | Matth                     | ew Schr                               | 112                     |  |  |  |  |
|  | Print Name  | Print I                            | lame                      |                                       |                         |  |  |  |  |
| _  | Principal Engineer  |                                    | lice Pr                   | esident                               |                         |  |  |  |  |
|  | 1/9/2024  | IIIIe                              | la l                      |                                       |                         |  |  |  |  |
| E  | Suzanne Dombrowski, P.E., ENV SP Print Name  Principal Engineer  Title  Date: 1/9/2024  Date: 1/9/24  Matthew Schulte Print Name  Print Name  Date: 1/9/24  |                                    |                           |                                       |                         |  |  |  |  |

## OF BROWN AND CALDWELL, A CALIFORNIA CORPORATION

I, the undersigned, do hereby certify that:

- I am the duly elected and acting Secretary of Brown and Caldwell, a California corporation, and am keeper of the corporate records and seal of said corporation.
- 2. Under policies and procedures duly authorized by the Board of Directors of Brown and Caldwell, Matthew Schultz is authorized to sign contracts on behalf of the company.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Corporation this  $10^{th}$  day of March 2021.

SIGNED:

ROBERT D. GOODSON, Secretary

RhAD Think

NOV. 7. 1958

(SEAL)

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: 23-053 SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2 Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: C& W Engineering, Inc. (Check box(s) that apply) Date of Palm Beach County Certification (if applicable):  $\frac{01/09}{2023}$ ☑SBE □WBE □MBE ☐M/WBE ☐Non-S/M/WBE 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 Description **Unit Price** Quantity/ Contingencies/ Total Price/Percentage ltem Units **Allowances** 9.03 Electrical Engineering-Industrial Facilities \$106,347.94 1 None \$106,347.94 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:  $\frac{$106,347.94}{}$ 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 C & W Engineering, Inc. Chen Moore and Associates, Inc. Print Name of Prime Print Name of Subcontractor/subconsultant phelled Authorized Signature Authorized Signature Suzanne Dombrowski, P.E., ENV SP Michael Guida, P.E. Print Name **Print Name** Principal Engineer President Title Date: 11/22/2023 Date: 11-22-2023

| any tier) both pa Subcontr the bid/p  | •  | contain bold<br>Iment. All           | ied language<br>Subcontracto              | indicating that by sors/subconsultants,       | igning the Schedule 2,<br>including any tiered   |  |  |  |  |  |
|---|--|--------------------------------------|---|---|--|--|--|--|--|--|
| SOLICITA  | TION/PROJECT NUMBER:   |                                      |   | -9,000  |  |  |  |  |  |  |
| SOLICITA  | TION/PROJECT NAME: South County Reclaimed  | Water Tra                            | nsmission                                 | Pipeline Phase 2                              | 2  |  |  |  |  |  |
| (Check b  | ntractor: Chen Moore and Associates, ox(s) that apply)   |                                      |   |   |  |  |  |  |  |  |
| ☑SBE L  | □WBE □MBE □M/WBE □Non-S/M/WBE D  | ate of Palm B                        | each County C                             | ertification (if applic                       | able): <u>10/1/21 to 9/30/2</u> 4  |  |  |  |  |  |
| The unde  | ersigned affirms they are the following (select one from<br><u>Column 2</u>  | each column                          | if applicable                             | <b>):</b>                                     | Column 3   |  |  |  |  |  |
| ☑Male [   | ☑ Male ☐ Female ☑ African-American/Black ☐ Asian American ☐ Caucasian American ☐ Supplier ☐ Hispanic American ☐ Native American  |                                      |   |   |  |  |  |  |  |  |
| properly e<br>to be perfe   | PARTICIPATION – S/M/WBE Primes must document all wor<br>executed Schedule 2 for any <u>S/M/WBE</u> participation may resu<br>formed or items supplied with the dollar amount and/or perce<br>S/M/WBE is certified. A detailed proposal may be attached t | It in that partic<br>entage for each | ipation not bei<br>work item. S/          | ng counted. Specify in M/WBE credit will only | detail, the scope of work  |  |  |  |  |  |
| Line<br>Item  | Item Description   | Unit Price                           | Quantity/                                 | Contingencies/                                | Total Price/Percentage   |  |  |  |  |  |
| 9.03, 10.03   | Electrical, Structural Engineering-Industrial, Engineering-Industrial Facilities   | \$243,788.16                         | Units<br>1                                | Allowances<br>None                            | \$243,788.16   |  |  |  |  |  |
|   |  | Q2.10,100.10                         | *********                                 | Notice  | φ2.40,700.10   |  |  |  |  |  |
|   |  |                                      |   |   |  |  |  |  |  |  |
|   |  |                                      |   |   |  |  |  |  |  |  |
|   |  |                                      | ·······                                   |   |  |  |  |  |  |  |
|   |  |                                      |   |   |  |  |  |  |  |  |
|   | signed Subcontractor/subconsultant is prepared to self-perfo pwing total price or percentage: \$243,788.16   | rm the above-o                       | described work                            | in conjunction with the                       | e aforementioned project   |  |  |  |  |  |
|   | ersigned intends to subcontract any portion of this work to a<br>elow accompanied by a separate properly executed Schedul  | e 2.                                 |   |   | e business name and the  |  |  |  |  |  |
| Price or Percentage:  Name of 2 <sup>nd</sup> /3 <sup>rd</sup> tier Subcontractor/subconsultant |  |                                      |   |   |  |  |  |  |  |  |
|   | Chen Moore and Associates, Inc.  | Eng                                  | gineered                                  | Design Servi                                  | ces LLC  |  |  |  |  |  |
|   | Print Name of Prime  | Print N                              | Print Name of Subcontractor/subconsultant |   |  |  |  |  |  |  |
|   | Ву:  | By:                                  | By:                                       |   |  |  |  |  |  |  |
|   | Authorized Signature   | · <u> </u>                           | Authorized Signature                      |   |  |  |  |  |  |  |
| Suzanne Dombrowski, P.E., ENV SP  |  |                                      | Craig McKenzie, P.E.                      |   |  |  |  |  |  |  |
| Print Name  |  |                                      | Print Name                                |   |  |  |  |  |  |  |
|   | Principal Engineer   |                                      | nager                                     | · · · · · · · · · · · · · · · · · · ·         | and the same and t |  |  |  |  |  |
| •   | Title  | Title                                | 44/05/05                                  | 00  |  |  |  |  |  |  |
|   | Date:11/27/2023  | 11/27/20                             | 23  |   |  |  |  |  |  |  |
|   |  |                                      |   |   |  |  |  |  |  |  |

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: 23-053 SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2 Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: HBC Engineering Company (Check box(s) that apply) ☑SBE □WBE ☑MBE □M/WBE □Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 5/24/22 to 5/23/25 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 Description **Unit Price** Quantity/ Contingencies/ **Total Price/Percentage** Item Units Allowances 1 Civil Engineering Services \$74,999.31 None \$74,999.31 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: \$74,999.31 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. Price or Percentage: Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant Chen Moore and Associates, Inc. **HBC Engineering Company** Print Name of Prime Print Name of Subcontractor/subconsultant Authorized Signature Authorized Signature Suzanne Dombrowski, P.E., ENV SP <u>Adebayo Coker</u> Print Name Print Name Principal Engineer President Title Date: \_ 11/22/2023 11/22/2023 Date:

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for

| Subcontr<br>the bid/p   | ation/project number:   | dule as a binding doc<br>properly execute this do<br>23-053              | <u>ument</u> . All<br>ocument. Each    | Subcontractor<br>properly exec       | rs/subconsultants,<br>cuted Schedule 2 m         | including any tiered<br>oust be submitted with |  |  |
|---|---|--|--|--------------------------------------|--|--|--|--|
| SOLICITA  | TION/PROJECT NAME: Sou  | th County Reclaimed  | d Water Tra                            | nsmission F                          | Pipeline Phase 2                                 | 2  |  |  |
|   | ontractor: Chen Moore ox(s) that apply)  WBE  MBE  M/WB   |  |  |                                      |  | Engineering, Inc.                              |  |  |
|   | ersigned affirms they are the  1 Co   | following (select one from<br><u>plumn 2</u><br>African-American/Black D | m each column                          | <b>if applicable</b> )<br>an □ Cauca | :  | Column 3                                       |  |  |
| properly of<br>to be perf   | E PARTICIPATION — S/M/WBE P<br>executed Schedule 2 for any <u>S/N</u><br>formed or items supplied with the<br>S/M/WBE is certified. A detaile | I/WBE participation may res<br>ne dollar amount and/or pen               | ult in that partic<br>centage for each | ipation not bein<br>work item. S/N   | ng counted. Specify in<br>M/WBE credit will only | detail, the scope of work                      |  |  |
| Line<br>Item  | Item Des  | cription   | Unit Price                             | Quantity/<br>Units                   | Contingencies/<br>Allowances                     | Total Price/Percentage                         |  |  |
| 9.03 Electrical Engineering-Industrial Facilities \$100,158.15 1 None \$100,158.15  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:  \$100,158.15  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.  Price or Percentage:  Name of 2 <sup>nd</sup> /3 <sup>rd</sup> tier Subcontractor/subconsultant |   |  |  |                                      |  |  |  |  |
|   |   |  |  |                                      |  |  |  |  |
|   | Print Name of Prime  By:  Authorized  Suzanne Dombrowski, P.  | Signature  |  | lame of Subcon                       | tractor subconsultant<br>uphorized Signature     |  |  |  |

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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. 23-053 SOLICITATION/PROJECT NUMBER: SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2 Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: InfraMap Corp (Check box(s) that apply) Date of Palm Beach County Certification (if applicable): N/A□SBE □WBE □MBE □M/WBE ☑Non-S/M/WBE 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 Description Unit Price** Quantity/ Contingencies/ Total Price/Percentage Item Units **Allowances** Subsurface Utility Engineering (SUE) Services 1 \$113,578.17 None \$113,578.17 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: \$106,378.17 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. Price or Percentage: \$7,200.00 ACME BARRICADES, L.C. Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant Chen Moore and Associates, Inc. InfraMap Corp. Print Name of Prime Print Name of Subcontractor/subconsultant Authorized Signature Authorized Signature Suzanne Dombrowski, P.E., ENV SP Darlene Siegel Print Name Print Name Principal Engineer **CFO** Date: 11/22/2023 11/22/2023

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for

|  |  | ed as such. The Schedule 2 shall of Schedule as a binding document   |   |  |   |  |
|--|--|--|---|--|---|--|
|  | actors/subconsultant   | s, must properly execute this docu   |   |  |   |  |
| SOLICITAT                              | TION/PROJECT NUME  | BER: 23-053  |   |  |   |  |
| SOLICITAT                              | TION/PROJECT NAME  | ER: 23-053  South County Reclaimed   | Water Tra   | nsmission F  | Pipeline Phase  | 2  |
| Prime Co                               | ntractor: InfraMar   | Corp.  | Subco   | ntractor: AC   | ME BARRICA  | DES, L.C.  |
|  | ox(s) that apply)  JWBE DMBE D   | O Corp.  | ate of Palm Be  | each County Co                                       | ertification (if applic                                   | cable): N/A  |
| The unde                               |  | are the following (select one from<br>Column 2   | each column   | if applicable)                                       | :   | Column 3   |
| ☑Male [                                | ] Female   | ☐ African-American/Black ☐ ☐ Hispanic American ☐   | Asian Americ<br>Native Ameri                          |  | sian American   | ☐ Supplier   |
| properly e<br>to be perfo<br>which the | executed Schedule 2 for<br>cormed or items supplied<br>S/M/WBE is certified. | /WBE Primes must document all work any S/M/WBE participation may resul d with the dollar amount and/or perce A detailed proposal may be attached t | t in that partic<br>ntage for each<br>o a properly e: | ipation not beir<br>work item. S/I<br>kecuted Schedu | ng counted. Specify ir<br>M/WBE credit will onli<br>le 2. | detail, the scope of work<br>y be given for the areas in |
| Line<br>Item                           | i i  | tem Description  | Unit Price  | Quantity/<br>Units                                   | Contingencies/<br>Allowances                              | Total Price/Percentage                                   |
| 1                                      | Ma   | nintenance of Traffic  | \$7,200.00  | 1  | None  | \$7,200.00   |
|  |  |  |   |  |   |  |
| -                                      |  |  |   |  |   |  |
|  |  |  |   |  |   |  |
|  |  |  |   |  |   |  |
|  | rsigned Subcontractor/s  | subconsultant is prepared to self-perfo<br>centage: \$7,200.00   | rm the above  | described work                                       | in conjunction with th                                    | e aforementioned project                                 |
| amount b                               | elow accompanied by a  | ocontract any portion of this work to a separate properly executed Schedul  A contractor/subconsultant   | e 2.  | ntractor/subco                                       | . 1 0   | the business name and the                                |
|  | InfraMap Corp  |  | ACI   | ME BARR  | ICADES, L.C.  |  |
|  | Print Name of Prime  | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \  | Print I   | Vame of Subcor                                       | ntractor/subconsultar                                     | it   |
|  | By: Make   | SUGS<br>thorized Signature   | Ву:   |  | utrorized Signature                                       | <u></u>  |
|  | Darlene Siegel   |  | Chris   | tian Cummings  | . •   |  |
|  | Print Name   |  |   | Name   | •   |  |
|  | CFO<br>Title   |  | /<br>Title  | <u>nian</u>  | ager _  | ·  |
|  |  | 12024  | Date:   | 2-1  | ager <u> </u>   |  |

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Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal. SOLICITATION/PROJECT NUMBER: 23-053 SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2 Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: Keshavarz & Associates, Inc. (Check box(s) that apply) Date of Palm Beach County Certification (if applicable): 10/4/22 to 10/3/25 ☑SBE □WBE ☑MBE □M/WBE □Non-S/M/WBE 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 5/M/WBE PARTICIPATION - 5/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. Item Description Unit Price Quantity/ Contingencies/ Total Price/Percentage Line Units Allowances Item \$ 183,420.00 8.02, 8.04 \$183,420,00 Mechanical Engineering - Wastewater Collection Systems, None Mechanical Engineering - Water Distribution Systems, Construction Management Services 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: \$183,420.00 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. Price or Percentage: N/A N/A Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant Chen Moore and Associates, Inc. Keshavarz & Associates, Inc. Print Name of Prime Print Name of Subcontractor/subconsultant Authorized Signature Authorized Signature Suzanne Dombrowski, P.E., ENV SP Amir J. Keshavarz, P.E. Print Name Print Name Principal Engineer Managing Director Title 2/5/2024 2/5/2024 Date:

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2/5/2024

Date:

Revised 09/17/2019

2/5/2024

| any tier) both pa Subcontr the bid/p  |  | <u>contain bold</u><br><u>ment</u> . All               | led language<br>Subcontracto                       | indicating that by si<br>ors/subconsultants,               | gning the Schedule 2, including any tiered             |
|---------------------------------------|--|--|--|--|--|
| SOLICITA                              | TION/PROJECT NUMBER: 23-053  |  |  |  |  |
| SOLICITA                              | TION/PROJECT NAME: South County Reclaimed  | Water Tra  | nsmission  | Pipeline Phase 2   | 2  |
| Prime Co                              | ntractor: Chen Moore and Associates,   | Inc. Subco   | ontractor: Pa                                      | cifica Engineerir  | ng Services, LLC                                       |
|                                       | ox(s) that apply)  WBE   | ate of Palm B  | each County (                                      | Certification (if applic                                   | able):   |
| The unde                              | ersigned affirms they are the following (select one from<br>Column 2   | each columr  | if applicable                                      | <b>}</b> :   | Column 3   |
| ☑Male [                               | ☐ Female ☐ African-American/Black ☐  | Asian Americ<br>Native Amer                            |  | asian American   | □Supplier  |
| properly o<br>to be perf<br>which the | PARTICIPATION — S/M/WBE Primes must document all work executed Schedule 2 for any S/M/WBE participation may result ormed or items supplied with the dollar amount and/or percess/M/WBE is certified. A detailed proposal may be attached the supplied with the dollar amount and supplied to the supplied with the dollar amount and supplied to the supplied with the dollar amount and supplied to the supplied with the dollar amount and supplied to the supplied with the | It in that partic<br>entage for each<br>o a properly e | ipation not bei<br>work item. S/<br>xecuted Schedu | ng counted. Specify in<br>M/WBE credit will only<br>ale 2. | detail, the scope of work<br>be given for the areas in |
| Line<br>Item                          | Item Description   | Unit Price   | Quantity/<br>Units                                 | Contingencies/<br>Allowances                               | Total Price/Percentage                                 |
| 6.01, 6.06                            | Scie, Founts for and Material Tooling-Geological and Geophysical Bludes, Sois, Foundation and Material Testing-Material  | \$88,943.00  | 1  | None   | \$88,943.00  |
|                                       |  |  |  |  |  |
|                                       |  |  |  |  |  |
|                                       |  |  |  |  |  |
|                                       |  |  |  |  |  |
|                                       | signed Subcontractor/subconsultant is prepared to self-performing total price or percentage: \$88,943.00   | rm the above-  | described work                                     | in conjunction with the                                    | aforementioned project                                 |
|                                       | ersigned intends to subcontract any portion of this work to a<br>selow accompanied by a separate properly executed Schedul   |  | ntractor/subco                                     | nsultant, please list th                                   | e business name and the                                |
|                                       | ime of 2 <sup>nd</sup> /3 <sup>rd</sup> tier Subcontractor/subconsultant   | Price c  | or Percentage: _                                   |  |  |
|                                       |  |  |  |  |  |
|                                       | Chen Moore and Associates, Inc.  | Pac  | cifica End   | gineering Ser  | vices LLC  |
|                                       | Print Name of Prime  |  |  | tractor/subconsultant                                      |  |
|                                       | By:  | By:  | -  |  |  |
|                                       | Authorized Signature   | <u> </u>   | A  | uthorized Signature  | <u></u>  |
|                                       | Suzanne Dombrowski, P.E., ENV SP   |  | er Perez   |  |  |
|                                       | Print Name  Dringing Engineer  |  | <sub>Name</sub><br>ector                           |  |  |
|                                       | Principal Engineer   | Title  | SCIUI  |  |  |
|                                       | Date: 11/22/2023   | Date:  | 11/22/20   | 23   |  |
|                                       |  |  |  |  |  |

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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: 22-033 SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2 Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: AWP, Inc. (Check box(s) that apply) Date of Palm Beach County Certification (if applicable): N/A□SBE □WBE □MBE □M/WBE ☑Non-S/M/WBE 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 Description **Unit Price** Quantity/ Contingencies/ Total Price/Percentage item Units Allowances 1 Maintenance of Traffic \$43,319.41 None \$43,319.41 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: \$43,319.41 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. Price or Percentage: Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant Chen Moore and Associates, Inc. AWP, Inc. Print Name of Prime Print Name of Subcontractor/subconsultant Authorized Signature Authorized Signature Suzanne Dombrowski, P.E., ENV SP Anthony J. Amato Print Name Print Name Principal Engineer **Director of Contracts** Title 1/18/2024 1/18/2024 Date:

# **ATTACHMENT D**

# PROJECT SCHEDULE

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

Engineering Services

# Completion Date from Notice to Proceed

(Calendar Days)

| Task<br>Number | Task Description   | Completion Date from<br>Notice to Proceed<br>(Calendar Days) |
|----------------|--|--|
| TASK 1         | Project Management and Coordination                              | 580  |
| TASK 2         | Field Services   | 268  |
| TASK 3         | Preliminary Design   | 150  |
|                | Subtask 3.1 - Outfall Operational Review                         | 60   |
|                | Subtask 3.2 - Pump Station Basis of Design Report and 10% Design | <i>75</i>  |
|                | Subtask 3.3 - 30% Pipeline Design Plan Preparation               | 150  |
|                | Subtask 3.4 - 30% Pump Station Design Plan Preparation           | 150  |
| TASK 4         | Detailed Design  | 342  |
|                | Subtask 4.1 - 60% Pump Station Design Submittal                  | 165  |
|                | Subtask 4.2 - 90% Pipeline Design Submittal                      | 340  |
|                | Subtask 4.3 - 90% Pump Station Design Submittal                  | 165  |
|                | Subtask 4.4 - 100% Pipeline Design Submittal                     | 490  |
|                | Subtask 4.5 - 100% Pump Station Design Submittal                 | 315  |
| TASK 5         | Permitting Services  | 460  |
| TASK 6         | Bidding Support  | 580  |
| TASK 7         | Outfall Design and Permitting                                    | 330  |
|                | PROJECT TOTAL  | 580  |

Revised 12/20/2022

# ATTACHMENT E BUDGET SUMMARY (PRIME CONSULTANT)

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1
Consultant: CONSULTANT FEES COMBINED

Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>
PBCWUD Project No.: <u>23-053</u>

|                |  |                                    |         |                                       |                  |                         |                         |          |                                    |      |                            | ****      |   |                    |                |     |                                 |  |               |           |          |                       |
|----------------|--|------------------------------------|---------|---------------------------------------|------------------|-------------------------|-------------------------|----------|------------------------------------|------|----------------------------|-----------|---|--------------------|----------------|-----|---------------------------------|--|---------------|-----------|----------|-----------------------|
| Task<br>Number | Task Description   | Chen Moore and<br>Associates, Inc. |         | Barnes, Ferland &<br>Associates, Inc. |                  | Brown & Caldwell        | C & W Engineering, inc. |          | Engineered Design<br>Services, LLC |      | HBC Engineering<br>Company | 1         | Hillers Electrical<br>Engineering, Inc. |                    | ІпfrаМар Согр. |     | Keshavarz & Associates,<br>Inc. | Ouriffes Engineering                           | Services, LLC | PGAL, Inc | To       | atal Labor and Expens |
|                |  |                                    |         |                                       |                  |                         |                         |          |                                    |      |                            |           |   |                    |                |     |                                 |  |               |           |          |                       |
| TASK 1         | Project Management and Coordination  | 2000 NEO NEO                       |         | yeksen se se se                       | Magaza<br>Magaza | 1900 (1900 <del> </del> |                         | 1        | egen ennigen er fign               | <br> | va pad Valgralija          |           |   | (40000)<br>(40000) | omegywi        |     |                                 | 2 E 1 E 2 O                                    | 36463         |           | 199900   | Reference (Note 196)  |
|                | 1.1 Kickoff Meeting  | 5 5.21                             | 6.82 \$ | \$ -                                  | Ś                | 6.317.16                | \$ -                    | Ś        | -                                  | T \$ | -                          | \$        | 789,78                                  | \$                 | _              | \$  | 2,730,00                        | \$   | -             | \$ 1,046  | 50 \$    | 16,100.               |
|                | 1.2 Coordination and General Correspondence  | \$ 32,27                           |         | \$ -                                  | \$               | 15,525.90               | \$ 16,352,10            | \$       |                                    | \$   |                            | \$        | 10,387.83                               | \$                 | -              | \$  | 28,620.00                       | \$   | -             |           | 50 \$    | 103,612,0             |
|                | 1,3 Progress Meetings  | \$ 18,03                           |         | Š -                                   | \$               | 19,478.14               |                         |          | -                                  | \$   | -                          | \$        | -                                       | \$                 | -              | \$  | 6,660.00                        | <br>\$   | -             | \$        | -   \$   | 55,349.5              |
|                | Task 1 - Subtotal  |                                    |         | \$ -                                  | \$               | 41,321.20               | \$ 27,524.16            |          |                                    | 5    | -                          | \$        | 11,177.61                               | \$                 | -              | \$  | 38,010.00                       | \$   |               | \$ 1,495  | 00 \$    | 175,061.              |
|                |  |                                    |         |                                       |                  |                         |                         |          |                                    |      |                            | <u> </u>  |   | <u> </u>           |                |     |                                 |  |               |           |          |                       |
|                | Field Services   |                                    |         |                                       | 0.000            | alikinana)              |                         |          |                                    |      |                            |           |   |                    | <u> </u>       |     | <del>periological</del>         | <u> </u>                                       |               |           | Sec.     |                       |
|                | Subtask 2.1 - Records Review, Site investigation and Photo Study   |                                    |         |                                       | <b>,</b>         |                         |                         |          |                                    |      |                            |           |   | ,                  |                | ,   |                                 |  |               |           |          |                       |
|                | 2.1.1 Review of record drawings and previous studies   | \$ 6,17                            | 5.92 \$ | \$ -                                  | \$               | 1,154.64                | \$ -                    | \$       | -                                  | \$   |                            | \$        | 2,633.23                                | \$                 | -              | \$  |                                 | \$   |               | \$ 847.   | 19 \$    | 10,810.               |
|                | 2.1.2 Review of plans prepared by others adjacent to the project area (GL Homes)   | \$ 3,99                            | 1.92 \$ | ş -                                   | \$               | 1,154.64                | <b>\$</b> -             | \$       | -                                  | \$   |                            | \$        |   | \$                 |                | \$  | _                               | \$   | -             | \$ 398.   | 69 \$    | 5,545.                |
|                | 2.1.3 Site visit   | \$ 16,67                           |         | \$ -                                  | \$               | 3,509.28                | \$                      | \$       |                                    | \$   |                            | \$        | 3,102.01                                | \$                 | -              | \$  | 4,824.00                        | \$   | -             |           | 19 \$    | 28,956.9              |
|                | 2,1.4 Prepare Technical Memo of Field Observations   | \$ 10,39                           | 4.84 \$ | 5                                     | \$               | 1,325.48                | \$ -                    | \$       | -                                  | \$   | -                          | \$        |   | \$                 |                | \$  | - 1                             | \$   | -             | \$ 398,   | 69 \$    | 12,119.               |
|                | 2.1.5 Chlorine Testing and Analysis  | \$ 1,80                            | 0.00    |                                       | \$               | 5,130.00                |                         |          |                                    |      |                            |           |   |                    |                |     |                                 |  |               |           | \$       | 6,930.0               |
|                | Task 2.1- Total  | \$ 39,03                           | 7.16 \$ | <b>&gt;</b> -                         | \$               | 12,274.04               | \$                      | \$       | -                                  | \$   | -                          | \$        | 5,735.24                                | \$                 | -              | \$  | 4,824.00                        | \$   | -             | \$ 2,491  | 75 \$    | 64,362.               |
|                | Subtask 2.2 - Subsurface Utility Engineering (SUE)   |                                    |         |                                       |                  |                         |                         |          |                                    |      |                            |           |   | •                  |                |     |                                 |  |               |           |          |                       |
|                | Palm Beach County and Florida Department of Transportation Right-of-Way  |                                    |         |                                       | ٠                |                         |                         | 1        |                                    | l    |                            |           |   |                    |                | 1   | 1                               | \$   |               | \$        | - s      | 6,220.3               |
|                | . Ommany   | \$ 1,14                            |         | 2,876.40                              | <u> </u>         |                         | \$                      | 5        |                                    | \$   |                            | \$        | -                                       |                    | 2,195.98       | \$  |                                 |  |               |           | <u> </u> |                       |
|                |  | \$ 1,14                            |         | <u> </u>                              | \$               |                         | \$ -                    | \$       | -                                  | \$   | * .                        | \$        |   | ·····              | 8,742.52       | ļ\$ |                                 | <u>\$</u>                                      |               | \$        | - \$     | 114,658,5             |
|                | 2.2.3 Level B - Scan and Sweep / Targeting   | \$ 1,14                            |         | \$ 12,408.00                          | _                | -                       | \$ -                    | \$       | -                                  | \$   | -                          | S         | -                                       | \$                 | -              | \$  | ********                        | \$   |               | \$        | - \$     | 29,221.9              |
|                | 2.2.4 Level C - Design Tickets and Records Research  | \$ 1,14                            | 7.98 \$ | <u> </u>                              | \$               | -                       | \$ -                    | \$       |                                    | \$   | -                          | \$        |   | \$                 | -              | \$  |                                 | \$   |               | \$        | - \$     | 8,449,9               |
|                | 2.2.5 Maintenance of Traffic   | <u> </u>                           | - \$    | <b>&gt;</b> -                         | \$               | -                       | \$ -                    | -        |                                    | \$   | -                          | \$        | -                                       |                    | 2,780.30       |     |                                 | \$   |               | \$        | - \$     | 12,780.3              |
|                | Task 2.2- Total  | \$ 4,59                            | 1.92    | \$ 15,284.40                          | \$               | -                       | \$ -                    | \$       | -                                  | \$   | •                          | \$        | ,                                       | \$ 10              | 3,718.80       | \$  | 47,736.00                       | \$   | <u> </u>      | \$        | - \$     | 171,331.1             |
|                | Subtask 2.3 - Geotechnical Investigation   |                                    |         |                                       | ,                |                         |                         |          |                                    |      |                            |           |   |                    |                |     |                                 |  |               |           |          |                       |
|                |  |                                    | 7.98 \$ |                                       | \$               |                         | \$ -                    |          |                                    | \$   | -                          | Ş         | -                                       | \$                 |                | \$  |                                 |  | ,800.00       |           | - \$     | 2,947.9               |
|                | 2.5.2 Jan borings and Geotechnical Festing   | \$ 1,14                            |         |                                       | \$               | 1,200.00                | \$ -                    |          |                                    | \$   | •                          | \$        |   | \$                 | -              |     |                                 |  |               | \$        | - \$     | 89,490.9              |
|                | Task 2,3- Total  | \$ 2,29                            | 5.96    | <u> </u>                              | \$               | 1,200.00                | \$ -                    | <u> </u> |                                    | \$   | -                          | <b>\$</b> | -                                       | \$                 | -              | \$  | -                               | \$ 88  | ,943.00       | \$        | - \$     | 92,438.9              |
|                | Subtask 2.4 - Survey   | 4                                  |         |                                       | -                |                         |                         | ١.       |                                    | 1 0  |                            |           |   | s                  | -              | ٨   | CE 053 00 1                     | <u>,                                      </u> |               |           |          | 67.000.5              |
|                |  |                                    | 7.98 \$ |                                       | \$               |                         | \$ -                    |          | ~~~~                               | \$   | -                          | \$        | -                                       |                    |                | \$  | 65,952.00                       |  |               | \$        | - \$     | 67,099.9              |
|                | Trial representation of the second se | \$ 44,46                           |         |                                       | \$               |                         | \$ -                    |          | -                                  | \$   |                            | \$        | ·····-                                  | \$                 | <u>-</u>       |     |                                 | \$   |               | <u>ş</u>  | - \$     | 154,357,3             |
|                | 2.4.3 Pump Station Site Boundary and Topographic Survey  | \$ 1,14                            | 7.98 \$ | · -                                   | \$               | 1,200.00                | ş -                     | \$       | -                                  | \$   | -                          | \$        |   | \$                 | -              | \$  | 9,471,00                        | \$   |               | \$        | - \$     | 11,818.9              |
|                | 2.4.4 Preparation of Sketch and Legal Descriptions for easements as needed   | \$ 1.147                           | 7.98 \$ |                                       | \$               | -                       | <b>\$</b> -             | ŝ        | .                                  | s    | _                          | ś         | _                                       | ś                  |                | ŝ   | 4,977.00                        | \$   | -             | \$        | - \$     | 6,124.9               |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2
Resolution No. Contract Dated

Consultant Services Authorization No.: 1
Consultant: CONSULTANT FEES COMBINED

Project Title: <u>SOUTH COUNTY RECIAIMED WATER TRANSMISSION PIPEUNE PHASE 2</u> PBCWUD Project No.: <u>23-053</u>

| TASK 3 Prelim Subtas 3 3 3 Subtas     | Task Description  2.4.5 Maintenance of Traffic  Task 2.4- Total  Task 2 - Subtotal  minary Design ssk 3.1 - Outfall Operational Review 3.1.1 Site visit to each location, with PBCWUD 3.1.2 Review permit conditions for each outfall Review available records to determine the infrastructure in place to each |          |                                    | \$   | -             | Brown & Caldwell \$ . \$                | ර රා<br>C & W Engineering, Inc. |          |                         |              | - 5   | Hillers Electrical<br>Engineering, Inc. | on infraMap Corp. |           | Keshavarz & Associates,<br>Inc. | Pacifica Engineering<br>Services, I.L.C |     | PGAL, inc     | Total Labor and Expense              |
|---------------------------------------|---|----------|------------------------------------|--|---------------|---|---------------------------------|----------|-------------------------|--------------|---|---|-------------------|-----------|---------------------------------|---|-----|---------------|--------------------------------------|
| TASK 3 Prelim Subtas  3 3 3 Subtas    | 2.4.5 Maintenance of Traffic  Task 2.4 Total  Task 2 - Subtotal  minary Design ssk 3.1 - Outfall Operational Review 3.1.1 Site visit to each location, with PBCWUD 3.1.2 Neview permit conditions for each outfall  |          | 1,147.98<br>49,059.31<br>94,984.35 | \$   | -             | \$ -<br>\$ 1,200,00                     | \$ -                            | \$       | Engineered<br>Services, | \$           | . 6   |   | InfraMap          |           | Keshavarz & Ass<br>Inc.         | Pacifica Engineering<br>Services, L.C.  |     | PGAL, Inc     | Total Labor and Expen                |
| TASK 3 Prelim Subtas 3 3 3 5 Subtas   | Task 2.4- Total  Task 2 - Subtotal  minary Design sk 3.1 - Outfull Operational Review 3.1.1 Site visit to each location, with PBCWUD 3.1.2 Review permit conditions for each outful   |          | 49,059.31<br>94,984.35             | \$   | -             | \$ 1,200.00                             | 7                               |          |                         |              | . 5   |   | -                 |           |                                 |   |     |               |                                      |
| Subtas Subtas                         | Task 2 - Subtotal<br>ninary Design<br>ssk 3.1 - Outfall Operational Review<br>3.1.1 Ste visit to each location, with PBCWUD<br>3.1.2 Review permit conditions for each outfall  |          | 94,984.35                          |  |               |   | \$ -                            | \$       |                         |              |   |   |                   |           | \$ 3,664.90                     |   | \$  |               | \$ 4,812.                            |
| Subtas Subtas                         | ninary Design<br>isk 3.1 - Outfall Operational Review<br>3.1.1 Site visit to each location, with PBCWUD<br>3.1.2 Review permit conditions for each outfall  | \$       |                                    | \$ 15,284                                      | 1.40          |   |                                 |          |                         | \$           | - \$  | -                                       | \$                |           | \$ 193,954.90                   | \$ -                                    | \$  | -             | \$ 244,214.                          |
| Subtas Subtas                         | ninary Design<br>isk 3.1 - Outfall Operational Review<br>3.1.1 Site visit to each location, with PBCWUD<br>3.1.2 Review permit conditions for each outfall  | \$       |                                    | \$ 15,284                                      | 1.40          |   |                                 |          |                         |              |   |   |                   |           |                                 |   |     |               |                                      |
| Subtas  Subtas                        | isk 3.1 - Outfall Operational Review<br>3.1.1 Site visit to each location, with PBCWUD<br>3.1.2 Review permit conditions for each outfall   | \$       |                                    | 15/1/2000                                      |               | \$ 14,674.04                            | \$ -                            | \$       | -                       | \$           | - 5   | 5,735.24                                | \$ 103,7          | 18.80     | \$ 246,514.90                   | \$ 88,943.00                            | \$  | 2,491.75      | \$ 572,346.4                         |
| Subtas  Subtas                        | isk 3.1 - Outfall Operational Review<br>3.1.1 Site visit to each location, with PBCWUD<br>3.1.2 Review permit conditions for each outfall   | \$       |                                    |  | 0.1555        | ere a di francesa da de ere.            |                                 |          |                         | .3193592093  | 10 to | CONTRACTOR OF STREET                    | ar Greenane       | 373.75.55 | Nitra in England State (Nitra)  |   |     | 55.00,53.00,0 | was to state the management          |
| a a a a a a a a a a a a a a a a a a a | 3.1.1 Site visit to each location, with PBCWUD 3.1.2 Review permit conditions for each outfall  | \$       |                                    |  |               | * | ***********                     | 400.000  | 1.121.1.112             |              |   |   |                   |           |                                 |   |     | <u></u>       | 324, 61, 72, 64, 54, 54, 54, 54, 54, |
| 3<br>3<br>Subtes                      | 3.1.2 Review permit conditions for each outfall   | <u> </u> | 10.553.79                          | é  | - 1           | ¢ -                                     | \$ -                            | \$       | - 1                     | Ś            | - S   | - 1                                     | 5                 | - T.      | ś -                             | S -                                     | S   | -             | \$ 10,553,                           |
| 3<br>Subtes                           |   | ١ ٥      | 5,959.92                           |  |               | \$ 3,000,00                             | \$ -                            | Ś        |                         | <del></del>  | - 5   |   | . <del></del>     |           | \$ -                            | † <u>`</u> -                            | Š   | -             |                                      |
| Subtes                                |   | Ť        | 3,333,32                           |  | _             | · -,                                    | <u></u>                         | <u> </u> | - 1                     | •            | - +*  |   |                   |           | •                               | <u> </u>                                | +*- |               | 7 32-11                              |
| Subtas                                | 3.1.3 outfall   | 5        | 10,938.48                          | 4  | .             | \$ -                                    | s -                             | s        | - 1                     | Ś            | -   5   |   | \$                | - 1       | s -                             | \$ -                                    | \$  | -             | \$ 10,938.                           |
| Subtas                                | 3.1.4 Prepare Technical Memorandum  | Ś        | 15,037.08                          | <del></del>                                    |               | \$ 2,400,00                             | š -                             | Ś        | - 1                     | 5            | - S   | _                                       | \$                |           | \$ -                            | \$ -                                    | 5   |               | \$ 17,437.0                          |
|                                       | Subtask 3.1- Total  | 1        | 42,489.27                          | Ś  | -             | \$ 5,400,00                             | <u> </u>                        | 5        |                         |              | Š   |   | Ś                 | - 1       | <u>,</u>                        | š -                                     | 5   |               | \$ 47,889,3                          |
|                                       | isk 3.2 - Pump Station Basis of Design Report and 10% Design  | , ,      | 127:03:25 1                        | <u> </u>                                       |               | <b>y</b> -7                             | •                               |          |                         |              |   |   |                   |           | ·                               | 4                                       | ·   | ······        | <del>, ,,,</del> ,                   |
|                                       | 3.2.1 Basis of Design Report (BODR) Conceptual 10% Design   | Ś        | 2,787.84                           | \$   | -             | \$ 12,670.32                            | \$ 1,133.01                     | \$       | 20,530.56               | \$ 1,06      | 8.12 \$   | 2,929.51                                | \$                | - 1:      | \$ -                            | \$ -                                    | \$  | -             | \$ 41,119.3                          |
| 7                                     | 3.2.2 Design, BIM, Quality Management, OPCC, Schedule   | 5        |                                    | \$   | - [           | \$ 41,834.55                            | \$ -                            | \$       | - 1                     | \$ 1,06      | 8.12 \$   | -                                       | \$                | - 1       | \$ -                            | \$ -                                    | \$  | -             | \$ 42,902.6                          |
|                                       | 3.2.3 Proc-Mech BODR  | \$       | -                                  | \$   | - 1           | \$ 17,697,00                            | \$ -                            | \$       | - 1                     | \$           | - \$  |   | \$                | - 1       | \$ -                            | \$ -                                    | \$  | -             | \$ 17,697.1                          |
|                                       | 3.2.4 Surge Analysis  | \$       | -                                  | \$   | - 1           | \$ 13,159.80                            | \$ -                            | \$       |                         | \$           | - \$  | · -                                     | \$                | - !       | \$ -                            | \$ ~                                    | \$  | -             | \$ 13,159.8                          |
| - 7                                   | 3,2,5 Quality Review  | 5        | -                                  | \$   | -             | \$ 7,200.00                             | \$ 463.01                       | \$       | -                       | \$           | - \$  |   | \$                |           | \$ -                            | \$ -                                    | \$  | -             | \$ 7,663.0                           |
|                                       | 3,2,6 Warkshop  | \$       | 600.00                             | \$   | -             | \$ 6,067.20                             | \$ -                            | \$       | -                       | ~            | - \$  |   | \$                | - !       | \$ -                            | \$ -                                    | \$  | -             |                                      |
|                                       | Subtask 3.2- Total  | \$       | 3,387.84                           | \$   | -             | \$ 98,628,87                            | \$ 1,596.02                     | \$       | 20,530.56               | \$ 2,13      | 6.24 \$   | 2,929.51                                | \$                | - :       | \$ -                            | \$ -                                    | \$  | - ]           | \$ 129,209.0                         |
| Subtas                                | ısk 3,3 - 30% Pipeline Design Plan Preparation  |          |                                    |  |               |   |                                 |          |                         |              |   |   |                   |           |                                 |   |     |               |                                      |
| 5                                     | 3,3,1 30% Pipeline Plans  | \$       | 44,115,60                          | \$   |               |   | \$ -                            |          | -                       | 7            | - \$  |   | \$                |           | 3 71,256,00                     |   | \$  | -             |                                      |
|                                       | Subtask 3.3- Total  | \$       | 44,115.60                          | \$   | -             | \$ -                                    | \$ -                            | \$       |                         | \$           | -  \$   | - 1                                     | \$                |           | 71,256.00                       | 5 -                                     | \$  |               | \$ 115,371.6                         |
| Subtas                                | isk 3,4 - 30% Pump Station Design Plan Preparation  |          |                                    |  |               |   |                                 |          |                         |              |   |   |                   |           |                                 |   |     |               |                                      |
|                                       | 3.4.1 Basis of Design Report (BODR) Conceptual 30% Design   | \$       | 300.00                             | <u>. T</u>                                     | - 4           | \$ 7,157.52                             |                                 | т        |                         | \$ 2,13      |   | 3,554.78                                |                   |           | -                               | \$ -                                    | \$  |               | \$ 13,148.5                          |
| 3                                     | 3.4.2 Design, BIM, and Quality Management   | \$       | 300,00                             | \$   | -             | \$ 43,626.96                            |                                 | \$       |                         | \$ 1,06      |   |   | \$                | _         | \$ -                            | \$ -                                    | \$  |               | \$ 44,995.0                          |
| 3                                     | 3.4.3 General Sheets  | \$       | 2,535.36                           | •  | -             | \$ 17,834.40                            | \$ -                            | \$       |                         | <i></i>      | - \$  |   | \$                |           | \$ -                            | \$ -                                    | \$  |               | \$ 20,369.7                          |
|                                       |   | \$       | 300.00                             | <u> </u>                                       |               | \$ 21,492.96                            |                                 | \$       |                         |              | - \$  |   | \$                |           | <u> </u>                        | \$ -                                    | \$  |               | \$ 21,792.9                          |
|                                       |   | \$       | 300,00                             | •  | $\overline{}$ | \$ 30,516.39                            |                                 | \$       |                         | *            | - \$  |   | \$                | _         | 5 -                             | \$ -                                    | \$  |               | \$ 30,816.3                          |
|                                       |   | \$       | 300.00                             |  |               | \$ 7,200.00                             |                                 | \$       |                         |              | <u>- \$</u>   |   | \$                |           | <u> </u>                        | \$ -                                    | \$  |               | \$ 7,500.0                           |
|                                       |   | \$       | 300.00                             |  | -             |   | \$ -                            |          |                         |              | - S   |   | \$                |           | 5 -                             | \$ -                                    | \$  |               | \$ 9,574.5                           |
|                                       | or the office and Engineering   | \$       | 300.00                             |  | -             |   | \$ -                            |          |                         |              | - \$  |   | \$                |           | \$ -                            | \$ -                                    | \$  |               | \$ 300.0                             |
|                                       |   | \$       | 7,204.38                           |  | -             |   |                                 |          | 26,585,28               |              | - \$  |   | \$                | ;         | -                               | \$ -<br>\$ -                            | \$  |               | \$ 7,204.3<br>\$ 35,788.2            |
|                                       | ***************************************   | \$       | 300.00                             | <u>,                                      </u> | $\overline{}$ |   |                                 |          |                         | <u> </u>     | - \$  |   | \$                |           |                                 | \$ -                                    | 5   | -             |                                      |
|                                       | 1122 7 Telling disjusters to g  | \$       | 300.00                             |  | -             |   | \$ 5,286.02                     |          | $\overline{}$           | <del> </del> | - \$  |   | \$                |           |                                 |   | Ś   |               | \$ 4,185.0<br>\$ 5,586.0             |
| 3.4                                   |   | \$       | 300.00                             | \$   | - 1           | S - 1                                   |                                 |          |                         |              |   | -                                       |                   | - 19      | \$ -                            | Ś -                                     |     |               |                                      |

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1
Consultant: CONSULTANT FEES COMBINED

Project Title: <u>SOUTH COUNTY RECLAIMED</u> WATER TRANSMISSION PIPELINE PHASE 2
PBCWUD Project No.: <u>23-053</u>

|                |   |                                    | · · · · · · · · · · · · · · · · · · · |                              |   |                                    |                            |   |                |                                 |                                       |              | *************************************** |
|----------------|---|------------------------------------|---------------------------------------|------------------------------|---|------------------------------------|----------------------------|---|----------------|---------------------------------|---------------------------------------|--------------|---|
| Task<br>Number | Task Description  | Chen Moore and<br>Associates, Inc. | Barnes, Ferland &<br>Associates, Inc. | Brown & Caldwell             | C & W Engineering, Inc.                 | Engineered Design<br>Services, LLC | HBC Engineering<br>Company | Hillers Electrical<br>Engineering, Inc. | іпfrаМар Согр. | Keshavarz & Associates,<br>Inc. | Pacifica Engineering<br>Services, LLC | PGAL, Inc    | Total Labor and Expen                   |
|                | 3.4.14 Architectural  | \$ 300.00                          | \$ -                                  | \$                           | \$ -                                    | \$ -                               | \$ -                       | \$ -                                    | \$ -           | \$ -                            | \$ -                                  | \$ 19,201.18 | \$ 19,501.1                             |
|                | Subtask 3.4- Tota   | \$ 13,339.74                       | \$ -                                  | \$ 137,102,79                | \$ 12,417.03                            | \$ 41,730.24                       | \$ 3,204.36                | \$ 9,211.77                             | \$ -           | \$ -                            | \$ -                                  | 5 19,201.18  | \$ 236,207.1                            |
|                |   |                                    |                                       |                              |   |                                    |                            |   |                |                                 |                                       |              |   |
|                | Task 3 - Subtota  | \$ 103,332.45                      | \$                                    | \$ 241,131.66                | \$ 14,013.05                            | \$ 62,260.80                       | \$ 5,340.60                | \$ 12,141.28                            | \$ -           | \$ 71,256.00                    | \$ -                                  | \$ 19,201.18 | \$ 528,677.0                            |
|                |   | <u> </u>                           |                                       |                              |   | <u></u>                            | L                          |   |                |                                 |                                       |              |   |
|                |   | MENTERS STATE AND AND              | <u> erinako katekatek</u>             |                              | Kitawa ee gaa gaabaa A                  | ing (City City Institute Aug       | <u>SARANGA BERMARAN</u>    | <u>anga waxa baaya</u>                  |                |                                 | at 1990 kilotete                      |              | est at the fifther the second problem   |
|                | Subtask 4.1 - 60% Pump Station Design Submittal             |                                    |                                       | 4                            | 4                                       |                                    | T 2                        |   | -              | ,                               |                                       | ·            |   |
|                | 4.1.1 Design, BIM, and Quality Management                   | \$ 400.00                          |                                       | \$ 50,862.96<br>\$ 16,725.12 |   | \$ -                               | \$ -                       |   |                | \$                              |                                       |              | \$ 51,262.9                             |
|                | 4.1.2 General Sheets  | \$ 2,835.36                        |                                       | y 10,7 K3,4K                 |   | \$ -                               | \$ -                       | *************************************** | \$ -           | \$ -                            | \$ -                                  | \$ -         | \$ 19,560.4                             |
|                | 4.1.3 Proc-Mech Design                                      | \$ 300.00                          | •                                     | 4 4011 50125                 | \$ -                                    | \$ -                               | \$ -                       | \$ -                                    | \$ -           | \$ -                            | \$ -                                  | ·•           | \$ 20,925.1                             |
|                | 4.1.4 OPCC and Construction Schedule                        | \$ 600.00                          | \$ -                                  | \$ 28,813.32                 | \$ -                                    | \$ -                               | \$ -                       | \$ -                                    | \$ -           | \$ -                            | \$ -                                  | \$ -         | \$ 29,413.3                             |
|                | 4.1.5 Quality Review  | \$ 300.00                          |                                       | \$ 7,200.00                  | \$ -                                    | \$ -                               | <u>\$</u>                  | \$ -                                    | \$ -           | \$ -                            | \$                                    | \$ -         | \$ 7,500.0                              |
|                | 4.1.6 Workshop  |                                    | \$ -                                  | \$ 9,274.56                  | \$ -                                    | \$ -                               | \$ -                       | \$ -                                    | \$ -           | \$ -                            | s -                                   | \$ -         | \$ 9,574.5                              |
|                | 4.1.7 Site Civil Engineering                                | \$ 300.00                          | \$ -                                  | \$ -                         | \$ -                                    | \$ -                               | \$ 24,239.85               | \$ -                                    | \$ -           | \$ -                            | \$ -                                  | \$ -         | \$ 24,539.8                             |
|                | 4.1.8 Landscape Architecture                                | \$ 8,861.28                        | \$ -                                  | \$ "                         | \$ 6,554.03                             | L-7                                | \$ -                       | \$ -                                    | \$ -           | \$ -                            | \$ -                                  | s -          | \$ 8,861.2                              |
|                | 4.1.9 Electrical Engineering 4.1.10 Plumbing Engineering    | \$ 602.64<br>\$ 602.64             | \$                                    | \$ -                         |   | V 55,745,10                        | \$ -                       |   | \$ -           | \$ -                            | <u>s</u> -                            | \$ -         | \$ 68,242.2                             |
|                | 4.1.11 HVAC Engineering                                     | \$ 602.64                          |                                       | *                            | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | \$ -                               |                            |   | \$ -           | \$ -                            | \$ -                                  | \$ -         | \$ 7,952.6                              |
|                | 4.1.11 HVAL Engineering 4.1.12 Structural Engineering       | \$ 602.64                          | \$ -                                  | \$ -                         |   | \$ 22,902,40                       |                            |   | <u>\$</u> -    | \$ -                            | \$ -                                  | \$ -         | \$ 8,600.6                              |
|                | 4.1.13 Architectural  | \$ 602.64                          | \$ -                                  | \$ -<br>\$ -                 | •                                       |                                    | 7                          | · ·                                     | \$ -           | \$ -                            | \$ -                                  | \$ -         | \$ 23,505.0                             |
|                | 4.1.13 Arcmeetural Subtask 4.1- Total                       |                                    | *                                     | \$ 132,601.08                |   |                                    | *                          | 7                                       | \$ -           | \$ -                            |                                       | \$ 19,754.27 |   |
|                | Subtask 4.2 - 90% Pipeline Design Submittal                 | \$ 16,909.84                       | \$ -                                  | \$ 132,601.08                | \$ 21,902.09                            | \$ 62,698.56                       | \$ 24,239.85               | \$ 21,297.38                            | \$ -           | \$ -                            | \$ -                                  | \$ 19,754.27 | \$ 299,395.0                            |
|                | 4.2.1 90% Pipeline Plans                                    | \$ 101,686.20                      | \$ -                                  | \$ -                         | ^                                       | \$ -                               |                            | \$ -                                    |                | A                               | T                                     |              |   |
|                | 4.2.1 90% Pipeline Plans 4.2.2 90% Specifications           | \$ 13,638,48                       |                                       | \$ -<br>\$ -                 | \$ -<br>\$ -                            | \$ -                               | \$ -<br>\$ -               | *                                       |                | \$ 67,524.00<br>\$ -            |                                       | \$ -         | \$ 169,210.20                           |
| +              | 4.2.2 90% Specifications 4.2.3 90% Opinion of Probable Cost | \$ 8,872.08                        | \$ -                                  | \$ -                         | \$ -                                    | \$ -                               |                            |   | \$ -<br>\$ -   | \$ -<br>\$ -                    | <u> </u>                              | \$ -         | \$ 13,638.48                            |
|                | Subtask 4,2-Total   |                                    |                                       | \$                           | \$ -                                    | \$ -                               | \$ -                       |   | \$ -           | \$ 67,524.00                    |                                       |              | \$ 8,872,08<br>\$ 191,720,76            |
| -              | Subtask 4.3 - 90% Pump Station Design Submittal             | ; 7 124,250.70                     |                                       | <del>y</del> - 1             | · -                                     |                                    | 3                          | 2 - 1                                   | ş -            | 3 07,324.00                     | > -                                   | 1 > -        | \$ 191,720.76                           |
|                | 4,3.1 Design, BIM, and Quality Management                   | Ś -                                | \$ -                                  | \$ 40,408.56                 | \$ -                                    | \$ -                               | \$ -                       | \$ -                                    | \$ -           | \$ -                            | Ś.                                    | l s -        | \$ 40,408.56                            |
|                | 4.3.2 General Sheets  | \$ 2,835.36                        |                                       | \$ 16,725.12                 | š -                                     | \$ -                               |                            |   | š -            | \$ -                            | s -                                   |              |   |
|                | 4.3.3 Proc-Mech Design                                      | \$ 300.00                          |                                       |                              | š -                                     | \$ -                               | _T                         | 7                                       | \$ -           | <del>-</del>                    | \$ -                                  |              | \$ 19,560.48<br>\$ 20,961.00            |
|                | 4.3.4 OPCC and Construction Schedule                        | \$ 300.00                          |                                       | \$ 28,813,32                 |   |                                    |                            | •                                       |                | \$ -                            | 5                                     |              | \$ 29,113.32                            |
|                | 4.3.5 Quality Review  | \$ 600.00                          | š -                                   | \$ 7,200.00                  |   |                                    | \$                         |   | ·              | \$ -                            | \$ .                                  | 5 -          | \$ 7,800.00                             |
|                | 4.3.6 Workshop  | \$ 300,00                          | š -                                   | \$ 11,658.24                 | \$ -                                    | 7                                  | š -                        | ·                                       | \$ -           | š -                             |                                       | <u> </u>     | \$ 7,800.00                             |
|                | 4,3.7 Site Civil Engineering                                | \$ 300.00                          | <u> </u>                              |                              | \$ -                                    |                                    | \$ 23,475.30               | <del>-</del>                            | š -            | \$ -                            | <u>'</u>                              | 4            | \$ 23,775.30                            |
|                | 4.3.8 Landscape Architecture                                | \$ 8,861.28                        |                                       | 7                            | \$ -                                    | \$ -                               | \$ -                       | ·                                       | š .            | \$ -                            | · · · · · · · · · · · · · · · · · · · | <u> </u>     | \$ 8.861.28                             |
|                | 4.3.9 Electrical Engineering                                | \$ 602,64                          | -                                     | ,                            | \$ 6,662.03                             | \$ 39,788,16                       | š -                        | <u> </u>                                |                | 5 -                             | \$ -                                  |              | \$ 59.270.59                            |
|                | 4.3.10 Plumbing Engineering                                 | \$ 602.64                          |                                       |                              | 5 8,484,03                              |                                    |                            |   | š -            | 5 -                             | \$ -                                  |              | \$ 9,086.67                             |
|                | 4.3.11 HVAC Engineering                                     | \$ 602,64                          |                                       | •                            | \$ 8,970.03                             |                                    | \$ -                       | 7                                       | T .            | <del>y</del> -                  | s -                                   |              | \$ 9,572.67                             |
|                | 4.3.12 Structural Engineering                               | \$ 602.64                          |                                       | ,                            | \$ -                                    | \$ 22,902.40                       |                            | ,                                       | š -            | \$ -                            | \$ -                                  |              | \$ 23,505.04                            |

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Nesolution No. Consultant Services Authorization No.; 1
Consultant: CONSULTANT FEES COMBINED
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

PBCWUD Project No.: 23-053

|                |   |  |                                       |                |                      |  |  |  |              | · · · · · · · · · · · · · · · · · · ·   |   |  |                |                                |          |   |           |   |  |
|----------------|---|--|---------------------------------------|----------------|----------------------|--|--|--|--------------|---|---|--|----------------|--------------------------------|----------|---|-----------|---|--|
|                |   |  |                                       | _              |                      |  |  |  | _            |   |   |  |                |                                |          |   |           |   |  |
|                |   | <del>                                     </del> |                                       |                |                      | <del> </del>   | —  |  |              |   |   | 1  |                |                                |          |   |           | ·   |  |
| Task<br>Number | Task Description  | Chen Moore and<br>Associates, inc.               | Barnes, Ferland &<br>Associates, Inc. |                | Brown & Caldwell     | C & W Engineering, Inc.                                |  | Engineered Design<br>Services, LLC     |              | HBC Engineering<br>Company  | Hillers Electrical<br>Engineering, Inc. | The state of the s | InfraMap Corp. | Keshavarz & Associates,<br>Inc | 1        | Pacifica Engineering<br>Services, LLC         |           | PGAL, Inc   | Total Labor and Expens   |
|                | 4.3.13 Architectural  | \$ 602.6   |                                       | - !            | Y                    | \$ -   | - \$   |  | \$           |   | \$ -                                    | \$   |                | \$                             | -        | \$  | - \$      | 22,520.14   | \$ 23,122.7  |
|                | Subtask 4.3- Total  | \$ 16,509.8                                      | 4   \$                                | - :            | \$ 125,466.24        | \$ 24,116.0  | 09   \$                                      | 62,690.56                              | \$           | 23,475.30   | \$ 12,217.77                            | \$   | -              | \$                             | -        | \$  | - \$      | 22,520,14   | \$ 285,995.9   |
|                | Subtask 4.4 - 100% Pipeline Design Submittal                        | ,  |                                       |                |                      |  |  |  |              |   |   |  |                |                                |          |   |           |   |  |
|                | 4.4.1 100% Pipeline Plans   | \$ 63,090.00                                     |                                       |                |                      | \$ -   |  |  | \$           | - 1   | \$ -                                    | \$   | - 7            |                                | 44.00    | \$  | - 1       | \$ -  | \$ 69,834,0  |
|                | 4.4.2 100% Specifications   | \$ 8,065.20                                      |                                       |                |                      | \$ -   |  |  | \$           | ~   | \$ -                                    | \$   | -              | \$                             | -        | \$  | $-\Gamma$ | \$ -  | \$ 8,065.2   |
|                | 4.4.3 100% Opinion of Probable Cost                                 | \$ 5,005,9                                       |                                       |                |                      | \$ -   | -  |  | \$           |   | \$ -                                    | \$   | -              | \$                             | -        | \$  | - \$      | <b>.</b> -  | \$ 5,005.9   |
|                | Subtask 4.4- Total  | \$ 76,161.13                                     | 2   \$                                | 13             | \$ -                 | \$ -   | . \$   |  | \$           | - :   | \$ -                                    | \$   | -              | \$ 6,7                         | 44.00    | \$  | - 5       | j -   | \$ 82,905.1  |
|                | Subtask 4.5 - 100% Pump Station Design Submittal                    | · · · · · · · · · · · · · · · · · · ·            |                                       |                |                      |  |  |  |              |   |   |  |                |                                |          |   |           |   |  |
|                |   | \$ -   |                                       |                | \$ 23,163.84         |  | -   \$                                       |  |              | - !   |   |  |                | \$                             | -        | \$  | - ] 9     |   | \$ 23,163,8  |
|                |   | \$ 2,835.30                                      |                                       |                |                      |  | \$   |  | \$           |   | -                                       | \$   | -              | \$                             |          | \$  | -   \$    | -   | \$ 19,560.4  |
|                |   | \$ 300.00  |                                       |                | \$ 20,661.00         |  |  |  | \$           | - :   | T .                                     | \$   | -              | \$                             | -        | \$  | - \$      | ş -   | \$ 20,961.0  |
|                |   | \$ 300,00  |                                       |                | \$ 2,400.00          |  |  |  | \$           | to be seen as a seen  | \$ -                                    | \$   |                | \$                             |          | \$  | - 5       | <del>-</del> -  | \$ 2,700.0   |
|                |   | \$ 300.00  |                                       |                | 7                    | \$ -   |  |  | \$           | 4,900.77  |   | \$   | -              | \$                             | -        | \$  | - \$      | ÷ -   | \$ 5,200.7   |
|                |   | \$ 5,704.68                                      |                                       |                |                      | \$ -   |  |  | \$           | - !:  |   | \$   |                | \$                             | -        | \$  | - \$      | - ¢   | \$ 5,704.6   |
|                |   | \$ 300.00  |                                       | . 5            |                      | \$ 3,673.5   |  |  |              |   |   |  | -              | \$                             | -        | \$  | - \$      | -   | \$ 23,687.0  |
|                |   | \$ -   | <del>-</del>                          |                | *                    | \$ 4,607.0   | _  |  | \$           |   |   | \$   |                | \$                             |          | \$  | - \$      |   | \$ 4,607.0   |
|                |   | \$ -   |                                       |                | \$                   | \$ 5,012.0   |  |  | \$           | - 3   |   | \$   | - 1            | \$                             | - '      | \$  | - \$      | j -   | \$ 5,012.0   |
|                |   | \$ -   | \$ -                                  | . 5            | 7                    | \$ -   | - \$   | 8,149,12                               | \$           | - 3   | -                                       | \$   | -              | \$                             | -        | \$  | - \$      | ; -   | \$ 8,149.1   |
|                | 4.5.13 Architectural  | \$ -   | \$ -                                  |                | 7                    | \$ -   | - \$   | -                                      | \$           | - :   |   | \$   |                | \$                             |          | \$  | - \$      | 7,928.58  | \$ 7,928.5   |
|                | Subtask 4.5- Total  | \$ 9,740.04                                      | 1 5 -                                 |                | \$ 62,949.96         | \$ 13,292.5  | <u> 3                                   </u> | 21,139.84                              | \$           | 4,900.77  | \$ 6,722.87                             | \$   | -              | \$                             | -        | \$  | - \$      | 7,928.58  | \$ 126,674.59  |
|                | Task 4 - Subtotal   | ¢ 343.543.66                                     |                                       |                | 6 221 617 20         | A 50.210.  | 70/6   | 145 530 05                             | ÷            | 52 545 55 /   |   |  |                |                                |          |   | $\perp$   |   |  |
|                | 1034 4 - JERROG   | \$ 243,317.0C                                    | ,   -                                 |                | \$ 321,017.28        | \$ 59,310.7  | 70   3                                       | 146,520.96                             | <u> </u>     | 52,615.92   | \$ 40,238.01                            | >  |                | \$ 74,26                       | .00,80   | \$  |           | 50,203.00   | \$ 987,691,47  |
| TASK 5         | Permitting Services   |  | en en vinever v                       | 1300           | 10103340040040040040 | es er e servere en | w.755  | 30800000000000000000000000000000000000 | 1135757      | \$0% N. 10 O. 10 N. | servi (ER Capacida de destri            |  | 1,31211 2011 2 | - 5 5 P 5 P 5 P 5 P 5 P 5 P    | 9090193  | 50 5 Free 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | -75.55    | a, regalegrades, rea  | Control of the Contro |
|                | Subtask 5.1 - Permitting for Roadway Impacts (PBC Land Development) | *************************                        | ····                                  |                |                      |  |  |  |              |   |   |  |                |                                | 22.77.00 |   | 22,22,23  | A Contract of the State of the | <u> 18 maria da Bara da da Mara I</u>  |
|                | 5.1.1 Pre-Application Meeting                                       | \$ 1,696,26                                      | Ś                                     | S              | \$ - T               | \$ -   | \$   | - 1                                    | s            | - 15  | s - I                                   | Ś  | - 1            | ۲                              | - 1      | Ś   | -13       |   | \$ 1,696.26  |
|                | 5.1,2 Prepare and Submit Application Data                           | \$ 3,266,52                                      | . s -                                 | İ              | š -                  | Ś -  | Ś  |  |              | - 5   |   | \$   |                | Ś                              | _        | \$  | Ś         |   | \$ 3,266,52  |
| ,              | 5.1.3 Revise and Resubmit Application Documents                     | \$ 9,679,44                                      | S -                                   | S              | \$ -                 | \$ -   | \$   | -                                      | Ś            | - 5   |   | Ś  |                | \$                             | -        | \$  | - š       |   | \$ 9,679.44  |
|                | Subtask 5.1- Total  |  |                                       | Ś              |                      | š -  |  |  | \$           | - 5   |   | 5  |                | <u>\$</u>                      | -        | Ś   | · \$      |   | \$ 14,642.23   |
|                | Subtask 5.2 - Permitting for Roadway Impacts (FDOT)                 |  |                                       |                |                      |  |  |  | <del>-</del> |   |   |  |                | <del></del>                    |          | <del></del>                                   | - ۲       |   | 3 14,042,22  |
|                |   | \$ 1,696.26                                      | i s -                                 | 5              | \$ -                 | \$ -   | Ts   | .                                      | \$           | - 15  | - 1                                     | Ś  | - T            | ξ                              | - 1      | Ś   | -  \$     |   | \$ 1,696,26  |
|                |   | \$ 3,266.52                                      |                                       | _              |                      | \$ -   |  |  | Ś            | - 5   |   | \$   |                | Ś                              |          | Ś   | - s       |   | \$ 3,266,52  |
|                |   | \$ 7,492.80                                      |                                       | S              |                      | <u>\$</u> -  |  |  | Š            | - š   |   | š  |                | ś                              |          | \$  | - 5       |   |  |
|                | Subtask 5.2- Total  |  |                                       | <del></del>    |                      | š -  | <del></del>                                  |  | 5            | - 3   |   | Ś  |                | Ś                              | -        | Ś   | - s       |   |  |
| ***********    | Subtask 5.3 - Permitting with Lake Worth Drainage District          |  |                                       |                |                      |  |  |  | <u> </u>     | 1 7   |   | *  |                | <u> </u>                       | - 1      | ~   |           |   | → 1∠,455.5t  |
|                |   | \$ 1,693.32                                      | \$ -                                  | Ś              | <u> </u>             | \$ -   | s  |  | Ś            | -   \$  | - [                                     | Ś  | - 1            | \$                             | . 1      | Ś   | - I \$    | - [   | \$ 1,693.32  |
|                |   | \$ 4,177.32                                      |                                       |                |                      | 5 -  | Ś  |  | Š            | - \$  |   | \$   | - 1            | <del></del>                    | -        |   | - 5       |   |  |
|                | 5.3.3 Revise and Resubmit Application Documents                     | \$ 6,854.64                                      |                                       | <del>- '</del> |                      | <u> </u>   | - + -  |  | Ś            | . 5   |   | Š  | - 1            | T                              | -        | \$  | - 5       |   | \$ 4,177.32  |
|                |   |  |                                       |                |                      |  |  |  |              |   |   |  |                |                                |          |   |           |   |  |

| I#'95I'899'Z \$          | 40'95E'58   | \$ 00'616'88 \$                         | 00'016'85# \$                           | ZI'BZS'ETT Ś                                     | ST'8ST'00T :                            | \$ IE'666'b/.                          | \$ 91'88''EVZ                                 | \$ \$6'./\$E'90\ \$     | . ZZ:IIS'299 \$                                | 12°584'40                             | \$ 66'6/2'81/                           | PROJECT 101AL S                                | ı  |
|--------------------------|-------------|---|---|--|---|--|---|-------------------------|--|---------------------------------------|---|--|--|
| ·                        | T           | ,,                                      | 1                                       | 1  | 1                                       | 1                                      | 1   | 1                       | T  | 1                                     | 1                                       |  |  |
| 05'T69'E9T \$            | ; - s       | - s                                     | 01:198'EZ \$                            | 86,628,6 \$                                      | 8E.782,11                               | s -                                    | \$ 82,285,35                                  | š - š                   |  | <u> </u>                              | 96.867.18                               | Isloidu2 - 7 AseT                              | 1  |
| 87.07e,4s                |             |   |   |  |   | <u> </u>                               | •   | <u> </u>                |  |                                       | 2,400.00                                |  | 1  |
| 94.364,E 2               |             |   |   | 91/960'T \$                                      |   |  | <u> </u>                                      | ś - ś                   |  |                                       | 00'001'Z S                              |  | 1  |
| 00.618,65                |             | · \$                                    | <u> </u>                                |  |   | š                                      |   | <u> </u>                |  | -                                     | 00.619,62                               |  | 1  |
| 09,8££,48 \$             |             |   |   | ZS:6/1,7 \$                                      |   | T                                      | 7   | <u> </u>                |  | <u> </u>                              | 08.477,64                               |  | 1-   |
|                          |             |   | 01.188,85 2                             |  |   |  |   | <u> </u>                |  |                                       | 95.013,E 2                              |  | +  |
|                          | .]          | 4,000,000,000                           | 101130 20 3                             |  | 140000000000000000000000000000000000000 | <b>?. ]</b><br>The Political Control   | <b>?  </b>                                    |                         | i di parti sa salgari s                        | en jarkan, nimajar                    | , 1 22 012 5                            | Snittima 9 bus naise listing                   | Z / VCW  |
|                          | 1           | 1                                       | 7                                       | 5-1  | 1                                       | ************************************** | de de certa (ellera) (el                      |                         | . (1 (1 ) (1. / / . / . / . / . / .            |                                       |   |  | LAST   |
| 27.488,E8 2              | Z9'609'b    | \$ - \$                                 | - s                                     |  | 68.8ET,7 2                              | \$ \$0.70\$,E                          | \$ 08.916,6                                   | Z0.Σ70,ξ \$             | 09'168'97 \$                                   | : -                                   | 27.841,2E 2                             | S lestorduc - a Azet                           | · <del> </del>                                   |
|                          | 00.798      |   |   |  |   |  | \$ -  | 00.972                  |  |                                       | TL'7976 S                               |  | 1  |
|                          | 00.665 6    |   |   | ,  |   |  | <u>s</u> -                                    | 5 . 5                   |  | ' '                                   | 95.859,1 8                              |  | †  |
|                          | 69.262,1    |   |   |  |   | •                                      | <u>s</u> -                                    | <del></del>             |  |                                       | 84.884,4 2                              |  | 1  |
|                          | 05'8bb 5    |   |   |  |   |  | <u>s</u> -                                    | ;<br>; - ;              |  |                                       | 09,280,2                                |  | <del> </del>                                     |
|                          | EL.748 2    | <u> </u>                                |   |  |   | <u></u>                                | \$ 08.010,E                                   |                         | 97.EZI,01 \$                                   | <u> </u>                              | 89'662'8                                |  | 1  |
| - Ś                      |             |   |   |  | _ <                                     |  | ¢ - 4   | 5 - 5                   |  | <u> </u>                              |   |  | 1  |
|                          | 05'844 5    |   | <del></del>                             | -  |   | ·                                      | <del>{</del>                                  | 10.592,01               | ,  |                                       | 06.86£,p 2                              |  | +  |
|                          |             | - 5                                     | <u> </u>                                |  |   | -                                      | <del>}</del>                                  | 5 - 5                   |  |                                       | 76°050'Z \$                             |  | <del>                                     </del> |
|                          |             | 0.070.000                               | anagenis did del                        |  | 1                                       | <u> </u>                               | Y   | 7                       |  |                                       |   | hadduž snibbis                                 | 9 1154   |
|                          | 1 "         |   | 1                                       | 1  | 1                                       | T'                                     | <del></del>                                   | T                       | 1  | 1                                     | 1                                       |  |  |
| 9E'E00'ZST \$            | ZS:55E'Z 5  | : - s                                   | 1 - <                                   |  | £7.251,2 3                              | \$ 52'589'61                           | \$ 76,602,0                                   | \$ Z0'8Z\$'Z            | PP.25/6,55 2                                   |                                       | 85.436,501 \$                           | Task 5 - Subtotal                              |  |
|                          | ,           |   | <u> </u>                                | <del>                                     </del> |   | 32 343 63                              | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,       |                         | 17 323 55 7                                    | 1                                     |   | ,        |  |
| \$ 717,780.28            | ZS'SSE'Z    | - \$                                    | - \$                                    | · \$   | £7.981,5                                | 54'5E9'EI                              | \$ 25.402,4                                   | Z0.824,2 2              | \$\$.22,975.44                                 |                                       | 05.141,49 \$                            | Subtask 5.4- Total                             |  |
| 94'910'84 \$             | ST 895 E S  | - \$                                    | - \$                                    | - \$   | - 5                                     | \$ 50'Z98'E                            | \$ 75.402,4                                   | 10.9Eh 2                | \$ 22,975.44                                   |                                       | 05'049'ZT \$                            | S.4.4 PBC Building Department Review           |  |
| Z6'TZ5'ZT \$             | 1- \$       | - \$                                    | - s                                     | - Ś  |   | 50.238,E                               | \$ - 9  | - <del>\$</del>         | - s  |                                       | Z6:6S9'8 \$                             | S.4.3 PBC Land Development Drainage Review     | 1  |
| £S'007'4T \$             | - s         |   | † · · · · · · · · · · · · · · · · · · · | <u> </u>   | - 3                                     | \$ 50.238,E                            | <u>s</u> - <u>s</u>                           |                         |  |                                       | 84'88EE'ET \$                           |  |  |
| \$ 36'4¢T'35             | ZE. 787,E 2 |   | - <u>\$</u>                             | 1 - 3  | EV. GET, S                              |  | <del>{</del>                                  | 20'766'T \$             |  |                                       | 09,274,65 \$                            |  | 1  |
|                          | ,,          | *                                       | <u> </u>                                | .i   | 102 000 0                               | , 100 0.00                             | <u>, , , , , , , , , , , , , , , , , , , </u> | , 100 too               | <u>.                                      </u> |                                       | 1                                       | Subtask 5.4 - Pump Station Permitting Services |  |
| sasnaqx3 bne rodeJ le107 | PGAL, Inc   | Pacifica Engineering<br>Services, LLC   | Keshavarz & Associates,<br>inc.         | InfraMap Corp.                                   | Hillers Electrical<br>Engineering, Inc. | HBC Engineering<br>Company             | Engineered Design<br>Services, LLC            | C & W Engineering, Inc. | Brown & Caldwell                               | Barnes, Ferland &<br>Associates, Inc. | Chen Moore and<br>Associates, Inc.      | netrapioese Jesc T                             | Task<br>Vumber                                   |
|                          |             | *************************************** |   |  |   |  |   |                         |  |                                       | *************************************** |  |  |

PBCWUD Project No.: 23-053

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

Consultant: CONSULTANT FEES COMBINED

Consultant Services Authorization No.: 1

Resolution No. Contract Dated

CORTISCT for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Palm Beach County Water Utilities Department

CCDC/GC/CT 9455WH € 30 ₹ Chen Moore and Associates, Inc.

|   |   |  | ,  |                     | <del></del>                              |   |  | ,                                       |  | •                                     |          |              |  |   |   |                                       |   |   |   |  |  |  |
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|   |   | -  | <del> </del>   | +                   | <del> </del>                             | <b>-</b>                                | <del> </del>                                     | <u> </u>                                |  |                                       |          |              |  |   |   |                                       |   |   |   | ļ  | ļ  | Abad balldad<br>Nottindad neptad noticit geme 803 - 1.b Jeofer?  |
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| ·   |   | 1  | o<br>a   |                     | ļ  | L                                       |  |   |  |                                       |          |              | I.   |   |   |                                       |   |   |   |  | ļ  | St. Supply Relay   |
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| er 13101 ,  |   | 1 6L 155 01 3  |  |                     |  |   | ├──  |   |  |                                       |          | ļ            | <del> </del>                                     |   | 72                                      | <b></b>                               | <del> </del>                            |   | 93                                      |  |  | wakes lanatanaga hajaro - L.E Azalduzi   |
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| 6E-136,14 &   |   |  |  |                     |  |   |  |   |  |                                       |          |              |  |   |   |                                       |   |   |   |  |  |  |
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| F9 T09   S   F9  |  | 19 TO9   5<br>  36 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99   | 64<br>1<br>1<br>7<br>1<br>1                 | OFTIT \$ | \$ 148.65    | (E61) Z  | ipisi s  | Z5WT \$  | OOWEI \$                              | ZBZZE S      | 01 (2)  | £65001 <   | ZSTIFE C   | 19701       | ( PETS)         | ZE 002 C     | <u> </u>   |  |                                       |              | 2007008      | tomingenink yelike ord disk organist (1.)  (1.) All Single     |  |
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| P9 T09   S   P9  |  | 19 TO9   5<br>  36 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99   | 1<br>1<br>2<br>1<br>2<br>1<br>2<br>1        |          |              |  | (PTS) \$<br>00.5<br>6POS \$                      | 00.6   | 3.00                                  | OC.E         | 01'69) \$<br>00'E                                 | 2 10934<br>200 (<br>3 10938                      | DO: E  | 00.E        | orre            |              | ES.EZE S   | 95'822' \$                                       | 00 00€ \$<br>00°€                     | 00 00 £ \$   | 3.00         | Casts Rea<br>transparently plant, and dynamic LLD.  205/2 (10520 S.E.)  Rejing Arthur Ar   |  |
| P9 T09   S   P9  |  | 19 TO9   5<br>  36 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99'8   5<br>  37 T99   | 1<br>1<br>2<br>1<br>2<br>1<br>2<br>1        |          |              |  | (PTS) \$<br>00.5<br>6POS \$                      | ZSTRT \$                                       | 3.00                                  | OC.E         | 01.64 2<br>00.64 2                                | 200  | DO: E  | 00.2        | orre            |              | ES.EZE S   | 95'EEZ \$  | 00°00€ \$                             | 00 00 £ \$   | 3,00         | Catal Real  catal Real  teamagemank plane has Alla Agesta LL b  asset lessen S CL b  asset lessen S CL b  depth 300 M s M s M s M s M s M s M s M s M s M  |  |
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|                |  | ATTACHMENT E                              |                    |   |   |
|----------------|--|---|--------------------|---|---|
|                |  | BUDGET SUMMARY (REIMBURSABLES             | )                  |   |   |
| Pa             | m Beach County Water Utilities Department            |   |                    |   |   |
| Co             | ntract for Consulting/Professional Services SOUTH CO | INTV PECI AIMED WATER TRANSMISSION DIRE   | UNIC BUREES        |   |   |
| Re             | solution No. Contract Dated                          | THE CHAPLE WATER TRANSPOSSION PIPE        | LINE - PRASE 2     |   | <u> </u>  |
|                | nsultant Services Authorization No.: 1               |   |                    |   |   |
|                | nsultant: Chen Moore and Associates, Inc.            |   |                    |   |   |
| Pro            | ject Title: SOUTH COUNTY RECLAIMED WATER TRAN        | SMISSION PIPELINE PHASE 2                 |                    | <del></del>                             |   |
| PB             | CWUD Project No.: 23-053                             |   |                    |   |   |
| and the second | Task Name  | Reimbursable Description                  | Projected Quantity | Unit Cost                               | Project Cost  |
| ASK 1          | Project Management and Coordination                  | 8.5x11 Print (color)                      | 0                  | \$1.00                                  | \$0.00  |
|                |  | Bond Copies/Black Line/Blueprints (22x34) | 10                 | \$3.00                                  | \$30.00   |
|                |  |   |                    |   | \$0.00  |
|                | Total Task 1   |   |                    | *************************************** | \$30.00   |
|                |  |   |                    |   | ,   |
| FASK 2         | Field Services                                       | 8.5x11 Print (color)                      |                    | \$1.00                                  | 60.00   |
|                |  | Bond Copies/Black Line/Blueprints (22x34) | 16                 | \$3.00                                  | \$0.00  |
|                |  | Bond Copies/Black line/Blueprints (11x17) | 160                | \$3.00                                  | \$48.00<br>\$48.00                                    |
|                |  | Mileage (\$/mi GSA Rate)                  | 200                | \$0.655                                 |   |
|                |  | MOT                                       | 1                  | \$43,319.410                            | \$131.00<br>\$43,319.41                               |
|                | Total Task 2   |   | +                  | 343,313.410                             | ·· <del> </del> · · · · · · · · · · · · · · · · · · · |
|                |  |   |                    |   | \$43,546.41   |
| ASK 3          | Preliminary Design                                   | 8.5x11 Print (color)                      | 240                | \$1.00                                  | \$240.00  |
|                |  | Bond Copies/Black line/Blueprints (11x17) | 160                | \$0.30                                  | \$48.00   |
|                |  |   |                    | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 945.00  |
|                | Total Task 3   |   |                    |   | \$288.00  |
|                |  |   |                    |   | 7200.00   |
| ASK 4          | Detailed Design                                      | 8.5x11 Print (color)                      | 400                | \$1.00                                  | \$400.00  |
|                |  | Bond Copies/Black Line/Blueprints (22x34) | 400                | \$3.00                                  | \$1,200.00  |
|                |  |   |                    | *                                       | 72,200.00   |
|                | Total Task 4   |   |                    |   | \$1,600.00  |
|                |  |   |                    |   |   |
| ASK 5          | Permitting Services                                  | Bond Copies/Black line/Blueprints (22x34) | 200                | \$3.00                                  | \$600.00  |
|                |  | Permit fees                               | 1                  | \$3,000.00                              | \$3,000.00  |
|                |  |   |                    |   |   |
|                | Total Task 5   |   |                    |   | \$3,600.00  |
| ASK 6          | Pidding Comment                                      |   |                    |   |   |
| M3N D          | Bidding Support                                      | Bond Copies/Black Line/Blueprints (22x34) | 800                | \$3.00                                  | \$2,400.00  |
|                |  | Bond Copies/Black line/Blueprints (11x17) | 400                | \$0.30                                  | \$120.00  |
|                | T-1-17   |   |                    |   | \$0.00  |
|                | Total Task 6   |   |                    |   | \$2,520.00  |
| ASK 7          | Outfall Design and Permitting                        |   |                    |   |   |
| D21/           | Annua Design and Lettinffing                         |   |                    |   | \$0.00  |
|                |  |   |                    |   | \$0.00  |
|                | Total Task 7   |   |                    |   | \$0.00  |
| ··             | Total Task 7   |   |                    |   | \$0.00  |
| ROJECT 1       | OTAL   | ****                                      |                    |   | <b></b>   |
|                |  |   |                    |   | \$51,584.410  |

Chen Moore and Associates, Inc.

Revised 12/20/2022

# ATTACHMENT E SUBCONSULTANT PROPOSALS



1475 Centrepark Boulevard, Suite 210 West Palm Beach, FL 33401 Tel: 561.684.3456

Fax: 561.684.9902

# Palm Beach County Water Utilities Department Subcontract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE II

Subconsultant: Brown and Caldwell, Inc.

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE SEQUENCE 2

This document provides the Scope of Work for Brown and Caldwell, Inc. for the above referenced project.

#### **BACKGROUND**

On April 5, 2016, the Board of County Commissioners (BCC) approved an Interlocal Agreement Between Palm Beach County and Broward County Related to the Construction, Ownership, Operation, and Maintenance of a Regional Reclaimed Water System (Agreement) to deliver reclaimed water from Broward County's northern wastewater treatment plant to the Water Utilities Department (PBCWUD) service area (R2016-0470). The First Amendment to the Agreement was approved by the BCC on August 15, 2017 (R2017-1052).

Phase 1 has been divided into three (3) segments. Phase 1A is completing construction, Phase 1B and Phase 1C are under design. Phase 2 design will be performed under this Consultant Services Authorization (CSA) and will connect Phase 1A to Phase 1B and connect Phase 1B to the Mandatory Reclaim Service Area (MRSA) with 24-inch pipelines. This includes a pump station to allow the reclaimed water to maintain adequate pressures when approaching the MRSA

This Scope of Services includes the work to be provided by Brown and Caldwell, Inc (SUBCONSULTANT) to Chen-Moore and Associates, Inc. (CONSULTANT).

#### **SCOPE OF SERVICES**

SUBCONSULTANT shall perform the engineering Scope of Services as described herein. The proposed services will include the following tasks:

- Project Management and Coordination
- Field Services
- Preliminary Design Services
- Detailed Design Services
- Permitting Services
- Bidding Support Services



# Task 1. Project Management and Coordination

The purpose of this task is to sustain project activities required as part of the administrative and management elements of the project, such as invoicing, project planning, meetings, including review and coordination meetings, quality control activities, and other informal meetings.

- **1.1. Kickoff Meeting** The SUBCONSULTANT shall attend the Kickoff Meeting with PBCWUD and the CONSULTANT.
- **1.2.** Coordination and General Correspondence The SUBCONSULTANT shall perform limited project coordination and general correspondence related to pump station and the process-mechanical discipline.
- 1.3. Progress Meetings The SUBCONSULTANT shall attend up to six (6) virtual progress meetings and review meetings. Agendas and minutes to be prepared by others.

#### Task 2. Field Services

The SUBCONSULTANT shall perform the following field investigations.

### 2.1. Records Review, Site Investigation and Photo Study

The SUBCONSULTANT shall conduct site visits to document field conditions at the pump station location. Coordination required to select and access the locations shall be provided by PBCWUD. The site investigation shall include the following sub-tasks:

- 2.1.1. Review of record drawings and previous studies The SUBCONSULTANT will review record drawings and previous studies made available to it by PBCWUD.
- **2.1.2.** Review of plans prepared by others adjacent to the project area (GL Homes) The SUBCONSULTANT will review plans (prepared by others) and made available to it by PBCWUD adjacent to proposed pump station locations.
- 2.1.3. Site visit

  The SUBCONSULTANT will attend up to two (2), 4-hour site visits to the proposed pump station inclusive of travel time.
- 2.1.4. Prepare Technical Memo of Field Records Research Prepare field notes recording field observations for distribution to the CONSULTANT for incorporation into the Technical Memorandum of Field Research.
- 2.1.5. Chlorine Testing and Analysis CONSULTANT will prepare a one-page sampling and testing protocol to perform analytical testing of Broward County (and potentially PBCWUD SRWRF) reclaimed water to determine the performance of the chlorine residual over time. PBCWUD will be responsible for sample collection (including coordination with Broward County) and testing of the reclaimed



water samples in accordance with the sampling and testing protocol. The CONSULTANT will review and interpret the results provided by PBCWUD and prepare a presentation summarizing the findings. CONSULTANT will meet with PBCWUD staff to present the findings and discuss PBCWUDs experience with managing water quality and associated maintenance requirements within its existing system. PBCWUD will prepare and furnish (prior to the meeting) background documentation of residual profiles and water quality induced system maintenance required in its existing MRWSA. The purpose of the meeting is two-fold: (i) to present the findings of the analysis and (ii) to gain a consensus regarding the anticipated benefits/need from incorporating the capability to boost chlorine residual at the proposed PS. The CONSULTANT will prepare an agenda, presentation (as mention previously) and minutes for this meeting.

# 2.2. Subsurface Utility Engineering (SUE)

Scope of work under this is assumed to be provided by others.

#### 2.3. Geotechnical Investigation

- 2.3.1. Palm Beach County and FDOT Right-of-Way Permitting
  The scope of work for this subtask assumed to be provided by others.
- 2.3.2. Soil Borings and Geotechnical Testing

The SUBCONSULTANT will review the Geotechnical Data Report, prepared by others, for it's completeness against the scope and requirements of the project.

# 2.4. Survey

- 2.4.1. Route Survey
  - Scope of work for this subtask assumed to be provided by others.
- **2.4.2.** Topographical Survey
  - Scope of work for this subtask assumed to be provided by others.
- **2.4.3.** Pump Station Boundary and Topographical Survey
  The SUBCONSULTANT will review the survey, for completeness only, prepared by others.
- **2.4.4.** Preparation of Sketch and Legal Descriptions for easements as needed Scope of work for this subtask assumed to be provided by others.
- 2.4.5. Maintenance of Traffic Scope of work for this subtask assumed to be provided by others.

#### Task 3. Preliminary Design



The objective of this task is to prepare a preliminary set of design criteria and obtain consensus from PBCWUD before commencing detailed design.

# 3.1 Outfall Operational Review

Some outfalls are in place for customers within the Mandatory Reuse Supply Area (MRSA), however no reclaimed water is available, so the outfalls do not operate. With the implementation of this project, these outfalls will have a source of reclaimed water. This task consists of a review of six (6) outfall locations to determine their suitability for operation.

# 3.1.1 Site visit to each location, with PBCWUD

Scope of work for this subtask assumed to be provided by others.

# 3.1.2 Review permit conditions for each outfall

The SUBCONSULTANT will review permit conditions for up to six (6) outfall locations (detailed above). Permits for the six (6) outfalls shall be made readily available to the SUBCONSULTANT by PBCWUD.

3.1.3 Review available records to determine the infrastructure in place to each outfall Scope of work for this subtask assumed to be provided by others.

## 3.1.4 Prepare Technical Memorandum

The SUBCONSULTANT will review the Technical Memorandum prepared by others under this task for incorporation and coordination with the Pump Station design requirements.

# 32 Pump Station Basis of Design Report and 10% Design

The SUBCONSULTANT shall assist the CONSULTANT to coordinate the preparation of the following.

# 321 Pump Station Basis of Design Report and 10% Design

The SUBCONSULTANT will prepare a draft Basis of Design Report (BODR) for the Process-Mechanical discipline including conceptual (10%) design. The BODR will include the following sections:

- High-level description of proposed pump station components and systems
- Technical description of the proposed Process-Mechanical discipline improvements
- Preliminary operational plan
- Preliminary Process-Mechanical plan views and layouts (10% design level)



- Develop a Class V Opinion of Probable Construction Cost prepared by the SUBCONSULTANT to outline the cost for the pump station facilities.
- Develop overall construction schedule in MS Project.

SUBCONSULTANT will complete technical evaluations for various components of the project to be documented in the draft BODR including:

- Hydraulic Analyses
  - O Hydraulic evaluations will be conducted for each of the primary project components to perform sizing confirmation of major piping and development of system head curves for preliminary pumping equipment selection. A surge analysis shall also be performed on the existing reclaimed distribution system to define design pressure requirements and make recommendations for appropriate surge control measures. Pumping in both directions will be considered, if required.
- Electrical Evaluation
  - o Scope of work for this evaluation assumed to be provided by others.
- Control Strategy Development
  - Scope of work for this evaluation assumed to be provided by others, including control in line with the outfalls and Broward Pump Station.
- Building-Mechanical (HVAC, plumbing, fire protection)
  - o Scope of work for this evaluation assumed to be provided by others.
- Architectural
  - Scope of work for this evaluation assumed to be provided by others.
- Civil
  - o Scope of work for this evaluation assumed to be provided by others.
- Project Permitting Plan
  - Scope of work for this evaluation assumed to be provided by others.
- Interdisciplinary Coordination
  - The SUBCONSULTANT will perform interdisciplinary coordination related to the pump station and process mechanical improvements.

# 3.3 30% Pipeline Design Plan Preparation

Scope under this subtask will be completed by others.



## 34 30% Pump Station Design Plan Preparation

SUBCONSULTANT will compile a 30% submittal:

- Finalize BODR based on comments received. Assumes SUBCONSULTANT will directly respond to comments related to the process-mechanical discipline. Responses to comments related to disciplines other than process-mechanical will be by others. The SUBCONSULTANT will compile the responses and transmit to the CONSULTANT.
- Prepare preliminary layouts for the proposed facilities, including a plan and section views for proposed process-mechanical discipline improvements for the pump station.
- Prepare preliminary site plan (by others)
- Prepare preliminary P&IDs for pumping equipment, piping, valves and instruments (by others).
- · Perform preliminary design calculations for pumping equipment.
- Electrical evaluation and single line diagrams (by others).
- Preliminary control and flow management strategies (by others).
- Perform interdisciplinary coordination related to the pump station and process-mechanical improvements.
- Develop 30% drawings in accordance with the drawing list included as attached to this scope of services.
- Develop preliminary list of process-mechanical discipline specifications.
- Develop a Class IV Opinion of Probable Construction Cost prepared by the SUBCONSULTANT to outline the cost for the pump station facilities.
- The SUBCONSULTANT shall participate in one (1) design review meeting with PBCWUD staff and the CONSULTANT.

# Task 4: Detailed Design Services

# 4.1 60% Pump Station Design Submittal

Based on review comments from PBCWUD staff the SUBCONSULTANT shall prepare pump station design drawings for the 60% submittal in accordance with the drawing list included as attached to this scope of services.

The 60% submittal will also include draft Technical Specifications associated with the process-mechanical discipline and the pump station. The 60% Design Plan submittal



will also include a Class III Opinion of Probable Construction Cost prepared by the SUBCONSULTANT to outline the cost for the pump station facilities. The SUBCONSULTANT shall participate in one (1) review meeting with PBCWUD staff.

## 4.2 90% Pipeline Design Submittal

Scope of work for this subtask assumed to be provided by others.

#### 43 90% Pump Station Design Submittal

Based on review comments from PBCWUD staff the SUBCONSULTANT shall prepare pump station design drawings for the 90% submittal in accordance with the drawing list included as attached to this scope of services.

The 90% submittal will also include draft sections of the Technical Specifications associated with the process-mechanical discipline and the pump station. The 90% Design Plan submittal will also include a Class II Opinion of Probable Construction Cost prepared by the SUBCONSULTANT to outline the cost for the pump station facilities. The SUBCONSULTANT shall participate in one (1) review meeting with PBCWUD staff and the CONSULTANT.

#### 4.4 100% Pipeline Design Submittal

Scope of work for this subtask assumed to be provided by others.

#### 4.5 100% Pump Station Design Submittal –

Based on review comments from PBCWUD staff the SUBCONSULTANT shall prepare pump station design drawings for the 100% submittal in accordance with the drawing list included as attached to this scope of services.

The 100% submittal will also include sections of the Technical Specifications associated with the process-mechanical discipline and the pump station.

## Task 5: Pipeline Permitting Services

#### 5.1 Permitting for Roadway Impacts (PBC Land Development)

Scope of work for this subtask assumed to be provided by others.

# 5.2 Permitting for Roadway Impacts (FDOT)

Scope of work for this subtask assumed to be provided by others.

# 5.3 Permitting with Lake Worth Drainage District

Scope of work for this subtask assumed to be provided by others.

# 5.4 Pump Station Permitting Services



**5.4.4** The SUBCONSULTANT shall provide responses to Palm Beach County Building Department permit review comments related to the Process-Mechanical discipline design. Coordination of all other Pump Station related permitting efforts will be provided by others.

## Task 6: Bidding Support Services

Upon completion of the permitting phase, PBCWUD shall conduct the bid process and the SUBCONSULTANT shall provide bid support services to PBCWUD that shall include the following as related to the Pump Station design:

- Review and respond to requests for additional information related to the processmechanical discipline at the pump station; draft addendum(s) (up to three (3) assumed) to the bid documents if necessary.
- Preparation of conformed drawings and technical specifications related to the process-mechanical discipline at the pump station.



# Task 7: Outfall Design and Permitting

Scope of work for this subtask assumed to be provided by others.

#### ASSUMPTIONS/EXCEPTIONS

### **Project Management**

- SUBCONSULTANT will attend the meetings described in Task 1 of this scope.
   Preparation of agendas, meeting minutes is excluded from this scope.
- It is assumed the SUBCONSULTANT will submit 30%, 60%, 90%, 100%, Issue for Bid and Conformed documentation to the CONSULTANT. The CONSULTANT is responsible for compilation of deliverables and transmitting to PBCWUD.
- It is assumed the SUBCONSULTANT will assemble and collate the pump station package from partner subconsultants and transmit to CONSULTANT. The CONSULTANT will transmit to PBCWUD. The CONSULTANT is responsible for the partner subconsultants to meet the required project schedule.
- All review comments for each design deliverable shall be coordinated by the PBCWUD PM and conveyed to the CONSULTANT and SUBCONSULTANT in a single consolidated list.
- It is assumed that PBCWUD will provide review comments within 14 calendar days of receiving design submittals.

#### **Document Production**

- SUBCONSULTANT will provide an electronic copy of all deliverables. All paper reproduction shall be by CONSULTANT.
- Design drawings shall be prepared on 22" by 34" paper or half size paper (11 x 17").
- The CONSULTANT shall provide electronic files for deliverables in native file format (for example: .docx, .xlsx, .pptx, .dwg, etc.) and in PDF file format.
- SUBCONSULTANT and CONSULTANT's subconsultants will be performed using
  Autodesk software platforms, 2022 versions (AutoCAD, Revit and Civil 3D). These tools
  will be used in the development of a building information management (BIM) model
  (LOD 300) for the proposed improvements that is intended only for the support of
  design (including clash detection) and not intended to be used by the contractor for bid
  purposes or construction support purposes, such as quantity takeoffs or shop drawing
  development. The CONSULTANT's structural and electrical subconsultant(s) shall
  perform their design in Autodesk Revit 2023 version.

#### Management of Other Subconsultants

- It is assumed the SUBCONSULTANT will only enter into a subconsultant agreement with CMA. The SUBCONSULTANT not enter into other subconsultant agreements for other team members in the execution of this scope of work.
- The CONSULTANT's other subconsultants as listed in the responsibility matrix shall meet the schedule requirements of the project.
- The CONSULTANT's other subconsultants as listed in the responsibility matrix shall meet industry accepted standards for completeness for design deliverables.



 The SUBCONSULTANT will perform interdisciplinary coordination, the SUBCONSULTANT excludes quality reviews of the CONSULTANT's subconsultants work products.

## Field Investigations

- It is assumed that the geotechnical investigations conducted by others will meet the needs of the SUBCONSULTANT for design. The SUBCONSULTANT has a right to rely on the geotechnical information provided by others.
- It is assumed the SUE conducted by others will meet the needs of the SUBCONSULTANT for design. The SUBCONSULTANT has a right to rely on the SUE information provided by others.
- It is assumed the survey conducted by others will meet the needs of the SUBCONSULTANT for design. The SUBCONSULTANT has a right to rely on the survey information provided by others.

#### Technical - General

- It is assumed the pump station portion of the project will be bid as lump sum with no more than ten (10) bid items.
- Assessment of options is limited to the number of pumps to meet the required duty. It is assumed that alternative evaluations will provide qualitative cost information only and will not include estimates developed by the SUBCONSULTANT.
- Water age and water quality modeling is excluded from the SUBCONSULTANT'S scope.
- Hydrogeological analysis of groundwater conditions and design of monitoring wells is not included.
- Design of water quality monitoring features is not included.
- The targeting of subsurface utilities, although highly reliable, is expressly understood to represent an approximate location of the target facility as marked on the ground surface. The accuracy of this targeting is subject to certain factors beyond the SUBCONSULTANT's control such as limitations of available technology and field conditions that may include, but are not limited to: depth of utility, electrical conductivity of utility, site conditions and access.
- The CONSULTANT shall satisfy applicable requirements from the latest edition of PBCWUD's Minimum Design and Construction Standards for Potable Water, Reclaimed Water and Wastewater Systems document.
- Pump station assumes the following: chemical feed system but no provisions for future expansion of the chemical feed system, horizontal centrifugal pumps, a proposed concrete masonry unit (CMU) building to house the pumps and electrical equipment, provision for the future addition of one (1) pump, no provision for office/occupied space, restroom(s), laboratory or breakroom and no provision for a backup power generator.

# Technical - Connection to Broward County Pump Stations and Outfalls

 Automation/controls of each outfall shall match the functionality of the existing system. PBCWUD shall furnish written functional descriptions, block diagrams and other available documentation of existing system architecture as well as any special requirements associated with the management of data to be incorporated.



- PBCWUD shall furnish all applicable standards/details and preferences pertaining to the design of outfall, instrumentation, monitoring well and related systems.
- The outfall design assumes all meters/valves/sensors/electrical and telemetry
  equipment will be installed above ground and will be based on the PBCWUD Standard
  Details. No provision will be provided for energy dissipation structures that would
  permit high velocity system flushes, installation of equipment in sealed vaults, or other
  deviation from standard approved configurations.
- Design of lake aeration systems are not included.
- It is assumed that PBCWUD has or will develop protocols and functional descriptions for the integration of the proposed pump station with the Broward County pump station. Development of such protocols is excluded from the SUBCONSULTANT'S scope of services.

#### Permitting

- It is assumed that permits and permit information for the six (6) outfalls shall be furnished to the SUBCONSULTANT by PBCWUD.
- All permitting fees will be provided by PBCWUD.
- It is assumed that the 100% design deliverable will be submitted to Palm Beach Planning Zoning & Building (PZB) for review and approval. As necessary, comments from PZB will be incorporated into individual drawings for resubmittal to PZB for those drawings prepared by the SUBCONSULTANT only.

#### **Bidding**

• It is assumed that PBCWUD will prepare the project front end bid documents and Division 01 technical specifications will be prepared by others.

#### General

- Construction phase support services (i.e. engineering services during construction) are not included, but will be authorized, where required, as part of a separate authorization.
- Tasks not included in this scope of services are as follows:
  - Environmental site assessments are excluded from this scope of services.
  - Design of special foundations and pile systems, pipe supports, support of excavation systems.
  - Development of isometric piping drawings for pipe spool fabrication.
  - · Design of any temporary works.
  - · Easement acquisitions.
  - · Artistic renderings, models, or mock-ups.
  - · Permitting, permitting costs, permit application preparation.
  - FEMA and Endangered Species studies and submittals
  - Section 106 and cultural resource studies and documents.
  - NEPA process documentation and submittals.
  - · Floodplain studies.
  - · Preparation of a cost-loaded design schedule.
  - Field engineering.
  - Construction means and methods.
  - · Performance of construction.
  - · Permitting, addressing, removing, transporting, or any other measures related



to managing hazardous materials should they be determined to be present. Hazardous materials surveys.

- Geotechnical evaluations
- Dewatering system design



# Reclaimed Pump Station Responsibility Matrix

The following is the responsibility matrix for the pump station design used as a basis for this scope development.

| Services                            | Responsible Firm   | BODR  | 30%   | 60%  | 90%  | 100% Permit Set  | Permitting Process  | Bid Set  | Bidding  |
|-------------------------------------|--|---|---|--|--|--|---|--|--|
| Design Mgt & Coord.                 | Brown & Caldwell (BC)  | BC compiles for pump station  | BC compiles for pump station                                | BC compiles for<br>pump station  | BC compiles for pump station   | CMA will come in<br>if packages<br>combine in one bid<br>package   | CMA lead<br>permitting, BC proc-<br>mech only   | CMA lead<br>bidding, BC proc-<br>mech only   | CMA lead bidding,<br>BC proc-mech only   |
| Quality Mgt                         | Brown & Caldwell (BC)  | Send out QC does<br>and maintain log for<br>pump station                                    | Send out QC docs<br>and maintain log<br>for pump station    | Send out QC docs<br>and maintain log for<br>pump station                           | Send out QC docs<br>and maintain log for<br>pump station                           | N/A  | N/A   | N/A  | N/A  |
| Health and Safety Plan              | Chen Moore & Associates (CMA)  | Develop HASP  | Maintain field work forms                                   | Maintain field work forms  | Maintain field work forms  | Maintain field work forms  | Maintain field work forms   |  | N/A  |
| BIM Lead*                           | Brown & Caldwell (BC), CMA to<br>provide BIM info "ctb file", and<br>coordinate with BC on standards | BIM Execution Plan,<br>dwg list mgt setup,<br>set up PW system,<br>set up drawing<br>border | Develop dwg list,<br>compile sets for QC<br>and deliverable | Archive 30%, update<br>dwg list, border,<br>compile sets for QC<br>and deliverable | Archive 60%, update<br>dwg list, border,<br>compile sets for QC<br>and deliverable | Archive 90%,<br>update dwg list,<br>border, compile sets<br>for QC and<br>deliverable, manage<br>electronic stamping | Archive 100%,<br>update dwg list,<br>border, compile sets,<br>manage electronic<br>stamping | Archive permitting process, update border, deliverable, manage electronic stamping | Compile set, manage<br>electronic stamping,<br>update dwgs for<br>addenda and<br>conformed |
| OPCC                                | Brown & Caldwell (BC)  | Class V   | Class IV  | Class III  | Class II   | N/A  | N/A   | N/A  | N/A  |
| Construction Schedule               | Brown & Caldwell (BC)  | MS Project  | None  | None   | None   | None   | None  | None   | none   |
| Permitting                          | Chen Moore & Associates (CMA)  | Permitting Plan   | Update Permitting<br>Plan                                   | Update Permitting<br>Plan  | Update Permitting<br>Plan  | Submit 100% for permitting   | Manage responses to<br>permitting<br>comments   |  | Include permit<br>details in bid set   |
| Geotech                             | Pacifica Engineering Services (PES)  | Borings, draft<br>Geotech report  | Final Geotech<br>report                                     |  |  |  |   |  |  |
| SUE                                 | Barnes, Ferland & Associates   | SUE reports   |   |  |  |  |   |  |  |
| Survey                              | Keshavarz & Associates (K&A)   | Draft Survey  | Final Survey  |  |  |  |   |  |  |
| General Sheets (cover, sheet index) | Brown & Caldwell (BC)  | N/A for Report  | 30% drawings,<br>calculations, spec<br>list                 | Final BODR text,<br>60% drawings,<br>calculations, draft                           | 90% drawings, cales, specs   | Signed and sealed<br>drawings, cales,<br>specs   | Respond to permit<br>comments, update<br>drawings and specs                                 | Signed and sealed drawings, cales,   | Bid set, addenda,<br>RFI responses,  |
| Civil and Yard Piping               | HBC Engineering Company (HBC)  |   | nst   | specs  |  | specs  | utawings and specs  | specs  | conformed set  |
| Proc-mech                           | Brown & Caldwell (BC)  |   |   | 5,000  |  |  |   |  |  |
| Structural                          | Engineered Design Services (EDS)   |   |   |  |  |  |   |  |  |
| Architectural                       | PGAL, Inc.   |   |   |  |  |  |   |  |  |
| Electrical Electrical               | Engineered Design Services (EDS)   | _   |   |  |  |  |   |  |  |
| Electrical                          | C&W Engineering (C&W)  | _   |   |  |  |  |   |  |  |
| 1&C                                 | Hillers Electrical Engineering (HEE)   |   |   |  |  |  |   |  |  |
| HVAC                                | C&W Engineering (C&W)  |   |   |  |  |  |   |  |  |
| Plumbing                            | C&W Engineering (C&W)  |   |   |  |  |  |   |  |  |
| Fire Protection                     | C&W Engineering (C&W)  |   |   |  |  |  |   |  |  |
| Landscape Arch,                     | Chen Moore & Associates (CMA)  |   |   |  |  |  |   |  |  |



# **Preliminary Drawing List:**

| GENERAL<br>G-00-1001<br>G-00-1002<br>G-00-1003 | COVER & VICINITY MAP SHEET INDEX 1 SHEET INDEX 2                                      |
|--|---|
| G-00-1004<br>G-00-1702                         | SYMBOLS AND LEGENDS PROCESS FLOW DIAGRAM - PHASE 1                                    |
| G-00-1703                                      | PROCESS FLOW DIAGRAM - PHASE 2  |
| G-00-1704                                      | HYDRAULIC PROFILE   |
| G-10-1201                                      | CONSTRUCTION AREA, LAYDOWN, STORAGE AND SITE ACCESS -                                 |
| OVERALL SI                                     | TE PLAN   |
| G-10-1202                                      | CONSTRUCTION SEQUENCING 1   |
| G-30-2901                                      | PUMP STATION - 3D VIEWS   |
| D-00-1001                                      | GENERAL NOTES   |
| D-00-1002                                      | SYMBOLS   |
| D-00-2101                                      | SITE - KEY PLAN   |
| D-30-2101                                      | PUMP STATION - OVERALL PLAN   |
| D-30-2103<br>D-30-2201                         | PUMP STATION - PUMP ROOM PLAN   |
| D-30-2201<br>D-30-2202                         | PUMP STATION BRIDGE CRANE - PLAN, SECTIONS AND DETAILS PUMP STATION - ENLARGED PLAN 1 |
| D-30-2202<br>D-30-2203                         | PUMP STATION - ENLARGED PLAN 1 PUMP STATION - ENLARGED PLAN 2                         |
| D-30-2204                                      | PUMP STATION - ENLARGED PLAN 3  |
| D-30-2205                                      | PUMP STATION - ENLARGED PLAN 4  |
| D-30-2301                                      | PUMP STATION - SECTIONS 1   |
| D-30-2302                                      | PUMP STATION - SECTIONS 2   |
| D-30-2303                                      | PUMP STATION - SECTIONS 3   |
| D-30-2304                                      | PUMP STATION - SECTIONS 4   |
| D-30-2801                                      | PUMP STATION - GATE DETAILS   |
| D-30-2802                                      | PUMP STATION - SEAL WATER SYSTEM DETAILS  |
| D-30-3001                                      | CHEMICAL STORAGE FACILITIES - PLAN  |
| D-30-3002                                      | CHEMICAL STORAGE FACILITIES - DETAILS   |
| D-30-3003                                      | CHEMICAL STORAGE FACILITIES - PUMP SECTIONS   |
| D-30-3004                                      | CHEMICAL STORAGE FACILITIES - ISOMETRICS  |
| D-30-3005                                      | CHEMICAL STORAGE FACILITIES - TANK NO.1 PLAN AND SECTION                              |
| D-30-3006                                      | CHEMICAL STORAGE FACILITIES - TANK NO.2 PLAN AND SECTION                              |
| D-80-2101                                      | SURGE PROTECTION SYSTEM - PLAN  |
| D-80-2301                                      | SURGE PROTECTION SYSTEM SECTIONS  |
| D-99-1801<br>D-99-1802                         | TYPICAL DETAILS 1 - PIPE PENETRATIONS   |
| D-99-1803                                      | TYPICAL DETAILS 2 - PIPE SUPPORTS 1 TYPICAL DETAILS 3 - PIPE SUPPORTS 2               |
| D-99-1804                                      | TYPICAL DETAILS 3 - PIPE SUPPORTS 2  TYPICAL DETAILS 4 - MISC 1                       |
| D-99-1805                                      | TYPICAL DETAILS 4 - MISC 2  |
| D-99-1806                                      | TYPICAL DETAILS 5 - MISC 3  |
| =  |   |



February 16, 2024

BFA Project No. 2023-22

Ms. Daniela Martinat, PE Project Engineer Chen Moore and Associates 500 S Australian Ave, Suite 850 West Palm Beach, FL 33401

Subject: PBCWUD 22-033 South County Reclaimed Water Transmission Pipeline Phase 2

**Revised Scope and Fee Proposal** 

Dear Daniela:

Attached for your consideration is BFA's scope and fee proposal to provide Subsurface Utility Engineering (SUE) services for the above referenced project.

BFA's scope of services is provided as Attachment A and our total not to exceed fee to provide the requested services for the project is \$15,284.40. A cost breakdown is provided as Attachment E Budget Summary. We appreciate the opportunity to assist CMA on this important project for the PBCWUD.

Sincerely,

Willie Thomas, PE

Willie E. Thomas

President

Attachments

1230 Hillcrest Street, Suite 100 • Orlando, Florida 32803 Office (407) 896-8608 • Fax (407) 896-1822

#### **ATTACHMENT A**

#### SCOPE OF SERVICES

Project Title: South County Reclaimed Water Transmission Pipeline Phase 2

PBCWUD Project No.: 22-033

#### **BACKGROUND**

On April 5, 2016, the Board of County Commissioners (BCC) approved an Interlocal Agreement Between Palm Beach County and Broward County Related to the Construction, Ownership, Operation, and Maintenance of a Regional Reclaimed Water System (Agreement) to deliver reclaimed water from Broward County's northern wastewater treatment plant to the Palm Beach County Water Utilities Department (PBCWUD) service area (R2016-0470). The First Amendment to the Agreement was approved by the BCC on August 15, 2017 (R2017-1052).

Phase 1 has been divided into three (3) segments. Phase 1A is completing construction, Phase 1B and Phase 1C are under design. Phase 2 design will be performed under this Consultant Services Authorization (CSA) and will connect Phase 1A to Phase 1B and connect Phase 1B to the Mandatory Reclaim Service Area (MRSA) with 24-inch pipelines. This includes a pump station to allow the reclaimed water to maintain adequate pressures when approaching the MRSA.

#### **SCOPE OF SERVICES**

Barnes, Ferland and Associates, Inc. (BFA) shall perform the engineering Scope of Services as described herein. The proposed services will include the following tasks:

# Task 1. Project Management and Coordination

No BFA Services

# Task 2. Field Services

BFA shall perform field investigations necessary to determine the physical conditions of the pipeline route and discharge locations. This shall include subsurface utility engineering and survey.

# 2.1. Records Review, Site Investigation and Photo Study

No BFA Services

# 2.2. Subsurface Utility Engineering (SUE)

BFA shall identify locations of existing underground utilities within the right-of-way and pump station site that may be in conflict with the proposed design.

<u>2.2.1. Palm Beach County and Florida Department of Transportation Right-of-Way Permitting</u>
BFA shall coordinate with Palm Beach County Land Development (PBC Land Development) and the Florida Department of Transportation (FDOT) for the applicable right-of-way permit to allow for subsurface utility exploration within Palm Beach County rights-of-way.

#### 2.2.2. Level A - Potholes for Verification of Utility Locations

No BFA Services

#### 2.2.3. Level B - Scan and Sweep / Targeting

The CONSULTANT shall conduct a thorough electronic search of the site for the buried utility systems shown on records acquired and verify that each utility has been electronically located and targeted. Also, the CONSULTANT shall conduct an electronic grid sweep of the site to search for utilities that do not appear on available records and attempt to determine their type. This investigation shall be accomplished using active and passive type utility detection gear that detects induced or naturally occurring energy fields present on conductive utilities. This investigation includes a ground penetrating radar sweep. Where nonconductive or non-locatable utilities are present, the CONSULTANT shall attempt to use all available information to place targeting in the field for those systems and generate notes for each such utility.

Up to eight days of scanning / targeting has been included for this effort, which will be used to focus on complex locations within the corridor, such as intersections or potential major conflict locations.

## 2.2.4. Level C - Design Tickets and Records Research

No BFA Services

#### 2.3. Geotechnical Investigation

No BFA Services

# 2.4. Survey

No BFA Services

#### Task 2 Deliverables:

- Field Observation Notes: Letter sized Electronic PDF
- PBC Land Development Permitting Related Documents for SUE activities: Letter sized Electronic PDF
- FDOT Permitting Related Documents for SUE activities: Letter sized Electronic PDF

#### Task 3. Preliminary Design

No BFA Services

#### Task 4. Detailed Design

No BFA Services

# Task 5. Pipeline Permitting Services

No BFA Services

#### Task 6. Bidding Support

No BFA Services

#### Task 7. Outfall Design and Permitting

No BFA Services

#### ASSUMPTIONS

- 1. All permitting fees will be provided by PBCWUD.
- 2. The targeting of subsurface utilities, although highly reliable, is expressly understood to represent an approximate location of the target facility as marked on the ground surface. The accuracy of this targeting is subject to certain factors beyond the CONSULTANT's control such as limitations of available technology and field conditions that may include, but are not limited to: depth of utility, electrical conductivity of utility, site conditions and access.
- 3. BFA shall provide all electronic files for all deliverables in native file format (for example: .docx, .xlsx, .pptx, .dwg, etc.) and in PDF file format.
- 4. In the course of survey services for the design and construction effort, BFA may encounter situations which directly impact the project schedule or outcome. However, BFA, by the nature of the situation has no control of the outcome. As such, as long as reasonable attempts have been made by BFA, the outcome of these efforts, if unsuccessful, shall not be construed as BFA's failure or breach of the contract.

#### ATTACHMENT E BUDGET SUMMARY

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE II

Resolution No. Contract Dated
Consultant Services Authorization No.:
Consultant: <u>Barnes, Ferland & Associates</u>

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

PBCWUD Project No.: 22-033

|                |   |                              |                         |   | SUB T  | OTALS      |          |                      | ·              |    |            |                |                              |
|----------------|---|------------------------------|-------------------------|---|--------|------------|----------|----------------------|----------------|----|------------|----------------|------------------------------|
| Task<br>Number | Task Description  | Senior<br>Project<br>Manager | Project<br>Engineer III | Senior<br>Surveyor and<br>Mapper        | Survey | Technician |          | SUE 2 Person<br>Crew | Total<br>Hours |    | otal Labor | Total Expenses | <br>al Labor and<br>Expenses |
|                |   |                              |                         |   | 4      |            | _        |                      |                | _  |            |                |                              |
|                | Raw Rate >  |                              | \$ 40.00                | <u> </u>                                |        | 40.00      | \$       | 56.00                |                | ₩  |            |                | <br>                         |
|                | Multiplier >  | 2.82                         | 2.82                    | 2.82                                    |        | 82         | <u> </u> | 2.82                 |                | -  |            |                | <br>                         |
|                | Bill Rate >   | \$ 197.40                    | \$ 112.80               | \$ 174.84                               | >      | 112.80     | \$       | 157.92               |                | ₩  |            |                | <br>                         |
| TASK 2         | Field Services  |                              |                         |   |        |            |          |                      |                |    |            |                |                              |
|                | Subtask 2.2 - Subsurface Utility Engineering (SUE)              |                              |                         |   |        |            |          |                      |                |    |            |                |                              |
|                | 2.2.1: Palm Beach County and Florida Department of              |                              |                         | • |        |            | Г        |                      |                | †  |            |                |                              |
|                | Transportation Right-of-Way Permitting                          | 6                            | 15                      |   | 1      |            |          |                      | 21             | \$ | 2,876.40   |                | \$<br>2,876.40               |
|                | 2.2.2: Level A - Potholes for Verification of Utility Locations |                              |                         |   |        |            |          |                      | 0              | \$ | -          |                | \$<br>_                      |
|                | 2.2.3: Level B - Scan and Sweep / Targeting                     |                              |                         | 8                                       | 8      | 3          |          | 64                   | 80             | \$ | 12,408.00  |                | \$<br>12,408.00              |
|                | 2.2.4: Level C - Design Tickets and Records Research            |                              |                         |   |        |            |          |                      | 0              | \$ |            | \$ -           | \$<br>_                      |
|                | Task 2.2- Total   | 6                            | 15                      | 8                                       |        | 3          |          | 64                   | 101            | \$ | 15,284.40  | \$ -           | \$<br>15,284.40              |
|                | Task 2 - Subtotal   | 6                            | 15                      | 8                                       | 8      | 3          |          | 64                   | 101            | \$ | 15,284.40  | \$ -           | \$<br>15,284.40              |
|                |   |                              |                         |   |        |            |          |                      |                |    |            |                |                              |
|                | Labor Subtotal Hours  | 6                            | 15                      | 8                                       | 8      | 3          |          | 64                   | 101            |    | 101        |                | <br>                         |
|                | Labor Raw Costs   | \$ 70.00                     | \$ 40.00                | \$ 62.00                                | \$     | 40.00      | \$       | 56.00                |                |    |            |                |                              |
|                | Labor Subtotal (Bill Rate * Labor Subtotal Hours)               | \$ 1,184.40                  | \$ 1,692.00             | \$ 1,398.72                             | \$ 9   | 902.40     | \$       | 10,106.88            | 1,193          | \$ | 15,284.40  | :              |                              |
|                | PROJECT TOTAL   |                              |                         |   |        |            |          |                      | 101            | Ś  | 15,284.40  | Ġ.             | \$<br>15,284.40              |

## C & W engineering Inc.

Consulting Engineers - Electrical • HVAC • Plumbing

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

**REVISED** November 22, 2023

Suzanne Dombrowski, P.E. Chenmoore Consulting Engineers, Inc. 500 South Australian Avenue, suite 850 Jupiter, FL 33401

Subject: PBCWUD South County Reclaimed Transmission Pipeline Phase 2

HVAC/Plumbing/Fire Sprinkler **REVISED** Proposal C&W Ref. 237702 PBCWUD Project No. 22-033

#### Dear Suzanne:

I am pleased to submit this proposal for the above referenced project. We will provide HVAC, Fire Protection and Domestic Plumbing design for the proposed pump station building. We will provide a BODR, 30%, 60%, 90% and bid documents as described below.

#### **Task 1.1 Project Management**

CONSULTANT will participate in weekly meetings (Kickoff meeting will not be attended) (phone, virtually using zoom or MS Teams, or in person at a pre-determine location). Provide updates on progress and coordinate with the different disciplines to incorporate design elements into the BODR and later into the different design level milestone and prepare submittals. Included into the meetings is a site visit to the site when the design scope requires for design team to meet in the field.

#### Task 3.3 Pump Station Basis of Design Report and 10% Design

CONSULTANT will prepare a draft Basis of Design Report (BODR) including proposed options considered, conceptual (10%) design. The BODR will include the following sections:

Fire Protection system and proposed design meeting code requirements for this type

Of facility.

Plumbing for restrooms and breakroom areas, it includes Cold/Hot water distribution, And sanitary collection design to exit the building to system sewer.

HVAC for pump and electrical rooms with VFD and switchgear equipment

The electrical rooms may be partitioned into 4160V equipment and 480V and 120/208V Equipment – if necessary, HVAC cooling will be provided to separate rooms

HVAC ventilation for equipment and pump rooms

Any HVAC thermostat-controlled ventilation to the generator room; operates only while generator is off.

Once Draft is completed; we will attend one review meeting and provide final draft of the completed BODR.

#### Task 4.1 Pump Station 60% Design

CONSULTANT will prepare drawings and specifications for the equipment and mechanical and plumbing systems included with the proposed pump station building. The 60% design phase will provide the following:

Design Fire Protection riser and sprinkler layout based on the different pump station rooms. Proposed system shall include all elements of a modern fire protection system that is to be installed inside an unmanned facility.

Design Plumbing for the restrooms, including isometrics design of the plumbing, Cold/Hot water distribution, including sanitary collection design.

Provide condensate drainage collection as part of the HVAC design

Design HVAC cooling units for the Electrical rooms with VFD, MCC, and other 4160V and 480V equipment.

Design of HVAC system shall include duct work design, compressor and air handler details, controls, fire dampers in duct work as required

HVAC exhaust ventilation of pump rooms and other equipment not needing HVAC. Attend a review meeting and implement comments into next phase of design.

#### Task 4.3 Pump Station 60% Design

CONSULTANT will prepare drawings and specifications for the equipment and mechanical and plumbing systems included with the proposed pump station building. The 60% design phase will provide the following:

Design Fire Protection riser and sprinkler layout based on the different pump station rooms. Proposed system shall include all elements of a modern fire protection system that is to be installed inside an unmanned facility.

Design Plumbing for the restrooms, including isometrics design of the plumbing, Cold/Hot water distribution, including sanitary collection design.

Provide condensate drainage collection as part of the HVAC design.

Design HVAC cooling units for the Electrical rooms with VFD, MCC, and other 4160V

and 480V equipment.

Design of HVAC system shall include duct work design, compressor and air handler details, controls, fire dampers in duct work as required

HVAC exhaust ventilation of pump rooms and other equipment not needing HVAC. Attend a review meeting and implement comments into next phase of design.

#### Task 4.5 Pump Station 90% Design

CONSULTANT will prepare drawings and specifications for the equipment and mechanical and plumbing systems included with the proposed pump station building. The 90% design phase will provide the following:

Complete the design of the Fire Protection riser and sprinkler layout. Proposed system shall include all elements of a modern fire protection system that is to be installed inside an unmanned facility. Coordinate with the alarm system consultant.

Complete the Plumbing design for the restrooms, including isometrics design of the plumbing, also the cold/hot water distribution, and the sanitary collection design. Provide condensate drainage collection as part of the HVAC design.

Design HVAC cooling units for the Electrical rooms with VFD, MCC, and other 4160V and 480V equipment.

Design of HVAC system shall include duct work design, compressor and air handler sizing and mounting details, controls, fire dampers in duct work as required HVAC exhaust ventilation of pump rooms and other equipment not requiring HVAC. Attend a review meeting and implement comments into final phase of design.

#### Task 4.5 Pump Station 100% Design

CONSULTANT will complete in preparation for bidding and permitting final drawings and specifications for the equipment and mechanical and plumbing systems included with the proposed pump station building. The 100% design phase will provide the following:

Complete ready for bidding design of the Fire Protection riser and sprinkler layout. Proposed system shall include all elements of a modern fire protection system that is to be installed inside an unmanned facility. Coordinate with the alarm system consultant. Complete the Plumbing design for the restrooms, including isometrics design of the plumbing, also the cold/hot water distribution, and the sanitary collection design. Include the final condensate drainage collection and their location and drain. Design HVAC cooling units for the Electrical rooms with VFD, MCC, and other 4160V and 480V equipment.

Design of HVAC system shall include duct work design, compressor and air handler sizing and mounting details, controls, fire dampers in duct work as required

#### C&W Ref. 237702

HVAC exhaust ventilation of pump rooms and other equipment not requiring HVAC. Attend a review meeting and implement comments into final phase of design.

#### **DESIGN SERVICES**

Coordination

Chenmoore Consulting Engineers, Inc. Vendors

Field Investigations

Engineering

#### **Anticipated Drawings**

See Sheet Index for HVAC, Plumbing and Fire Protection drawing list.

Typical Plumbing, HVAC and Fire Protection Specifications

Provide documents for Review and Approval at the 60%, 90%, and 100% completion level.

We will attend (4) four review, including BODR, meetings and implement Owner comments into next submittal.

Prepare Opinion of Costs at the 60%, 90%, and 100% completion level.

Permitting Assistance Bid Assistance (if this project requires bidding), Response to Contractor Questions and the like.

#### **CONSTRUCTION PHASE SERVICES IS EXCLUDED**

| Task 1.1 Project Management | <b>\$ 27,416.00</b>                |
|-----------------------------|------------------------------------|
| Task 3.3 BODR               | \$ 1,596.02                        |
| Task 3.4 30% Pump Station   | \$ 12,417.03                       |
| Task 4.1 60% Pump Station   | \$ 21,902.09                       |
| Task 4.3 90% Pump Station   | \$ 24,116.09                       |
| Task 4.5 100% Pump Station  | \$ 13,292.53                       |
| Task 5.5 PERMITTING         | \$ 2,428.02                        |
| Task 6.1 BIDDING            | \$ 3,072.02                        |
| TOTAL FEE                   | \$ 106.347.94 Hourly not to Exceed |
|                             |                                    |

#### C&W Ref. 237702

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

Very truly yours,

C & W Engineering, Inc.

Michael Guida, P.E.

JLR/nl



## Proposal to: Chen Moore and Associates, Inc.

PBCWUD WUD 22-033—South County Reclaimed Water Transmission Pipeline Phase 2

Engineered Design Services LIC
Contact: Craig McKenzie, P. E.
craigmckenzie@edsengineers.com
(S61) 600-1776

October 6, 2023

Suzanne Dombrowski, P.E., ENV SP Office Leader/Principal Engineer Chen Moore and Associates 500 Australian Ave. South, Suite 850 West Palm Beach, FL 33401

RE: Proposal for WUD 22-033—South County Reclaimed Water Transmission Pipeline Phase 2

Dear Ms. Dombrowski:

Engineered Design Services (EDS) is pleased to support Chen Moore and Associates (CMA) on the electrical design scope of work for the lift station rehabilitation project for PBCWUD. As a sub-contractor to CMA, EDS proposes the following services.

#### **SCOPE OF SERVICES:**

Our proposed scope of services will include the following services :

#### Task 3 - Preliminary Design:

#### 3.2. Pump Station Basis of Design Report and 10% Design

CONSULTANT will prepare a draft Basis of Design Report (BODR) including proposed options considered, conceptual (10%) design. The BODR will include the following sections:

- Technical description of the improvements
- Coordination with Contractor and DWM regarding design criteria
- Functional description of proposed systems
- Preliminary operational plan
- Preliminary plan views and layouts (10% design level)

CONSULTANT will complete technical evaluations for various components of the project to be documented in the draft BODR including:

**Electrical Evaluation** 

The electrical service to the site will be evaluated, along with an initial assessment of electrical needs for the new pump station.

Structural Evaluation

A preliminary evaluation of the proposed pump house structure will be performed to determine design and code requirements, and arrangement of supported structures.

#### SCOPE OF SERVICES (CONTINUED):

#### 3.4. 30% Pump Station Design Plan Preparation

The CONSULTANT will complete a 30% submittal:

- Finalize Electrical and Structural sections of BODR based on comments received.
- Prepare preliminary layouts for the proposed Electrical and Structural components of facilities, including a
  preliminary site plan and plan and section views for the pump station.
- Perform preliminary design calculations for structural items.
- Prepare preliminary design for access control systems.
- Electrical evaluation and single line diagrams
- Develop 30% drawings in accordance with the drawing list included as Attachment XX to this scope of services
- Develop preliminary list of specifications

#### Task 4 - Detailed Design

The objective of this task is to prepare detailed design drawings, specifications and cost estimates to be used during permitting, bidding, and construction.

#### 4.1. 60% Pump Station Design Submittal

Based on review comments from PBCWUD staff, and additional field data from utility location and geotechnical investigation, the CONSULTANT shall prepare design drawings for the 60% Design Submittal in accordance with the Electrical and Structural drawing list included as Attachment X to this scope of services.

The 60% submittal will also include draft sections of the Technical Specifications associated with the pump station. The 60% Design Plan submittal will also include a Class III Opinion of Probable Construction Cost prepared by the CONSULTANT to outline the cost for all pipeline facilities. The CONSULTANT shall participate in one (1) review meeting with PBCWUD staff.

#### 4.3. 90% Pump Station Design Submittal

Based on review comments from PBCWUD staff the CONSULTANT shall prepare pump station design drawings for the 90% submittal in accordance with the Electrical and Structural drawing list included as Attachment XX to this scope of services. The 90% submittal will also include documentation associated with the Front-End specifications, Summary of Work, and Measurement and Payment for the Construction Documents, and draft of Electrical and Structural sections of the Technical Specifications. The 90% Design Plan submittal will also include a Class II Opinion of Probable Construction Cost prepared by the CONSULTANT to outline the cost for Electrical and Structural components of the pump station facilities. The CONSULTANT shall participate in one (1) review meeting with PBCWUD staff.

#### 4.5. 100% Pump Station Design Submittal

Based on review comments from PBCWUD staff the CONSULTANT shall prepare pump station Electrical and Structural design drawings for the 100% submittal in accordance with the drawing list included as Attachment XX to this scope of services. The 100% submittal will also include documentation associated with the Front End specifications, Summary of Work, and Measurement and Payment for the Construction Documents, and draft of Electrical and Structural sections of the Technical Specifications. The 100% submittal will also include the full set of Construction Documents (including a complete specifications package with Appendices including field service reports) ready for bid, and a Class I OPCC prepared by the CONSULTANT to outline the cost for Electrical and Structural components of the pump station facilities.

#### **SCOPE OF SERVICES (CONTINUED):**

#### Task 5 - Pipeline Permitting Services

The objective of this task is to prepare detailed design drawings, specifications and cost estimates to be used during permitting, bidding, and construction.

#### 5.4. Pump Station Permitting Services

CONSULTANT shall prepare and submit permit drawings and support the application to required agencies for the Electrical and Structural portions of the project.

#### Task 6 - Bidding Support

Upon completion of the permitting phase, PBCWUD shall conduct the bidding process and the CONSULTANT shall provide bidding support services to PBCWUD that shall include the following:

Review and respond to requests for additional information; draft addendum(s) to the bid documents if necessary.

#### Task 7 - Outfall Design and Permitting

#### 7.2. Outfall Design Improvements

CONSULTANT shall prepare drawings and specifications for electrical improvements to outfalls identified during the field visits and agreed upon with PBCWUD at the completion of Task 3.2. The improvements may consist electrical connections or upgrades, and associated site work. The drawings and specifications will be incorporated into the deliverables as described in Task 4.

## **Project Pricing**

We have developed a time and materials budget for the WUD 22-033—South County Reclaimed Water Transmission Pipeline Phase 2 project, based on our understanding of the scope provided.

The T&M not-to exceed fee for EDS to provide the scope of work tasks and services shall be \$243,788.16, based on the task breakdown provided in attachment E.

We appreciate the opportunity to provide this proposal and look forward to working with you. Should you have any questions, please do not hesitate to contact us.

| Respectfully Submitted,        |       |
|--------------------------------|-------|
| Craig McKenzie, P.E.           |       |
| President/Principal Engineer   |       |
| Engineered Design Services LLC |       |
| Offer Accepted by:             |       |
|                                |       |
| Signature:                     | Date: |

# PBCWUD 22-033 South County Reclaim Phase 2

## **Pump Station Site Development**

Prepared for:

### Chen, Moore and Associates

500 S. Australian Avenue Suite 850 West Palm Beach, FI 33401

Prepared by:



8935 NW 35<sup>th</sup> Lane, Suite 201 Doral, FL - 33172 October 5, 2023

Attention:

Ms. Suzanne Dombrowski, PE, ENV SP

CMA West Palm Beach 500 S. Australian Avenue

Suite 500

West Palm Beach, Florida 33401

Reference:

PBCWUD 22-033

Dear Ms. Dombrowski:

We are pleased to submit this letter as a confirmation for services requested in connection with the site development for the pump station associated with PBCWUD 22-033.

#### 1. PROJECT DESCRIPTION

Site plan for reclaimed water pump station associated with Palm Beach County Water Utilities Department (PBCWUD) Project number 22-033.

#### 2. PROPOSED SCOPE OF SERVICES

HBC Engineering Company has been requested to provide civil-site design services to develop a site plan for the pump station for the above-mentioned project. The scope of this agreement includes building footprint layout, site access, site circulation, paving grading, drainage, potable water, sewer and fire line connections from 5 feet outside the buildings to the mainlines. The design will include:

**Building layout-** HBC will coordinate with the Architects, Landscape Architects and Mechanical Engineers to layout the site plan for the pumpstation for setbacks, yard piping, access and circulation.

**Paving, Grading and Drainage**-HBC will develop a paving, grading and drainage plans with the appropriate details as well as a drainage report for the pump station site.

Utilities Connection- HBC will develop Potable water, fire protection main and sewer plans for service connections to any buildings on site needing service.

**Permitting-** HBC will assist with the permitting of the site plan. HBC will prepare and submit construction drawings to Palm Beach Land Development Section, PBCWUD, Palm Beach Health Department, South Florida Water Management District, Lake Worth Water Control District drainage approval. HBC will provide revisions as necessary to facilitate permit approval. The Client will be responsible for all permit fees.

#### 3. Phase I: Pre-Design

A. Project Kick-Off

Page 1 of 4



We will participate in one Project Kick-off meeting with Owner's representatives to introduce the project team, establish the goals, and schedule for the project. Estimate one (1) meeting to be attended by HBC Project Manager.

#### **B.** Existing Conditions Analysis

We will conduct up to three site visits to observe the existing condition of the property and gather information that might be pertinent to the Site-Civil design of the 'Property'. During our site visits, we will evaluate, verify, and photographically document existing improvements, drainage contribution area and conditions, evident topography and surrounding influences. All findings, recommendations, and supporting documentation shall be gathered and considered in our recommendations to establish the design criteria.

#### C. Drainage Design Criteria

HBC will design the drainage to comply with the requirements of South Florida Water Management District and Lake Worth Drainage District. HBC will analyze existing drainage and supplement it with a supplement drainage system as required.

#### D. Topographic Survey

Topographic survey of the site by owner.

#### E. Geotechnical Investigation

Geotechnical Investigation report by owner.

#### Phase II/III: 60% Construction Plans, 90% Construction Plans & 100% Construction Plans

HBC will prepare construction documents to accomplish the elements identified in the Project Description section based on established design criteria and preferred concept agreed to by the Client. Deliverables will be limited to Site-Civil engineering plans and Drainage. The plan set shall include the following sheets necessary to convey the intent and scope of the project for the purposes of construction:

- Key Sheet
- Topographic Survey (By others)
- General Notes
- Site plan with grading, dimensions, demolition, drainage
- Drainage Plan
- Utilities Plan
- Miscellaneous Detail Sheets (as applicable)
- Storm Water Pollution Prevention Plan and details
- HBC will prepare a probable construction estimate for the client
- Drainage Report

The plans will be prepared to 1"=20" scale on 22" X 34" sheet and will include appropriate sections or details where necessary for the proposed work, as well as typical site data information.

HBC will deliver a CD copy at the completion of our work. A maximum of two (2) minor revisions will be provided for design optimization.

Page 2 of 4



#### 4. Phase IV: Permitting

HBC will prepare and submit construction drawings to PBC Land Development, SFWMD and LWDD for drainage approval. HBC will provide revisions as necessary to facilitate permit approval. HBC will prepare and submit construction drawings to PBCWUD for utilities approval and will also provide revisions as necessary to facilitate permit approval. The Client will be responsible for all permit fees.

#### 5. Phase V: Bidding & Award Administration

HBC will provide plans for inclusion in the bid set. We will assist the Client in reviewing bids for the construction of the Pump Station Site, prepare appropriate response to questions, and provide clarification to the construction plans and documents.

#### 6. Schedule & Fees

I. HBC will complete the scope of services outlined following the project schedules. Phases I, II, and III within four (4) weeks of the notice-to-proceed for each phase. This assumes that the Owner will provide access to the site along with access to archival plans and completed topographic survey prior to execution of the contract. Phases IV and V is based on the permitting departments, bid and construction schedule and not subject to the timeline outlined above.

| Phase | Phase Description                        | Amount       |
|-------|--|--------------|
|       | 60% Construction Plans                   | \$ 29,580.45 |
| Ш     | 90% Construction Plans & Specifications  | \$ 23,475.30 |
| III   | 100% Construction Plans & Specifications | \$ 4,900.77  |
| IV    | Permitting                               | \$ 13,635.75 |
| V     | Bidding & Award Administration           | \$ 3,407.04  |
|       | Total                                    | \$ 74,999.31 |

HBC's monthly billings will be made based on the percentage of progress for each work phase category.

#### 7. Exclusions:

- 1. Permit Fees
- Major changes in the scope of work after the project has been approved and or phase completed.
- 3. Post Design and construction related services.
- 4. Other engineering services not specifically stated.
- 5. Any improvements to Lyons Road beyond work associated with utilities connection.
- 6. Any utilities extensions outside property lines.
- 7. Utility locates.
- 8. Should any of these circumstances arise during the performance of the work we will promptly notify the Client about the nature, extent and probable cost of the additional services, and perform additional services upon receipt of written authorization.

Page 3 of 4



#### TERMS AND CONDITION

We will not supervise nor direct the work of others. Project safety is the responsibility of others. We will endeavor to conduct our services in a safe manner. HBC will not be responsible for any impact on the existing facilities at the site or damage that might occur because of construction at the site. Location of existing utilities is not a part of this scope. We recommend the Contractor verify the location of existing utility prior to commencing work at the site and in accordance with state protocol.

#### **AUTHORIZATION**

Sincerely,

To authorize us to proceed with the requested services, please sign below, initial the pages of this letter of confirmation and return one copy of the proposal to us.

We appreciate the opportunity to assist you with these services. We will contact you in the near future to answer any questions you may have. If you have any questions in the interim, please contact us.

HBC ENGINEERING COMPANY

Date: 10/05/2023

Edgar Diaz, MS, PE, PSM

Project Manager

| Name of Company         |       |
|-------------------------|-------|
| Print Name              |       |
|                         | Date: |
| Authorization Signature |       |





#### HILLERS ELECTRICAL ENGINEERING, INC.

November 21, 2023

Daniela Martinat, P.E. Chen Moore and Associates 500 Australian Ave South, #850 West Palm Beach, Florida 33401

Subject: South County Reclaimed Water Transmission Pipeline Phase 2 (PBCWUD Project No.: 22-033)

#### Dear Daniela:

Hillers Electrical Engineering, Inc. (HEE) is pleased to provide Chen Moore and Associates (CMA) a proposal for the instrumentation, SCADA and telemetry design, permitting and bidding services associated with the above referenced project. The project includes a pump station and lake discharge outfalls. The scope will consist of the following:

#### Task 1 - Project Management and Coordination

HEE will attend a kickoff meeting and up to four (4) coordination meetings, and six (6) progress meetings with CMA and Palm Beach County Water Utilities (County).

#### Task 2 - Field Services

HEE will perform records review, site investigation and photo study. The work of subsurface utility engineering, geotechnical investigation and survey is not included in our proposal.

#### <u>Task 3 – Preliminary Design</u>

- HEE will perform visits to and review of up to six (6) outfall locations with CMA and County to determine if deployment of remote terminal units are necessary.
- HEE will provide input to a Pump Station Basis of Design Report (BODR) and 10% Design for instrumentation, control, and telemetry systems. HEE will not attend a review workshop with CMA and County.
- HE will prepare instrumentation, control, and telemetry systems design for 30% Pump Station Design Plan Preparation. No cost estimates are included with this deliverable.
- HEE will attend one (1) review meetings for the Pump Station Basis of Design Report (BODR) and 10% Design with CMA and County; and one (1) meeting for 30% Pump Station Design Plan Preparation with CMA and County. No cost estimates are included with this deliverable.

#### Task 4 - Detailed Design

- HEE will prepare instrumentation, control, and telemetry systems design for 60% Pump Station Design Submittal; HEE will provide input to the 60% opinion of probable construction cost and attend one (1) review meeting with CMA and County.
- HEE will prepare instrumentation, control, and telemetry systems design for 90% Pump Station Design Submittal; HEE will provide input to the 90% opinion of probable construction cost and attend one (1) review meeting with CMA and County.

23257 State Road 7, Suite 100, Boca Raton, Florida 33428 561-451-9165 Fax: 561-451-4886

Subject: South County Reclaimed Water Transmission Pipeline Phase 2 (PBCWUD Project No.: 22-033)

• HEE will prepare instrumentation, control, and telemetry systems design for 100% Pump Station Design Submittal; HEE will provide input to the 100% opinion of probable construction cost and attend one (1) review meeting with CMA and County.

#### <u>Task 5 – Pipeline and Pump Station Permitting Services</u>

HEE assumes the following permitting tasks to be performed by CMA; no level of effort is included in this proposal for work of these tasks:

- Permitting for Roadway Impacts (PBC Land Development)
- Permitting for Roadway Impacts (FDOT)
- Permitting with Lake Worth Drainage District
- Palm Beach County Site Plan Approval
- South Florida Water Management District Environmental Resource Permitting
- PBC Land Development Drainage Review

HEE will assist CMA with Palm Beach County Building Department Review assistance as pertaining to pump station instrumentation control and telemetry systems.

#### Task 6 – Bidding Support

HEE will support CMA and County during bidding phase as follows:

- Answering bidder RFI's/questions; issue addenda
- Prepare conformed documents

#### Task 7 - Outfall Design and Permitting

HEE will prepare telemetry and instrumentation design documents for up to six (6) outfall sites identified in Task 3 requiring remote telemetry units.

#### Anticipated Instrumentation, Control and Telemetry Drawings:

- 1. Instrumentation Legend and Symbols
- 2. Communication Block Diagram
- 3. PLC/SCADA Block Diagram
- 4. Primary Pumps P&ID
- 5. Jockey Pump P&ID6. Seal Water P&ID
- 7. Miscellaneous System P&ID
- 8. Station Control Panel Details
- 9. Outfall P&ID (Typical)
- 10. Outfall Remote Telemetry Unit (RTU) Details (up to six (6) sites)
- 11. Instrumentation Details (2 sheets)

#### Assumptions:

- 1. Access control system and fire alarm system are not included in our design scope of work.
- 2. HEE will furnish electronic files (PDF, dwg, Word, Excel) to CMA for inclusion in project deliverables. CMA will perform all hard copy production including drawings, specifications, reports, tables, figures, etc. required for delivery to County.
- 3. HEE will not attend the pre-bid meeting with CMA and County.

Daniela Martinat, PE

Subject: South County Reclaimed Water Transmission Pipeline Phase 2 (PBCWUD Project No.: 22-033)

- 4. No electrical systems design (power distribution, grounding/bonding, lightning protection, lighting, receptacles, access control, video surveillance, fire alarm) is included in this proposal and will be prepared by others.
- 5. HEE assumes that all electrical design necessary to support instrumentation, control, SCADA, and Telemetry systems, including such items as power system design, wiring, raceway, and grounding/bonding systems and depicting the location of instruments, control panels, SCADA equipment will be designed/depicted/shown/detailed by and the responsibility of the electrical design engineer-of-record for the project.
- 6. Automation/controls of each outfall shall match the functionality of the existing system. County shall furnish written functional descriptions, block diagrams and other available documentation of existing system architecture as well as any special requirements associated with the management of data to be incorporated.
- 7. County shall furnish all applicable standards/details and preferences pertaining to the design of outfall, instrumentation, monitoring well and related systems.
- 8. Construction phase support services (i.e. engineering services during construction) are not included but will be authorized as part of a separate authorization.

Our proposed hourly, not-to-exceed design, permitting and bidding service fee is: \$100,158.15

HEE wishes to thank Chen Moore and Associates for the opportunity to provide this proposal. Please do not hesitate to call me if you have any questions regarding this proposal or any other matter.

Sincerely,

Mark E. Luther, PE

Mark Educt

TN/mel

File: E:\Business Development\Proposal\Chen-Moore\ 22-033 S Cnty RCWM Phase 2\_Proposal\_HEE 20231121

enclosures



September 29, 2023

Chen Moore & Associates 500 Australian Avenue South, Suite 850 West Palm Beach, FL 33401

Suzanne Dombrowski, PE E: SDombrowski@chenmoore.com O: 561.746.6900

Re: PBCWUD 22-033 South County Reclaim Phase 2 Project

Palm Beach County, FL

Subsurface Utility Engineering Services

Dear Ms. Dombrowski:

We have prepared this proposal to perform subsurface utility engineering services including air vacuum excavation test holes for the above referenced project. We have received the following files by email dated June 27, 2023 attached identifying the project locations:

- 22-033 S Cnty RCWM Phase 2 Att A Text DRAFT.docx
- · Exhibit Phase II.pdf

Our scope of work shall be performed in accordance with the Procedures, Exclusions and Assumptions identified below and will include the following:

1. **Air Vacuum Excavation Test Holes** – Air vacuum excavation test holes will be performed at the proposed test hole locations. This proposal includes 120 test holes at utility conflict locations for Task 2. This proposal includes an additional 12 test holes at utility conflict locations for Task 7, if needed.

Test hole locations have not been provided at the time that this proposal and estimate was prepared. As such, we assumed Temporary Traffic Control will be required for approximately 20% of the duration of excavation. If test hole locations are provided and it is anticipated that additional Temporary Traffic Control will be required, the client will be notified and additional expenses will be billed as a direct cost if approved.

#### Air Vacuum Excavation Test Holes

During utility locating by air / vacuum test holes InfraMap will complete the following tasks:

- 1. **Agency Coordination** InfraMap will comply with laws and regulations concerning excavation by coordinating with utility inspectors, property owners, "ONE CALL" and others as required.
- 2. **Anticipated Permits** InfraMap will prepare and coordinate throughout the permitting process and will bill the associated fees as a direct expense.
- 3. Test hole conflict identification and field locate –If InfraMap has not performed the utility designating prior to the test hole task, and we identify a discrepancy between existing utility location on client provided plans and what is in the field, we will notify the Client prior to any test hole work. We will make recommendations if utilities are not where the records maps indicate, or a utility is discovered that is not shown on any records and is not detectable during the electronic sweep. InfraMap will contact the client



and discuss strategies to address the unpredictable field conditions. InfraMap will work with the client in the identification of additional test holes or removal of test holes from future scope of work.

- 4. **MOT** Maintenance and Protection of Traffic in local jurisdiction will be provided in accordance with the *Florida Department of Transportation (FDOT) FY 2023-24 Standard Plans*, latest edition or other applicable requirements.
- 5. **Test hole –** InfraMap will perform the following for the test hole task:
  - a. Excavate a test hole using air/vacuum excavation. Provide all precautions necessary to perform the work safely and to cause no damage to the utility. The test hole will be of the minimum size required to expose the utility and record the following information:
    - i. Depth below grade (cover).
    - ii. Utility material, shape, and overall condition.
    - iii. Approximate diameter of pipes, cables, conduits, and the configuration of multiple conduit systems.
    - iv. The general directional trend of the utility.
    - v. Thickness, type, and condition of paving material.
    - vi. General soil conditions.
  - b. Install a survey marker (PK or hub and tack) directly over the centerline of pipes or edge of concrete structures or conduit banks at grade. Ribbon of appropriate APWA / ULCC color will be installed in the backfill from utility to grade. Indicate on the test hole form the placement of the marker relative to the utility cross section. Record the location of the marker with a minimum of three swing tie measurements to convenient existing permanent structures on site.
  - c. Backfill test hole with excavated material in 6-inch lifts by air pneumatic tamping. Restore test hole area to the original condition. Repair and restore all pavement cuts to ensure a long-lasting repair utilizing asphalt cold patch.
- 6. **Survey** Survey of test hole locations to provide northing, easting and elevations of pin or hub associated with each test hole. Survey will be performed by utilizing applicable State Plane Coordinate System or client provided established survey control.
- 7. **CAD** The survey data will be processed into a test hole utility file in AutoCAD (dwg) format with symbols depicting horizonal locations of test holes.
- 8. Quality Assurance / Quality Control review QA/QC review of the test hole reports will be completed to compare the findings of the test hole to the available utility information. InfraMap will evaluate and resolve any discrepancies.
- 9. **Deliverables** Deliverables will include a test hole inventory summary table, individual test hole reports, and updated existing utility file in AutoCAD (dwg) format.

#### **Exclusions and Assumptions:**

- The targeting of subsurface utilities, although highly reliable, is expressly understood to represent an
  approximate location of the target facility as marked on the ground surface. The accuracy of targeting is
  subject to certain factors beyond our control such as limitations of available technology and field
  conditions that may include, but are not limited to depth of utility, electrical conductivity of utility, site
  conditions and access.
- 2. Our electronic equipment cannot locate non-conductive pipe systems and or fiber optic line without tracer wire.



- 3. Concrete Pavement with reinforcement, as well as guide rails and chain link fence, could interfere with our electronic equipment at times to locate utilities.
- 4. Overhead utilities, irrigation systems, septic drain fields, residential/commercial services, and confined space entry are not included in this scope of work. In addition, gravity structure investigations including storm water and sanitary sewer are not included.
- 5. At this time, geotechnical borings or subgrade information have not been provided. Large stones, shale, coral, construction debris, or other subsurface conditions including a high groundwater table may limit the ability of our equipment to excavate to the utility and or make it very difficult to visually verify the utility condition and material.
- 6. In order to provide a cost-effective service that causes minimal disturbance to site amenities and utilities, and is acceptable to permitting agencies, the size of the Test Hole excavation is kept to a minimum. The diameter of most pipes greater than 24" cannot be recovered directly from one test hole and it may be necessary to perform additional holes.
- 7. This proposal assumes test holes will be repaired consistent with the cold patch specifications above. Depending upon test holes locations and/or local, county and state permit requirements, permanent asphalt patch repairs either using hot mix asphalt, asphalt infrared services or cement subbase, are out of the scope of these services. If required, an out-of-scope proposal or supplemental agreement will be prepared before proceeding further.
- 8. If a single test hole location is selected at a point where two or more utilities intersect (or trend close together), a single test hole may not be feasible to obtain information for all requested utilities. The utility of higher elevation may be of sufficient size as to prohibit further excavation in the existing test hole. To reach the utility of lower elevation in this instance a separate (additional) test hole will be required.
- 9. Encased systems and non-encased conduit banks are typically exposed on one edge. This allows the test hole to be excavated down the side of the utility until a discernable bottom edge can be evaluated. Although it is usually possible to determine the bottom edge of these systems, it is not possible to determine conditions under these or other utility systems, such as concrete over pour and other utilities. It is important for the designer to remember that the bottom edge of an encased system or unencased conduit bank may not represent its lowest point, and that the shape of the system may not be the same on both sides. The width of these systems may not be determined from a single test hole. Encased systems and unencased conduit banks may require two test holes to document the width (and both of the sides top and bottom elevations).
- 10. Recoverable and accurate survey control, which can be accessed during mobilization, will be provided by the client. In the event the survey control is not located near the proposed utility investigation, we anticipate utilizing NRTK GPS. Note, the use of NRTK GPS may affect horizontal and vertical accuracies. If NRTK GPS cannot be utilized due to significant tree cover or satellite loss, a survey traverse will be required. This proposal does not include services to perform a survey traverse to transfer control to the work site. If required, same will be included on a time and materials basis if it cannot be absorbed into the existing budget.
- 11. This service will be provided with due diligence and in a manner consistent with standards of the subsurface utility mapping industry. Every reasonable effort will be made to locate all systems of interest whether indicated on records available to us or not. However, we do not guarantee that all existing utility systems can or will be detected. It may not be possible to detect utilities that we do not have prior knowledge of, such as systems that are not depicted on records available to us. Further, this service is not intended to detect non-utility structures such as but not limited to foundations, buried tanks, septic systems, wells, tunnels, concrete or metal structures, or the true size and limits of subsurface utility vaults



and manholes.

#### **FEE SCHEDULE**

Our total estimated cost for this project is \$113,578.17. The details of the fee estimate can be found on the following pages entitled "Attachment E – Budget Summary". Each task shown in the fee schedule is hourly-not-to-exceed. If you have any questions or concerns regarding this proposal, please do not hesitate to call at (561)818–8770 or email <a href="mailto:leumann@inframap.net">leumann@inframap.net</a>. We look forward to working with Chen Moore & Associates on this project.

Regards,

Lee Reumann Survey Manager

#### ACME BARRICADES LC

#### **Main Office**

#### 9800 Normandy Blvd

#### Jacksonville, Florida 32221

1-800-373-7704



4601 Oakes Road Davie ,FI.33314 TEL. 954-321-8205 FAX. 954-791-0921 Manager Bob Trites

3705 Interstate Parkway West Palm Beach, FL 33404 TEL. 561-657-8222 FAX, 561-657-8226 Manager Roger Mastrapa

3690 Canal Street Ft. Myers, FL 33196 TEL. 239-479-5266 FAX. 239-479-6210 Manager Dustin Tanner

DATE:

7/24/2023

BID DATE:

7/24/2023

PROJECT: PBCWUD 22-033 South County Reclaim Phase 2 Project

COUNTY:

Palm Beach

DAYS:

| ITEMS   | UNITS    | QUANTITY    | PRICE |          | TOTAL |                                       |
|---|----------|-------------|-------|----------|-------|---------------------------------------|
| 3 MAN CREW TO PERFORM LANE CLOSURES IN BOCA RATON,  | EA       | 4.5         | \$    | 1,600.00 | \$    | 7,200.00                              |
| PRICE INCLUDES RENTAL OF DEVICES.                   |          |             |       |          |       | · · · · · · · · · · · · · · · · · · · |
| WORK HOURS 8AM TO 3PM.                              |          |             |       |          |       |                                       |
| MESSAGE BOARDS ARE NOT INCLUDED BUT CAN BE PROVIDED | FOR \$45 | ED IF NEEDE | D.    |          |       |                                       |
| TOTAL   |          |             |       |          | \$    | 7,200.00                              |

<sup>\*</sup>Price excludes bond

We appreciate your business and good luck in your bidding.

Sincerely,

Tom Brady

**SERVICE IN A FLASH** 

tbrady@acmebarricades.com

ALL PRICING IS CONSIDERED CONFIDENTIAL

<sup>\*</sup>Contractor is responsible for coring asphalt and/or concrete if required for work zone signage

<sup>\*</sup>Prices do not include wall mounting of work zone signs.

<sup>\*</sup>Post mounting of signs will be for the beginning of the project as defined by the plans, and if required thereafter, as ordered and at locations specified by Contractor.

<sup>\*</sup>Reasonable notice is required prior to delivery of MOT devices.

<sup>\*</sup>Contractor is responsible for covering and/or uncovering signs. Acme will provide sign covers if required.

<sup>\*</sup>This quotation shall be part of any future contract for work quoted above.

<sup>\*</sup>Acme Barricades, LC shall not perform, or be deemed to perform as the "Worksite Traffic Supervisor" (FDOT Specification 102-3.2 and 105-5.3) without the express written consent of Acme Barricades, to otherwise perform in such capacity

<sup>\*</sup>This proposal excludes rumble strips.



Chen Moore and Associates (CLIENT) 500 S Australian Avenue, Suite 850 Fort Lauderdale, FL 33309

November 17th, 2023

Project No. 23-1448

Attention: Ms. Suzanne Dombrowski, PE, ENV SP

Reference: South County Reclaimed Water Transmission Pipeline – Phase 2, WUD 22-033, CD09,

Palm Beach County, Florida

Dear Ms. Dombrowski,

Based upon your request and with utmost pleasure, we are presenting you with this proposal for the requested services associated with the subject project.

This proposal is intended to outline Keshavarz & Associates, Inc's. (Consultant's) contributions as a team member towards the CLIENT's overall scope in connection with the above referenced project. Consultant's services throughout this project are performed under the auspices of the CLIENT.

Consultant's point of contact is CLIENT's designated Project Manager or its designee. Consultant's direct communication with County can occur upon notification and approval by the CLIENT except in the event of emergencies or force majeure. County can directly communicate with Consultant if deemed necessary, however, Consultant will have the responsibility to inform the CLIENT of such communication, its subject matter and content within a reasonable period of time.

#### BACKGROUND

Chen Moore and Associates assembled a team of consultants/sub-contractors and was selected by PBCWUD to provide the civil engineering and survey related services for phase 2 of the South County Reclaimed Water Transmission Pipeline Extension. Keshavarz & Associates was included on the team to provide Land Surveying and Civil Engineering services as outlined within the following scope of services.

#### SCOPE OF SERVICES

CONSULTANT shall perform the engineering Scope of Services as described herein. The proposed services will include the following tasks:

#### Task 1: Project Management and Coordination

#### 1.1. Project Meetings and Coordination

1.1.1. Kickoff Meeting – The CONSULTANT shall prepare for and attend the Kickoff Meeting with PBCWUD. The CONSULTANT shall review the meeting agenda provided by the CLIENT and shall supplement the meeting summary as needed, provided by the CLIENT.



- 1.1.2. Coordination and General Correspondence The CONSULTANT shall maintain ongoing coordination with the CLIENT regarding project progress. Coordination will involve written (emails) and telephonic communication throughout the approximate 20 months of the project design schedule.
- **1.1.3.** Progress Meetings The CONSULTANT shall attend up to 3 progress meetings in addition to submittal review meetings over the course of the project duration.

#### Task 2: Field Services

#### 2.1. Records Review, Site Investigation and Photo Study

2.1.3 The CONSULTANT shall attend one site visit with the CLIENT to review the proposed reclaimed water main corridor and outfall locations, photograph and document existing field conditions and to identify possible conflicts or constraints.

#### 2.2 Subsurface Utility Engineering (SUE) for PDR

- 2.2.1 Level C Design Tickets and Records Research The CONSULTANT shall identify the pertinent entities and prepare exhibits and distribute requests for existing facility locations and proposed improvements to the dry utilities providers (electric, gas, phone, CATV, traffic, etc.). The CONSULTANT shall coordinate and track the responses from the utility providers and incorporate the results onto the existing/proposed conditions plan in an attempt to minimize potential conflicts during the construction of the proposed reclaimed water
- 2.2.3 Level B Scan and Sweep / Targeting Prior to the topographic survey acquisition phase, the CONSULTANT shall coordinate with InfraMap (Subsurface Utility Locates Sub-Consultant) to scan the limits of the road R/W using ground penetrating radar and other methods, as described in their proposal, to identify the approximate horizontal location of wet and dry utilities within the corridor. The results of the scanning efforts will be picked up by our survey field crews and incorporated into the existing/proposed conditions plan. The associated coordination, survey acquisition and base map updates for up to 8 days of scanning / targeting has been included for this effort.
- 2.2.4 Level A Potholes for Verification of Utility Locations During the design phase it may be determined that additional information may be needed for specific utilities to confirm the location, acquire vertical elevations, confirm tie in locations, navigate critical crossings etc. The CONSULTANT shall prepare exhibits to provide to InfraMap depicting the locations of the area needing additional information for design purposes. InfraMap shall provide soft digs to provide subsurface information at each of these locations and will provide exhibits for each soft dig to the CLIENT and CONSULTANT. The CONSULTANT shall field locate the soft digs both horizontally and vertically in order to identify and transfer the data to the existing/proposed conditions plan. Collected field information and soft dig data will be included on the plans with an identification symbol and call-out for each location in the plan view accompanied by a referenced table specifying measured depth, size and material. Up to 120 soft digs have been included for this effort.



#### 2.4 Survey

- **2.4.1** Route Survey The CONSULTANT shall prepare a route survey which shall depict the limits of the entire right-of-way together with the survey topographic data for the following areas:
  - Glades Road from 650-linear feet (LF) west of Diego Drive North to State Road (SR)
     7 (5,820 LF);
  - SR 7 from Glades Road to the midpoint of the GL Homes John's West property (2,400 LF);
  - Lyons Road from the north side of the Yamato Road intersection to LWDD L-38 canal (10,720 LF)

A baseline shall be created along the centerline of each right-of-way to include plan sheet stationing. All known easements of record contiguous with the platted street rights-of-way lines, if any, as shown on the recorded plats, shall be depicted. The CONSULTANT shall establish at least ten (10) benchmarks for construction purposes within the project area and the location shall be indicated on the plan drawings. The survey shall be prepared and delivered in the State Plane Coordinate system.

- 2.4.2 Topographic Survey- The CONSULTANT shall prepare a topographic survey for the entire limits of the right-of-way, including ten (10) feet beyond the right-of-way, based on the above described route survey and shall include identification and location of pavement edges, driveways and turnouts, sidewalks, trees, signs, power poles, guy wire anchors, light poles, above ground utility boxes, etc. Existing visible and accessible water valves, fire hydrants, back flow preventers, double detector check valves, sanitary manholes, storm manholes and catch basins shall be located within the right-of-way and adjacent to the right-of-way if required for design purposes. Pipe sizes, material and inverts for storm and sanitary structures located within the right-of-way or adjacent to the right-of-way shall be acquired. Existing vertical grades shall be acquired for the entire limits of the right-of-way at a minimum of one hundred (100) intervals along the centerline of the right-of-way. Additionally, the topographic survey shall include the crossing of up to five (5) LWDD canals. The acquired information from the field shall be reflected on construction plans as referenced. Available information on existing potable water and sanitary sewer mains shall be provided by PBCWUD in the form of project Record Drawings. Dry utility facilities locations (e.g., Florida Power & Light Company (FPL), AT&T, Comcast, etc.) will be acquired where paint markings, as established by others, are encountered during the topographic acquisition and shall be included on the construction plans.
  - 2.4.3 Pump Station Site Boundary and Topographic Survey A The CONSULTANT shall prepare a Boundary and Topographic Survey of the Pump Station Site to meet or exceed the State of Florida Minimum Standards of Practice pursuant to Chapter 5j.17 Florida Administrative Code. Services to include the necessary field and office surveying services of the project site depicting the property boundary in accordance with the legal description, deed and easement information provided by PBCWUD. A review of a title policy is not included in this scope of work. The topographic survey shall be prepared based on the completion of the boundary survey and shall include identification and location of pavement edges, driveways and turnouts, sidewalks, trees, signs, power poles, guy wire anchors, light



poles, above ground utility boxes, etc.. Existing visible and accessible water valves, fire hydrants, back flow preventers, double detector check valves, sanitary manholes, storm manholes and catch basins shall be located within the right-of-way and adjacent to the right-of-way if required for design purposes. Pipe sizes, material and inverts for storm and sanitary structures located within and adjacent to the property boundary shall be acquired. Existing vertical grades shall be acquired within the boundary of the site and twenty (20) feet beyond the perimeter of the site on an approximate fifty (50)-foot grid. The acquired information from the field shall also be reflected on construction plans as referenced.

A signed and sealed boundary and topographic survey will be provided to the CLIENT for regulatory submittals and digital copy in CAD will be provided for the CLIENT's use as the basis for the design of the Pump Station site.

#### Task 3: Preliminary Design

#### 3.1 30% Pipeline Design Plan Preparation

The CONSULTANT's role during the 30% preliminary design phase is limited to depicting the existing conditions on the constructions plans based upon the acquired survey information, the results of the preliminary / record drawing research, findings of the utility coordination and the results of the scanning and targeting. The CONSULTANT shall set up a base CAD file with the existing conditions information and shall set up the Proposed Conditions Plan for the CLIENT to begin their design. The Proposed Conditions Plans shall be on forty-four plan sheets consisting of one plan view at a scale of 1" = 20", key map, a space available for sheet notes and future profile view, north arrow, scale, title block and other pertinent data typically located on PBCWUD construction plan sheets.

The CONSULTANT shall provide a cursory review of the 30% design submittal as a quality assurance measure and provide comments the CLIENT.

The CONSULTANT shall attend a preliminary design review / progress meeting with the CLIENT and PBCWUD. Refer to Task 1.1.3 for progress meetings.

#### Task 4: Detailed Design Services

#### 4.2 90% Pipeline Design Submittal

Survey Control Plans: The CONSULTANT shall prepare a Survey Control Plan to depict the results of the route survey, base line stationing, and surveyed benchmarks for survey/construction control.

Proposed Conditions Plans: The CONSULTNT shall add profile views to the proposed conditions plan. The CONSULANT shall prepare an existing conditions digital terrain model / AutoCAD surface and shall generate profile views of the existing surface above the proposed reclaimed water main alignment. The alignment of the reclaimed water main shall be provided by the CLIENT. The CONSULTANT shall add existing utilities that cross the proposed reclaimed water main to the profile view and shall label each existing utility. The CONSULTANT shall revise the components of the Proposed Conditions Plans, prepared by the CONSULTANT, as necessary based upon the 30% design review.

The CONSULTANT shall provide a cursory review of the 90% construction plans and technical specifications as a quality assurance measure and provide comments the CLIENT.

#### 4.4 100% Pipeline Design Submittal



The CONSULTANT shall revise the components of the Proposed Conditions Plans, prepared by the CONSULTANT, as necessary based upon the 90% design review.

#### 8 Outfall Design and Permitting

81 Outfall Topographic Survey- A topographic survey shall be prepared for areas being considered for outfalls. The survey shall include identification and location of pavement edges, driveways and turnouts, sidewalks, cart paths, trees, signs, power poles, guy wire anchors, light poles, above ground utility boxes, etc. to also include, existing visible and accessible water valves, fire hydrants, back flow preventers, double detector check valves, sanitary manholes, storm manholes, catch basins from the right-of-way line for a corridor width as designated by the design engineers through the top of bank to the water's edge to include three cross sections from water's edge to approximately 100 feet into the water body. Pipe sizes, material and inverts for storm and sanitary structures located within the designated corridor or adjacent thereto, whereas subsurface utility pipes may cross the corridor shall be acquired. Existing vertical grades shall be acquired for the entire limits of the designated corridor at a minimum of 100 intervals from the right-of-way line. The acquired information from the field shall be reflected on construction plans as referenced. Available information on existing potable water and sanitary sewer mains shall be provided by WUD in the form of project Record Drawings. Dry utility facilities locations (FP&L, AT&T, Comcast, etc.) will be acquired where paint markings, as established by others, are encountered during the topographic acquisition and shall be included on the construction plans.

#### **ASSUMPTIONS**

- 1. Design drawings shall be prepared on 22" by 34" paper or half size paper (11 x 17").
- 2. All review comments for each deliverable shall be coordinated by the CLIENT and conveyed to the CONSULTANT at one time.
- 3. The targeting of subsurface utilities, although highly reliable, is expressly understood to represent an approximate location of the target facility as marked on the ground surface. The accuracy of this targeting is subject to certain factors beyond the CONSULTANT's control such as limitations of available technology and field conditions that may include, but are not limited to: depth of utility, electrical conductivity of utility, site conditions and access.
- 4. Maintenance of Traffic (MOT) shall be performed by others.
- 5. The budget line item 2.4.3. related to the Pump Station Site Boundary and Topographic Survey is to be considered a general fee estimate as the property for the proposed Pump Station has yet to be finalized. Upon future determination of the Pump Station Site, considerations related to acreage, proximity to existing control along the route, vegetative density and / or existing infrastructure and improvements, Consultant may revise the budget commensurate with the required work effort.
- 6. The budget line item 8.1 related to the Outfall Topographic Survey is to be considered a general fee estimate as the route corridor distance and width from the proposed reclaim water main to the outfall pipe has yet to be finalized. Upon future determination of the specific discharge lake(s) and the specific route(s), Consultant may revise the budget commensurate with the required work effort.



#### **COMPENSATION**

CLIENT agrees to pay CONSULTANT a total compensation fee amount of \$453,910.00 for the scope of services to be invoiced under the payment terms and conditions of the CONTRACT, by hourly not-to-exceed methods of payment, and reimbursable expenses as outlined within the enclosed manhour summary.

#### PROJECT SCHEDULE

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

|      |  | COMPLETION DATE -  |
|------|--|--------------------|
|      |  | CALENDAR DAYS FROM |
| TASK | ENGINEERING SERVICES DESCRIPTION                       | NTP                |
| 1    | Project Management and Coordination                    | 600                |
| 2    | Field Services   | 300                |
|      | 2.1 Records Review, Site Investigation and Photo Study | 140                |
|      | 2.2 Subsurface Utility Engineering for PDR             | 300                |
|      | 2.4 Survey   | 600                |
| 3    | Preliminary Design                                     | 200                |
| 4    | Detailed Design Services                               | 450                |
|      | 4.2 90% Design Submittal                               | 400                |
|      | 4.4 100% Design Submittal                              | 450                |
| 8    | 8.1 Outfall Topographic Survey                         |                    |

We certainly appreciate the opportunity to present you with this proposal. We will do our best to be an effective member of your team of professionals.

Respectfully, KESHAVARZ & ASSOCIATES, INC.

Randy Wertepny, P.E. Vice President



#### ESTIMATE

Corporate Office: AWP, Inc. dba AWP Safety 4244 Mt. Pleasant St NW North Canton, OH 44720

BILL TO
Keshavarz & Associates
711 North Dixie Highway, Suite 201
West Palm Beach, Florida 33401

Local Office AWP, Inc. dba AWP Safety 250 SW 14th Ave, Pompano Beach, Florida 33069

Estimate Name: PBCWUD Ph 2 Project No. 22-033 -- Law Enforcement Officer Pricing

WHO TO CONTACT FOR JOB ESTIMATES

Wade Sato | wade.sato@awpsafety.com | +1 4077397413

**ESTIMATE** Q-160555 -1 ESTIMATE DATE 1/16/2024

WHO TO CONTACT FOR SCHEDULING

Customer Call Center | info@awptraffic.com | (800) 343-2650 Schedule Online https://www.awptrafficsafety.com/schedule-now/

Daily rate per officer. 8 Hour Shift. 4 Hour Minimum Applies.

Law Enforcement Officer -- Daily Rate Where required by the municipality or at signalized intersections, or as needed for safety or visibility.

Each Additional hour after 8 hours on site will be billed at \$125.00 per man hour.

LEO may be billed as a separate item from AWP personnel and equipment.

| PRODUCT                 | PRODUCT DESCRIPTION  | PRODUCT<br>CODE | UOM  | QTY  |
|-------------------------|--|-----------------|------|------|
| Law Enforcement Bundle  | Select and then click wrench to configure                                | LEOBUNDLE       | Each | 1    |
| Law Enforcement Officer | Law Enforcement Officer - Hourly Rate (4/hr minimum applies)             | LEO - Hourly    | Each | 8.00 |
| Law Enforcement Officer | Fee for the Procurement<br>and Processing of Law<br>Enforcement Officers | LEO - Daily     | Each | 1.00 |

See Service Terms and Conditions below - regarding cancellations, partial days, emergency callout, overtime, nights/weekends/Holidays...

AWP Inc. - Page 1 of 4

Additional charges may apply for additional equipment or labor above estimated service (refer to price list for supplemental items).

| Total | \$3,225.00 |
|-------|------------|



#### ESTIMATE

Corporate Office: AWP, Inc. dba AWP Safety 4244 Mt. Pleasant St NW North Canton, OH 44720

BILL TO Keshavarz & Associates 711 North Dixie Highway, Suite 201 West Palm Beach, Florida 33401

Local Office AWP, Inc. dba AWP Safety 250 SW 14th Ave, Pompano Beach, Florida 33069

Estimate Name: PBCWUD Ph 2 Project No. 22-033 -- Center Lane Closure

WHO TO CONTACT FOR JOB ESTIMATES

Wade Sato | wade.sato@awpsafety.com | +1 4077397413

**ESTIMATE** Q-160558 -1

ESTIMATE DATE 1/16/2024

WHO TO CONTACT FOR SCHEDULING

Customer Call Center | info@awptraffic.com | (800) 343-2650 Schedule Online https://www.awptrafficsafety.com/schedule-now/

FDOT 102-613 -- Weekday, daytime rate for a 3 Person Crew, 8 Hours On Site.

Center Lane Closure – Daily Rate Same Day Call-out / Weeknight / Weekend daily rate for a 3 Person Crew, 8 Hours On Site will be billed at \$2,820.05.

Each additional traffic control technician (if needed or required) will be billed at \$576.26 for 8 hours on site (weekday) or \$864.38 (same day call out / weeknight / weekend).

| PRODUCT  | PRODUCT DESCRIPTION  | PRODUCT<br>CODE | UOM  | QTY |
|--|--|-----------------|------|-----|
| Traffic Control Employee<br>- Daily 8 Hr Rates | Traffic Control Employees  0-5 Hours on site will be billed at 75% of the Applicable Daily Rate. | TCDR08          | Each | 3   |
|  | 5-8 Hours on site will be billed at 100% of the Applicable Daily Rate.                           |                 |      |     |
|  | Overtime rate will be billed at \$91.19 per man hour after 8 hours on site.                      |                 |      |     |
| Sign: Road Work Ahead                          | Road Work Ahead Sign   | W20-1           | Each | 8   |
| Sign: Merge (Symbol)                           | Merge (Symbol) Sign  |                 | Each | 2   |
| Sign: Right/Left Lane Closed Ahead             | Center Lane Closed Ahead Sign  | W20-5(LR)       | Each | 2   |

AWP Inc. - Page 1 of 4

| PRODUCT DESCRIPTION                                | PRODUCT<br>CODE  | UOM   | QTY  |
|--|--|---|--|
| Cone   | CONE   | Each  | 60   |
| Arrow Board  | ABDR   | Each  | 1  |
| Flagging Truck                                     | TRUCK  | Each  | 2.00   |
| Speeding Fines Double<br>When Workers Present Sign | FL-MOT-14-06   | Each  | 2  |
| End Road Work Sign                                 | G20-2  | Each  | 8  |
|  | Cone  Arrow Board  Flagging Truck  Speeding Fines Double When Workers Present Sign | CODE  Cone CONE  Arrow Board ABDR  Flagging Truck TRUCK Speeding Fines Double When Workers Present Sign | CODE  Cone CONE Each Arrow Board ABDR Each Flagging Truck TRUCK Each Speeding Fines Double When Workers Present Sign  CODE  Each Each Each Flagh FL-MOT-14-06 Each |

Center Lane Closure -- Daily Rate Daily Estimated Subtotal: \$1,955.67

See Service Terms and Conditions below - regarding cancellations, partial days, emergency callout, overtime, nights/weekends/Holidays...

Additional charges may apply for additional equipment or labor above estimated service (refer to price list for supplemental items).

| Estimated Duration | 3 Days     |
|--------------------|------------|
| Total              | \$5,867.01 |



#### ESTIMATE

Corporate Office: AWP, Inc. dba AWP Safety 4244 Mt. Pleasant St NW North Canton, OH 44720

**BILL TO** Keshavarz & Associates 711 North Dixie Highway, Suite 201 West Palm Beach, Florida 33401

Local Office AWP, Inc. dba AWP Safety 250 SW 14th Ave, Pompano Beach, Florida 33069

Estimate Name: PBCWUD Ph 2 Project No. 22-033 -- Intersection Work

WHO TO CONTACT FOR JOB ESTIMATES

Wade Sato | wade.sato@awpsafety.com | +1 4077397413

**ESTIMATE** Q-160559 -1 ESTIMATE DATE 1/16/2024

WHO TO CONTACT FOR SCHEDULING

Customer Call Center | info@awptraffic.com | (800) 343-2650 Schedule Online https://www.awptrafficsafety.com/schedule-now/

FDOT 102-613 - Weekday, daytime rate for a 4 Person Crew, 8 Hours On Site.

Intersection Work -- Daily Rate Same Day Call-out / Weeknight / Weekend daily rate for a 4 Person Crew, 8 Hours On Site will be billed at \$3,551.52.

Each additional traffic control technician (if needed or required) will be billed at \$576.26 for 8 hours on site (weekday) or \$864.38 (same day call out / weeknight / weekend).

| PRODUCT   | PRODUCT DESCRIPTION   | PRODUCT<br>CODE | UOM  | QTY  |
|---|---|-----------------|------|------|
| Traffic Control Employee<br>- Daily 8 Hr Rates      | Traffic Control Employee - Daily 0-5 hrs on site = 75% of daily rate. 5-8 hrs on site = 100% of daily rate. Overtime rates apply after 8 hours on site. | TCDR08          | Each | 4    |
| Sign: Road Work Ahead                               | Road Work Ahead Sign  | W20-1           | Each | 8    |
| Sign: Merge (Symbol)                                | Merge (Symbol) Sign   |                 | Each | 4    |
| 28" or 36" Cone                                     | Cone  | CONE            | Each | 60   |
| Arrow Board   | Arrow Board   | ABDR            | Each | 2    |
| Flagging Truck                                      | Flagging Truck  | TRUCK           | Each | 2.00 |
| Sign: Speeding Fines Double<br>When Workers Present | Speeding Fines Double<br>When Workers Present Sign  | FL-MOT-14-06    | Each | 4    |

AWP Inc. - Page 1 of 4

| PRODUCT   | PRODUCT DESCRIPTION | PRODUCT<br>CODE | UOM  | QTY |  |  |  |  |  |
|---|---------------------|-----------------|------|-----|--|--|--|--|--|
| Sign: End Road Work                                     | End Road Work Sign  | G20-2           | Each | 8   |  |  |  |  |  |
| Intersection Work - Daily Pate Daily Estimated Subtotal |                     |                 |      |     |  |  |  |  |  |

See Service Terms and Conditions below - regarding cancellations, partial days, emergency callout, overtime, nights/weekends/Holidays...

Additional charges may apply for additional equipment or labor above estimated service (refer to price list for supplemental items).

| Estimated Duration | 3 Days     |
|--------------------|------------|
| Total              | \$7,736.52 |



# ESTIMATE

Corporate Office: AWP, Inc. dba AWP Safety 4244 Mt. Pleasant St NW North Canton, OH 44720

**BILL TO** Keshavarz & Associates 711 North Dixie Highway, Suite 201 West Palm Beach, Florida 33401

Local Office AWP, Inc. dba AWP Safety 250 SVV 14th Ave, Pompano Beach, Florida 33069

# Estimate Name: PBCWUD Ph 2 Project No. 22-033 -- Outside Single Lane Closure

WHO TO CONTACT FOR JOB ESTIMATES

Wade Sato | wade.sato@awpsafety.com | +1 4077397413

ESTIMATE Q-160556 -1 ESTIMATE DATE 1/16/2024

WHO TO CONTACT FOR SCHEDULING

Customer Call Center | info@awptraffic.com | (800) 343-2650 Schedule Online https://www.awptrafficsafety.com/schedule-now/

FDOT 102-613 - Weekday, daytime rate for a 2 Person Crew, 8 Hours On Site.

Driving Lane) -- Daily Rate

Single Lane Closure (Outside Same Day Call-out / Weeknight / Weekend daily rate for a 2 Person Crew, 8 Hours On Site will be billed at \$1,804.76.

> Each additional traffic control technician (if needed or required) will be billed at \$576.26 for 8 hours on site (weekday) or \$864.38 (same day call out / weeknight / weekend).

| PRODUCT  | PRODUCT DESCRIPTION   | PRODUCT<br>CODE | UOM      | QTY |  |  |
|--|---|-----------------|----------|-----|--|--|
| Traffic Control Employee<br>- Daily 8 Hr Rates | Traffic Control Employees  0-5 Hours on site will be billed at 75% of the Applicable Daily Rate.  5-8 Hours on site will be billed at 100% of the Applicable Daily Rate.  Overtime rate will be billed at \$91.19 | TCDR08          | Each     | 2   |  |  |
| Sign: Road Work Ahead                          | per man hour after 8 hours on site.  Road Work Ahead Sign   | W20-1           | <br>Each |     |  |  |
| Sign: Merge (Symbol)                           | Merge (Symbol) Sign Each  |                 |          |     |  |  |
| Sign: Right/Left Lane Closed Ahead             | Right/Left Lane Closed Ahead Sign   | Each            | 2        |     |  |  |

AWP Inc. - Page 1 of 4

| PRODUCT DESCRIPTION                                | PRODUCT<br>CODE   | UOM   | QTY  |  |
|--|---|---|--|--|
| Cone   | CONE  | Each  | 30   |  |
| Arrow Board  | ABDR  | Each  | 1  |  |
| Flagging Truck                                     | TRUCK   | Each  | 1.00   |  |
| Speeding Fines Double<br>When Workers Present Sign | FL-MOT-14-06  | Each  | 2  |  |
| Right Shoulder Closed Sign                         |   |   |  |  |
|  | Cone Arrow Board Flagging Truck Speeding Fines Double When Workers Present Sign | CODE  Cone CONE Arrow Board ABDR Flagging Truck TRUCK Speeding Fines Double When Workers Present Sign | CODE  Cone CONE Each Arrow Board ABDR Each Flagging Truck TRUCK Each Speeding Fines Double When Workers Present Sign  CODE  Each Each Each FL-MOT-14-06 Each |  |

Single Lane Closure (Outside Driving Lane) -- Daily Rate Daily Estimated Subtotal: \$1,248.86

See Service Terms and Conditions below - regarding cancellations, partial days, emergency callout, overtime, nights/weekends/Holidays...

Additional charges may apply for additional equipment or labor above estimated service (refer to price list for supplemental items).

| Estimated Duration | 8 Days     |
|--------------------|------------|
| Total              | \$9,990.88 |



# ESTIMATE

Corporate Office: Area Wide Protective 4244 Mt. Pleasant St NW North Canton, OH 44720

BILL TO Chen Moore and Associates 500 West Cypress Creek Road, Suite 630 Fort Lauderdale, Florida 33309

Local Office Area Wide Protective 250 SW 14th Ave, Pompano Beach, Florida 33069

# Estimate Name: PBCWUD Ph 2 Project No. 22-033 -- MOT Plan Design

WHO TO CONTACT FOR JOB ESTIMATES

Wade Sato | wade.sato@awpsafety.com | +1 4077397413

**ESTIMATE** Q-155755 -1 ESTIMATE DATE 7/6/2023

WHO TO CONTACT FOR SCHEDULING

Customer Call Center | info@awptraffic.com | (800) 343-2650 Schedule Online https://www.awptrafficsafety.com/schedule-now/

Lump sum amount.

Approximately 2-3 week turnaround time upon receipt of signed estimate.

**MOT Plan Design** 

Expediting fees will apply if shorter turnaround time is required. If requested, expedited plan will be billed at \$22,500.00.

Revisions will be billed at \$102.00 per hour (CAD time) and \$147.00 per hour (Design time) as needed.

| PRODUCT                    | PRODUCT DESCRIPTION                       | PRODUCT DESCRIPTION PRODUCT CODE |       | QTY |  |  |  |
|----------------------------|---|----------------------------------|-------|-----|--|--|--|
| Traffic Control Plan (TCP) | Traffic Control Plan                      | TCP                              | 60.00 |     |  |  |  |
|                            | MOT Plan Design Daily Estimated Subtotal: |                                  |       |     |  |  |  |

See Service Terms and Conditions below - regarding cancellations, partial days, emergency callout, overtime, nights/weekends/Holidays...

Additional charges may apply for additional equipment or labor above estimated service (refer to price list for supplemental items).

| Estimated Duration | 1 Days      |
|--------------------|-------------|
| Total              | \$16,500.00 |

AWP Inc. - Page 1 of 3

#### AWP Safety Service Terms and Conditions

- 1. Price list is valid until further notice; project estimates are valid for 30 days after transmission from AWP.
- 2. Standard billing rates apply to any planned work scheduled at least one week in advance.
- 3. Estimates may be based on an 8-hour day rate or 10-hour day rate according to customer requirements. The default day rate will be an 8-hour day if not specifically requested by the customer. Overtime (or night) work performed is billed at 1.5 times the per hour rate.
- 4. Any work scheduled on a weekend Saturday or Sunday or a holiday defined as one of the 11 U.S. Federal holidays will be charged at 2.0 times the standard billing rate. Emergency work any work or action necessary at the site of an emergency to restore or deliver essential services, including, but not limited to, repairing water, gas, electricity, telephone, sewer facilities, or public transportation facilities, removing fallen trees on public rights-of-way, dredging navigational waterways, or abating life-threatening conditions or a state of emergency declared by a governing agency – will be charged at 2.0 times the standard billing rate. In situations where multiple premium rates may apply, the highest applicable rate will be billed with a maximum of 2.0 times the standard billing rate.
- 5. The minimum daily rate is 5 hours for an 8-hour day rate and 7 hours for a 10-hour day rate. Any work performed over the minimum daily rate, but below the hours for a total daily rate, will be charged at the full day rate at AWP's sole discretion 6. Same week scheduled work is subject to have 1.2 times mark up at AWP's sole discretion.
- 7. Law Enforcement Officers (LEO) are billed with a 1.35 times markup plus a \$75 processing fee. LEO terms will be back-to-back to LEO contractor agreement.
- 8. Prevailing wage requirements and Permit Fees are billed with a 1.35 times mark-up.
- 9. Permit and Traffic Plans are individually priced based on scope and costs.
- 10. Per Diem and Port-to-Port will be billed at the applicable rates.
- 11. Escalation charges for fuel and labor will be applied as necessary based on indexes at AWP's sole discretion and reviewed on a monthly basis.
- 12. Payment Terms
  - a. Net 30 days for credit approved customers and pre-pay for customers not credit approved;
  - b. Interest on balances not paid within net 30 days will be charged at the rate of 18% per annum;
  - c. Credit card payment credit processing fees will be charged at a rate allowable by applicable law;
  - d. We must be notified in advance of situations calling for the payment of prevailing wages and fringes. In such cases, please consult the applicable U.S. Department of Labor Wage;
  - e. Special Events require an upfront deposit of 50% at least 14 days in advance of work being done.
- 13. Penalties

  - a. A \$50 surcharge is applied to all invoices rejected due to a lack of a job number, PO number, or customer signature.

    b. A billable cancel fee of 75% will be applied on all scheduled jobs canceled with less than 24 hours' notice. The minimum cancellation fee for all canceled jobs will be \$675 based on the assumption of a 2-man standard flagging operation. Billable cancel fees will not apply for inclement weather-related cancellations.
- 14. The above rates include all personnel and equipment charges relating to a DOT- defined standard flagging operation. Exceptions include crash trucks, arrow boards, message boards and work zone design services, which are priced based on specific job requirements.
- 15. Sales tax shall be charged at the applicable rate on all taxable transactions.

#### AWP Safety Equipment Rental Terms and Conditions

- 1. The rental of all equipment by you (the "Lessee") from AWP, Inc. DBA Area Wide Protective, Inc. (the "Lessor") is subject to the terms and conditions of this Lease Agreement (this "Agreement" or this "Lease Agreement").

  2. The Lessee shall not remove, alter, disfigure or cover up any more remove, alter, disfigure or cover up any equipment is subjected to careless or needlessly rough usage, and shall, at the Lessee's own expense, maintain and ultimately return to the Lessor the equipment and its appurtenances, together with any tools and accessories pertaining thereto, the whole in good repair and running order. The Lessee is responsible for all routine maintenance and repair. Without limiting the generality of the foregoing, the Lessee shall, at the Lessee's own expense, during the term of this Lease, pay the cost of; (a) all lubricants required to operate the equipment; (b) all repairs required to be made to the equipment to maintain the equipment in good repair and running order. The Lessee's own expense, during the term of this Lease, pay the cost of; (a) all lubricants required to operate the equipment; (b) all repairs required to be made to the equipment to maintain the equipment in good repair and running order. The Lessee's own expense, during the term of this Lease, pay the cost of; (a) all lubricants required to operate the equipment; (b) all repairs required to be made to the equipment to maintain the equipment during the term of this Lease. Without limiting the foregoing, the Lessee shall indemnify and hold harmless the Lessor against all loss, expenses, penalties, damages, condemnations and legal costs which the Lessor may suffer or may be required or condemned to pay for personal injuries (including death) and/or property damages suffered by any person because of the equipment or the operation, handling, transportation or use of the equipment by or while in the hands of the Lessee or the Lessee's employees, agents, representatives or carriers. The Lessee shall remain responsible for the equipment until it has been returned to the Lessor (or in the case of loss or theft of the equipment until the total replacement value of the equipment has been provided to the Lessor, as calculated Lessor (or in the case of loss or theft of the equipment until the total replacement value of the equipment has been provided to the Lessor, as calculate in accordance with the other provisions of these terms and conditions). The Lessee shall maintain at the Lessee's own expense, public liability and all risk property insurance in adequate amounts to fully cover this indemnity. The Lessee hereby renounces all claims against the Lessor for any loss or damage it may suffer, either directly or indirectly, by reason of the condition of the equipment or its suitability for the work Lessee performs.

  4. The Lessee agrees to pay, upon delivery, all monies as provided for in this Agreement and that in the event of non-payment by Lessee, Lessee
- agrees to pay all collection fees, including reasonable attorneys fees and costs incurred in the collection of unpaid monies.

  5. Without limiting the other provisions of this Agreement, the Lessee shall insure the equipment against all losses or damage of any kind whatsoever in: (a) an amount to be calculated in this Agreement; or (b) the amount of the equipment's full replacement cost, and hereby assigns to the Lessor all such policies of insurance and the proceeds therefrom. Replacement cost shall, for the purposes of this Agreement, be deemed to include disassembly, replacement and inspection of the equipment and/or loss of rental income and all other associated costs, excluding a deduction for depreciation. 6. The Lessee agrees that in the event of damages, loss or theft of the equipment, and whether or not through the negligence of the Lessee and/or its
- servants, agents, employees, or other users and whether or not acting within the scope of their employment, the Lessee will pay the Lessor the fair

market value cost of the equipment and rental charges shall continue until the equipment is returned to the Lessor, except in the case of loss or theft of the equipment, rental charges shall only continue until the Lessor receives the fair market value cost.

7. Our payment terms are net 30 days. Interest on balances not paid within net 30 days will be charged at the rate of 18% per annum.

8. The Lessor shall calculate the total number of calendar days of the equipment is in the Lessee's possession. The term shall be deemed to commence at the time the equipment departs from the Lessor's premises and shall be deemed to have terminated at the time the subject equipment arrives at the Lessor's premises. It is agreed by the parties that the rental period shall include the duration of time when the equipment is being transported to and from the Lessor's premises. There shall be a minimum one (1) day rental charge regardless of the actual period of rental if less than one (1) day.

#### **GOVERNING LAW; JURISDICTION; MISCELLANEOUS**

- 1. The provisions of this Agreement shall be governed, construed and enforced in accordance with the laws of the State of Ohio. The parties consent to the exclusive jurisdiction of the Stark County Court of Common Pleas for any actions, suits or proceedings arising out of or relating to this quote or the transactions contemplated by this Agreement. The parties agree that any action arising from or related to this quote shall not be subject to removal to federal court for any reason and each party irrevocably waives any such right. If Customer/Lessee removes or attempts to remove any action to federal court, notwithstanding the above prohibitions, Customer/Lessee shall pay AWP's reasonable attorneys' fees and costs incurred in obtaining a remand of the action. AWP is entitled to recover its attorney's fees and costs in enforcing this Agreement.
- 2. From the date of commencement of services until one year following the completion of services, Customer/Lessee and AWP both agree that they shall not solicit or offer to employ any employee of the other who is performing services under this Agreement, without the express written permission of an authorized representative. Both parties agree that any such solicitation, offer or employment of any employee who performed services under this Agreement would cause great or irreparable harm to each party and that each party would be damaged in an amount difficult to ascertain, but which would likely exceed double the annual compensation of the employee solicited (or former employee as the case may be) representing the cost of training a new employee. Accordingly, each party agrees to pay the other, as liquidated damages, an amount equal to double the solicited employee's (or former employee's) annual compensation.

| Purchase Order: |        | Billing<br>Reference: |  |
|-----------------|--------|-----------------------|--|
| Name (Print):   |        | Effective Date:       |  |
| Signature:      | 49,000 | Title:                |  |
|                 |        |                       |  |

Please sign and email to Wade Sato at wade.sato@awpsafety.com or fax to .

Quote #: Q-155755 -1

Quote Name: PBCWUD Ph 2 Project No. 22-033 -- MOT Plan Design





# Chen Moore and Associates CMA

500 S Australian Ave, Suite 850 West Palm Beach, FL 33401

Attention: Ms. Daniela Martinat, PE

Re: Scope of Services for Geotechnical Engineering Services

South County Reclaim Phase 2 Palm Beach County, Florida

PACIFICA Proposal No.: 610-12014505

PBCWUD Project No.: 22-033

#### Dear Ms. Martinat:

In accordance with your email and Scope of Services provided by CMA, Pacifica Engineering Services, LLC (PACIFICA), is pleased to submit this scope of services to perform a subsurface exploration program for the above-referenced project. Included herein is our understanding of the proposed development along with the scope of services, cost estimates, and anticipated schedules.

# GEOTECHNICAL SCOPE OF SERVICES

Based on the requested scope, PACIFICA proposes to perform the following geotechnical field services:

# **Basic Services**

- Perform Forty (40) SPT borings to a depth of ten (10) feet each along the open-cut route of the proposed ductile iron pipe (DIP) run,
- Perform Twenty (20) SPT borings to a depth of forty (40) feet each along the horizontal directional drill (HDD) location.
- Perform Ten (10) pavement cores, including base course measurements and patching
- Perform 2 borehole permeability tests

The SPT borings will be performed with truck-mounted machinery using rotary drilling procedures. Samples of the in-place materials will be recovered with a standard split barrel driven with a 140-pound hammer falling 30 inches (the Standard Penetration Test in accordance with ASTM D1586). After completion of drilling, all boreholes will be grouted, asphalt cold patch applied not in the wheel path, where needed, and the site generally cleaned, as required.

Underground utility clearance will be required prior to the commencement of the geotechnical field exploration. Therefore, PACIFICA will contact "Sunshine One-Call" Service to obtain underground public utility clearance. PACIFICA understands that private utilities will be marked by others prior to each mobilization.

Maintenance of Traffic (MOT) will be needed to perform the geotechnical scope of work. PACIFICA will submit MOT plans with an estimated schedule in accordance with FDOT standards for Keith for approval prior to the start of fieldwork. PACIFICA will use FDOT Maintenance of Traffic (MOT) Plans Design Standards Index Series 600 when developing MOT plans.

PACIFICA Proposal No.: 610-12014505

# **GEOTECHNICAL REPORT DELIVERABLES**

After the geotechnical field exploration is completed, a geotechnical engineer will review the soil samples and select samples will be tested for physical properties such as gradation, moisture content and organic content, if deemed necessary. The results of the geotechnical exploration will be transmitted in a report which will specifically contain the information listed below:

- 1. A location plan of the site showing the location of the soil borings.
- 2. Logs of the exploratory borings, which furnish the results of the borings and SPT sampling.
- Results of the percolation tests including hydraulic conductivity value "k".
- 4. The existence of organic soils or any other soil conditions.
- 5. Groundwater readings during the time of the field exploration.
- 6. On-Site Soil Suitability
- 7. Pavement Core Photographic Documentation and Data Table (for optional services)
- 8. FDOT Corrosivity Test Results (PH, Sulfates, Chlorides, Resistivity)
- 9. Soil Preparation Recommendations for Utilities

# **GEOTECHNICAL SCHEDULE**

Our study can begin one day after we receive authorization to proceed. We will start drilling after public underground utilities have been located and identified, which may take 2-4 business days. The geotechnical field exploration should be completed in 5 to 7 business days. Laboratory testing should be completed within one to two weeks following final field demobilization. The written report of the subsurface exploration will be available within two weeks following the completion of final laboratory testing. We estimate that our study will be completed within 5 weeks from your notice to proceed.



# COST BREAKDOWN FOR TESTING EXPENSES

#### 29-09-23

| DESCRIPTION  | UNIT | # OF   | UNIT RATE  | <u>TOTAL</u> |
|--|------|--------|------------|--------------|
|  |      | UNITS  |            |              |
| I. FIELD EXPLORATIONS  |      |        |            |              |
| Mobilization of Drill Equipment (50-mile travel)                                       | each | 6.0    | \$400,00   | \$2,400.00   |
| Standard Penetration Tests - Truck Rig (0' - 50')                                      | feet | 1200.0 | \$16.00    | \$19,200.00  |
| Grout Bore Hole (0 to 50 Feet)   | feet | 1200.0 | \$6.00     | \$7,200.00   |
| Casing (0 to 50 Feet)  | feet | 1200.0 | \$10.00    | \$12,000.00  |
| Percolation Test per SFWMD   | each | 2.0    | \$350.00   | \$700.00     |
| Coring Machine plus Generator Rental   | trip | 1.0    | \$380.00   | \$380.00     |
| Asphalt Cores (obtaining core samples)   | each | 10.0   | \$83.00    | \$830.00     |
| II. SOIL & AGGREGATETESTING  |      |        |            |              |
| Organic Content Test   | each | 20.0   | \$55.00    | \$1,100.00   |
| Natural Sample Moisture Content  | each | 30.0   | \$20.00    | \$600.00     |
| Grain size determination: Full grain size (8 sieves)                                   | each | 15.0   | \$78.00    | \$1,170.00   |
| Grain size determination: Wash through (#200)  | each | 17.0   | \$60.00    | \$1,020.00   |
| DOT Corrosivity - (pH, sulfate, chlorides & conductivity)                              | each | 5.0    | \$205.00   | \$1,025.00   |
| III. ENGINEERING SERVICES (MULTIPLIER: 3)  |      |        |            |              |
| Labor only, no expenses  |      |        |            |              |
| IV. MOT AND GPR  |      |        |            |              |
| Maintenance of Traffic (MOT) and Traffic control devices (under separate expense item) |      |        |            |              |
| Ground Pentration Radar (GPR) Scanning   | each | 6.0    | \$2,400.00 | \$14,400.00  |
| ESTIMATED GEOTECHNICAL TESTING EXPENSES FOR THE PROJECT                                | L    |        |            | \$62,025.00  |



Revised December 13, 2023 July 6, 2023

Mrs. Suzanne Dombrowski, PE, ENV SP Principal Engineer Chen Moore and Associates 500 S Australian Avenue, Suite 850 West Palm Beach, Florida 3340 I

Re: **Palm Beach County Water Utilities** 

South County Water Transmission Pipeline Phase II Lyons Road

PBCWUD Project Number # 22-033 PGAL Project Number # 1007069 Fee Proposal Pump Station

ALEXANDRIA ATLANTA AUSTIN BOCA RATON CHICAGO DALLAS/FORT WORTH DENVER HOBOKEN HOUSTON LAS VEGAS LOS ANGELES SALT LAKE CITY

SAN DIEGO

Suzanne.

Thank you for the opportunity to be a part of your dynamic team. We have outlined our scope and fees below and per Exhibit 'E'.

#### Scope:

Provide design and documentation for the reclaimed water pump station to be located on Lyons Road north of Glades Road adjacent to the GL Homes.

- 1. Kickoff Meeting and Design Expectations
- 2. Field Services
- 3. Preliminary Design
- 4. Detailed Design and Permit Drawings
- 5. Permitting Assistance
- 6. Bidding Assistance

# Project Tasks:

- Kick-off Meeting to discuss scope and design expectations
  - a. Proposed concept floor plan
  - Building Hardening requirements
  - c. Proposed systems to be incorporated
- 11. Prepare Construction Documents
  - a. Prepare a 30% submittal review setb. Prepare a 60% submittal review set Prepare a 30% submittal review set

  - Prepare a 90% submittal review set d. Prepare a 100% submittal review set
- 111. Permitting
  - a. Assist in PBC site plan approval (building)
  - b. Address building department permitting comments
- IV. Bidding assistance (I month)
  - a. Address bidding RFI's

- b. Attend Pre-bid Conference
- c. Assist in Reviewing and Compiling Bid Results
- d. Review Line Item Bids
- e. Provide Recommendation of Award Letter (pump station)

# Design Team:

Architectural: PGAL, Inc.

# **Proposed Fees:**

We propose to complete the work with our consulting team for an hourly not-to-exceed fee of  $\$85,\!357$  as outlined below and in our attached Exhibit 'E'. The services are through bidding assistance and do not include construction services

| Kickoff Meeting and Project Meetings (Hourly not-to-exceed)          | \$ 1,495  |
|--|-----------|
| Records Review, Site Investigation (Hourly not-to-exceed)            | \$ 2,492  |
| Prepare Construction Documents 30% submittal (Hourly not-to-exceed)  | \$ 19,201 |
| Prepare Construction Documents 60% submittal (Hourly not-to-exceed)  | \$ 19,754 |
| Prepare Construction Documents 90% submittal (Hourly not-to-exceed)  | \$ 22,520 |
| Prepare Construction Documents 100% submittal (Hourly not-to-exceed) | \$ 7,929  |
| Permit Services (Hourly not-to-exceed)                               | \$ 7,356  |
| Bidding Assistance (Hourly not-to-exceed)                            | \$ 4,610  |

Construction Phase Services are excluded from this proposal at the request of PBCWUD.

# Additional Services:

Additional services if required, including additional meetings, will be based on our approved hourly rates:

# Reimbursable Expenses:

Printing of all submittals will be by CMA.

If you have any questions, please do not hesitate to call.

Sincerely,

Samuel J. Ferreri, AIA Principal

# ATTACHMENT E SUBCONSULTANT FEE BREAKDOWN

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>Barnes, Ferland and Associates, Inc.</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|   |   | SUB TOTALS                                       |   |   |                          |                         |  |          | *************************************** |                |                         |
|---|---|--|---|---|--------------------------|-------------------------|--|----------|---|----------------|-------------------------|
| Task                                    | Tools Description   |  | eer set ser set ser ser ser ser ser ser ser ser ser ser |   |                          |                         | ≱ e  | Total    |   |                |                         |
| Number                                  | Task Description  | Senior<br>Project<br>Manager                     | Project<br>Engineer<br>III                              | Senior<br>Surveyor<br>and<br>Mapper     | Survey<br>Technicia<br>n | SUE 2<br>Person<br>Crew | Utility<br>Coordina<br>tor                       | Hours    | Total Labor                             | Total Expenses | Total Labor and Expense |
|   |   |  |   |   |                          | - hiteline              |  |          |   |                |                         |
|   | Raw Rate >  |  |   |   |                          |                         |  |          |   |                |                         |
|   | Multiplier >  |  | 2.82  | 2.82                                    | 2,82                     | 2.82                    | 2.82   |          |   |                |                         |
|   | Bili Rate >   | \$ 197.40  | \$ 112.80   | \$ 174.84                               | \$ 112.80                | \$ 157.92               | \$ 107.16  |          |   |                |                         |
| TASK 1                                  | Project Management and Coordination   |  |   |   |                          |                         |  |          | <del> </del>                            | 1              |                         |
|   | 1.1 Kickoff Meeting   |  |   |   |                          |                         |  | 0        | \$ -                                    | 1-             | \$ -                    |
|   | 1,2 Coordination and General Correspondence   |  |   |   |                          |                         |  | 0        | \$ -                                    |                | \$ -                    |
|   | 1,3 Progress Meetings   |  |   |   |                          |                         |  | 0        | \$ -                                    |                | \$ -                    |
|   | Task 1 - Subtotal   | 0  | 0   | 0                                       | 0                        | 0                       | 0  | 0        | \$ -                                    | \$0,00         | \$ -                    |
| TASK 2                                  | <br>  Field Services  | ļ  |   |   |                          |                         | <del>                                     </del> |          |   |                |                         |
| 174511 E                                | Subtask 2.1 - Records Review, Site Investigation and Photo Study                    | <del>                                     </del> |   |   |                          |                         |  |          | <u> </u>                                | <del> </del>   |                         |
|   | 2.1.1 Review of record drawings and previous studies                                |  |   |   |                          |                         |  | 0        | ts -                                    |                | \$ -                    |
|   | 2.1.2 Review of plans prepared by others adjacent to the project area (GL<br>Homes) |  |   | *************************************** |                          |                         |  | 0        | \$ -                                    |                | \$ -                    |
|   | 2.1.3 Site visit  |  |   |   |                          |                         |  | 0        | \$ -                                    |                | \$ -                    |
|   | 2.1.4 Prepare Technical Memo of Field Observations                                  | <del> </del>                                     |   |   |                          |                         |  | 0        | \$ -                                    | <del> </del>   | \$ -<br>\$ -            |
|   | Task 2.1- Total   | 0  | 0   | 0                                       | 0                        | 0                       | 0  | 0        | \$ -                                    | ls -           | \$ -                    |
|   | Subtask 2.2 - Subsurface Utility Engineering (SUE)                                  | <del>-                                    </del> |   |   |                          |                         | <del>                                     </del> |          | -                                       |                | -                       |
|   | Palm Bonch County and Clasida Department of Transportation Sight of                 | <del> </del>                                     |   |   |                          |                         |  |          |   |                |                         |
|   | 2.2.1 Way Permitting  | 6  | 15  |   |                          |                         |  | 21       | \$ 2,876.40                             |                | \$ 2,876,40             |
|   | 2.2.2 Level A - Potholes for Verification of Utility Locations                      |  |   |   |                          |                         |  | 0        | \$ -                                    |                | \$ -                    |
|   | 2.2.3 Level B - Scan and Sweep / Targeting  | <del> </del>                                     |   | 8                                       | 8                        | 64                      |  | 80       | \$ 12,408.00                            | ļ              | \$ 12,408.00            |
|   | 2.2.4 Level C - Design Tickets and Records Research 2.2.5 Maintenance of Traffic    | <del>i</del>                                     |   |   |                          |                         | ļļ   | 0        | \$ -                                    | ļ              | \$ -                    |
|   | Z.2.5 Maintenance of Traffic Task 2.2- Total  | 6  | 15  | 8                                       | 8                        | 64                      |  | 0        | \$ -                                    |                | \$ -                    |
| ····                                    | Subtask 2.3 - Geotechnical Investigation  |  | 15  | 8                                       |                          | 64                      | 0  | 101      | \$ 15,284.40                            | \$ -           | \$ 15,284.40            |
|   | 2.3.1 Palm Beach County and FDOT Right-of-Way Permitting                            | ļI   |   |   |                          |                         |  | 0        | \$ -                                    |                | A                       |
|   | 2.3.2 Soll Barings and Geotechnical Testing   | <del> </del>                                     |   |   |                          |                         |  | 0        | \$ -<br>\$ -                            |                | \$ -                    |
|   | Task 2.3- Total   | 0  | 0   | 0                                       | Ð                        | 0                       | 0  |          | \$ -                                    | s -            | \$ -<br>\$ -            |
|   | Subtask 2.4 - Survey  | <del>-                                    </del> | •   | v                                       |                          |                         | •  |          | 3                                       | \$ -           | <u>\$</u>               |
|   | 2.4.1 Route Survey  | <del>                                     </del> |   |   |                          |                         |  | 0        | Ś -                                     |                | \$ -                    |
|   | 2.4.2 Topographic Survey  | <del> </del>                                     |   |   |                          |                         | <del></del>                                      | - 0      | \$ -                                    |                | \$ -                    |
|   | 2.4.3 Pump Station Site Boundary and Topographic Survey                             | <del> </del>                                     |   |   | - 1                      |                         |  | 0        |   |                | \$ -                    |
| *************************************** | 2.4.4 Preparation of Sketch and Legal Descriptions for easements as needed          |  |   |   |                          |                         |  | 0        | \$ -                                    |                | \$ -                    |
|   | 2.4,5 Maintenance of Traffic  |  |   |   |                          | i                       |  | C        | \$ -                                    |                | \$ -                    |
|   | Task 2.4- Total   | 0  | 0   | 0                                       | 0                        | 0                       | 0  | <u>ŏ</u> | \$ -                                    | s -            | \$ -                    |
|   |   | -  |   |   |                          |                         | -  |          |   |                | <u> </u>                |
|   | Task 2 - Subtotal   | 6  | 15  | 8                                       | 8                        | 64                      | 0  | 101      | \$ 15,284.40                            | \$ -           | \$ 15,284.40            |
| TASK 3                                  | Preliminary Design  | <del>                                     </del> |   |   |                          |                         |  |          |   |                |                         |
|   | Subtask 3.1 - Outfall Operational Review  |  |   |   |                          |                         |  |          |   |                |                         |
|   | 3.1.1 Site visit to each location, with PBCWUD                                      |  |   |   |                          |                         |  | 0        | \$ -                                    | ļ              | \$ -                    |
|   | 3.1.2 Review permit conditions for each outfall                                     |  |   |   |                          |                         |  | 0        | \$ -                                    |                | \$ -                    |
| *************************************** | 3.1.3 Review available records to determine the infrastructure in place to          |  |   |   |                          |                         |  |          | T                                       |                |                         |
|   | 3.1.3 each outfall  |  |   |   |                          |                         |  | 0        | \$ -                                    |                | \$ -                    |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>Barnes, Ferland and Associates, Inc.</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|                |  |                              |                            |                                     | ·                        |                         | ,                          |                |   | SUB TOTALS                                     |                         |
|----------------|--|------------------------------|----------------------------|-------------------------------------|--------------------------|-------------------------|----------------------------|----------------|---|--|-------------------------|
| Task<br>Number | Task Description   | Senior<br>Project<br>Manager | Project<br>Engineer<br>III | Senior<br>Surveyor<br>and<br>Mapper | Survey<br>Technicia<br>n | SUE 2<br>Person<br>Crew | Utility<br>Coordina<br>tor | Total<br>Hours | Total Labor                             | Total Expenses                                 | Total Labor and Expense |
|                |  |                              |                            |                                     | <b></b>                  |                         |                            |                |   |  | ~~~                     |
|                | Raw Rate >   |                              |                            |                                     |                          |                         |                            |                |   |  |                         |
|                | Multiplier >   | 2.82                         | 2.82                       | 2.82                                | 2.82                     | 2.82                    | 2,82                       |                |   |  |                         |
|                | Bill Rate >  | \$ 197.40                    | \$ 112.80                  | \$ 174.84                           | \$ 112.80                | \$ 157.92               | \$ 107.16                  |                |   |  |                         |
|                | 3.1.4 Prepare Technical Memorandum                               |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | Subtask 3.1- Total   | 0                            | 0                          | 0                                   | 0                        | 0                       | 0                          | Đ              | \$ -                                    | \$ -   | \$                      |
|                | Subtask 3.2 - Pump Station Basis of Design Report and 10% Design |                              |                            |                                     |                          |                         |                            |                |   |  |                         |
|                | 3.2.1 Basis of Design Report (BODR) Conceptual 10% Design        |                              |                            | <b></b>                             |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 3.2.2 Design, BIM, Quality Management, OPCC, Schedule            |                              |                            |                                     | ļ                        |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 3.2.3 Proc-Mech BODR   |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 3.2.4 Surge Analysis   |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 3.2.5 Quality Review   |                              |                            | H                                   | ļ                        |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 3.2.6 Workshop   |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | Subtask 3.2- Total   | 0                            | 0                          | 0                                   | 0                        | 0                       | 0                          | 0              | \$ -                                    | \$ -   | \$ -                    |
|                | Subtask 3,3 - 30% Pipeline Design Plan Preparation               |                              |                            |                                     |                          |                         |                            |                |   |  |                         |
|                | 3.3.1 30% Pipeline Plans   |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | Subtask 3.3- Total   | 0                            | 0                          | 0                                   | 0                        | 0                       | 0                          | 0              | \$ -                                    | \$ -   | \$ -                    |
|                | Subtask 3.4 - 30% Pump Station Design Plan Preparation           |                              |                            |                                     |                          |                         |                            |                |   |  |                         |
|                | 3.4.1 Basis of Design Report (BODR) Conceptual 30% Design        |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 3.4.2 Design, BIM, and Quality Management                        |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 3.4.3 General Sheets   |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 3.4.4 Proc-Mech Design   |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 3.4.5 OPCC and Construction Schedule                             |                              |                            |                                     |                          | ,                       |                            | 0              | \$ -                                    |  | \$ .                    |
|                | 3.4.6 Quality Review   |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 3.4.7 Workshap   |                              |                            |                                     |                          |                         |                            | 0 .            | \$ -                                    |  | \$ -                    |
|                | 3.4.8 Site Civil Engineering                                     |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 3.4.9 Landscape Architecture                                     |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 3.4.10 Electrical Engineering                                    |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 3.4.11 Plumbing Engineering                                      |                              |                            |                                     |                          |                         |                            |                |   | <u>†                                      </u> | 1                       |
|                | 3.4.12 HVAC Engineering  |                              |                            |                                     |                          |                         |                            |                |   |  |                         |
|                | 3.4.13 Structural Engineering                                    |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 3.4.14 Architectural   |                              |                            |                                     |                          | l                       |                            | 0              | \$ -                                    | 1  | s -                     |
|                | Subtask 3.4- Total   | 0                            | 0                          | 0                                   | 0                        | 0                       | 0                          | 0              | \$ -                                    | 3  | s -                     |
|                |  |                              |                            |                                     |                          |                         |                            |                |   |  |                         |
|                | Task 3 - Subtotal  | 0                            | 0                          | 0                                   | 0                        | 0                       | 0                          | 0              | \$ -                                    | \$ -   | \$ -                    |
|                |  |                              |                            |                                     |                          |                         |                            |                | *************************************** |  |                         |
|                | Detailed Design  |                              |                            |                                     |                          |                         |                            |                |   |  |                         |
| !              | iubtask 4,1 - 60% Pump Station Design Submittal                  |                              |                            |                                     |                          |                         |                            |                |   |  |                         |
|                | 4.1.1 Design, BIM, and Quality Management                        |                              |                            |                                     |                          |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 4.1.2 General Sheets   |                              |                            |                                     |                          |                         | 1                          |                | \$ -                                    |  | š -                     |
|                | 4.1.3 Proc-Mech Design   |                              |                            |                                     |                          | ľ                       |                            |                | \$ -                                    |  | s -                     |
|                | 4.1.4 OPCC and Construction Schedule                             |                              |                            |                                     |                          |                         |                            | 0              | š -                                     |  | \$ -                    |
|                | 4.1.5 Quality Review   |                              |                            |                                     | 1                        |                         |                            | 0              | \$ -                                    |  | \$ -                    |
|                | 4.1.6 Workshop   |                              |                            |                                     |                          | *****                   |                            |                | \$ -                                    |  | \$ -                    |
| Т              | 4.1.7 Site Civil Engineering                                     |                              |                            |                                     |                          |                         |                            | 0              | <u>\$</u>                               |  | \$ .                    |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>Barnes, Ferland and Associates, Inc.</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|                |  |                              |                            |                                     |                          |                         |                            |                |             | SUB TOTALS     |                         |
|----------------|--|------------------------------|----------------------------|-------------------------------------|--------------------------|-------------------------|----------------------------|----------------|-------------|----------------|-------------------------|
| Task<br>Number | Task Description                                 | Senior<br>Project<br>Manager | Project<br>Engineer<br>III | Senior<br>Surveyor<br>and<br>Mapper | Survey<br>Technicia<br>n | SUE 2<br>Person<br>Grew | Utility<br>Coordina<br>tor | Total<br>Hours | Total Labor | Total Expenses | Total Labor and Expense |
|                |  | 1                            |                            |                                     |                          |                         |                            |                |             |                |                         |
|                | Raw Rate   |                              |                            | ···                                 |                          |                         |                            |                |             |                |                         |
|                | Multiplier                                       |                              | 2.82                       | 2.82                                | 2.82                     | 2,82                    | 2.82                       |                |             |                |                         |
|                | Bill Rate  | > \$ 197.40                  | \$ 112.80                  | \$ 174.84                           | \$ 112.80                | \$ 157.92               | \$ 107.16                  |                |             |                |                         |
|                | 4.1.8 Landscape Architecture                     |                              |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.1.9 Electrical Engineering                     |                              |                            |                                     |                          |                         |                            | O              | \$ -        |                | \$ -                    |
|                | 4.1.10 Plumbing Engineering                      |                              |                            | ļ                                   |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.1.11 HVAC Engineering                          |                              |                            |                                     |                          | <b>!</b>                |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.1,12 Structural Engineering                    | <u> </u>                     |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.1.13 Architectural                             |                              |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | Subtask 4,1- Tot                                 | al O                         | 0                          | 0                                   | 0                        | 0                       | 0                          | 0              | \$ -        | \$ -           | \$ -                    |
|                | Subtask 4.2 - 90% Pipeline Design Submittal      |                              | <b></b>                    |                                     |                          | ļ                       | <u> </u>                   |                |             |                |                         |
|                | 4.2.1 90% Pipeline Plans                         |                              |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.2.2 90% Specifications                         | ļ                            |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.2.3 90% Opinion of Probable Cost               |                              | <u> </u>                   |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | Subtask 4.2- Tot                                 | al 0                         | 0                          | 0                                   | 0                        | 0                       | 0                          | Ð              | \$ -        |                | \$ -                    |
|                | Subtask 4.3 - 90% Pump Station Design Submittal  |                              |                            | ļ                                   |                          | į                       |                            |                |             |                |                         |
|                | 4.3.1 Design, BIM, and Quality Management        |                              |                            | <b>[</b>                            |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.3.2 General Sheets                             |                              | <u> </u>                   |                                     |                          |                         |                            | 0              | \$ -        | ļ              | \$ -                    |
|                | 4,3.3 Proc-Mech Design                           |                              |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.3.4 OPCC and Construction Schedule             |                              |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.3.5 Quality Review                             | 1                            |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4,3,6 Workshop                                   |                              |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.3.7 Site Civil Engineering                     |                              |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.3.8 Landscape Architecture                     |                              |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.3.9 Electrical Engineering                     |                              |                            |                                     |                          |                         |                            | C              | \$ -        |                | \$ -                    |
|                | 4,3.10 Plumbing Engineering                      |                              |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4,3.11 HVAC Engineering                          |                              |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.3.12 Structural Engineering                    |                              |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.3.13 Architectural                             |                              |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | Subtask 4.3- Tot                                 | al 0                         | 0                          | 0                                   | 0                        | 0                       | 0                          | 0              | \$ -        | \$ -           | \$ -                    |
|                | Subtask 4.4 - 100% Pipeline Design Submittal     |                              |                            |                                     |                          |                         |                            |                |             |                |                         |
|                | 4.4.1 100% Pipeline Plans                        |                              |                            |                                     |                          |                         |                            | O              | \$ -        |                | \$ -                    |
|                | 4.4.2 100% Specifications                        |                              |                            |                                     |                          |                         |                            |                | \$ -        |                | \$ -                    |
|                | 4.4.3 100% Opinion of Probable Cost              |                              |                            |                                     |                          |                         |                            |                | \$ -        |                | \$ -                    |
|                | Subtask 4.4- Tota                                | ıl o                         | 0                          | 0                                   | 0                        | 0                       | 0                          | 0              | \$ -        | \$ -           | \$ -                    |
|                | Subtask 4.5 - 100% Pump Station Design Submittal | <b>.</b>                     |                            |                                     |                          |                         |                            |                |             |                |                         |
|                | 4.5.1 Design, BIM, and Quality Management        |                              |                            | ,                                   |                          |                         |                            |                | \$ -        |                | \$                      |
|                | 4.5.2 General Sheets                             | 1                            |                            |                                     |                          |                         |                            |                | \$ -        |                | \$                      |
|                | 4.5.3 Proc-Mech Design                           | 1                            |                            |                                     |                          |                         |                            |                | <u> </u>    |                | <u> </u>                |
|                | 4.5.4 OPCC and Construction Schedule             | . <b>ļ</b>                   |                            |                                     |                          |                         |                            |                | \$ -        |                | \$ -                    |
|                | 4.5.7 Site Civil Engineering                     |                              |                            |                                     |                          |                         |                            |                | \$ -        |                | \$ -                    |
|                | 4.5.8 Landscape Architecture                     | 1                            |                            |                                     |                          |                         |                            |                | \$ -        |                | \$ -                    |
|                | 4.5.9 Electrical Engineering                     | 1                            |                            |                                     |                          |                         |                            |                | \$          |                | <u> </u>                |
|                | 4.5.10 Plumbing Engineering                      |                              |                            |                                     |                          |                         |                            |                | \$ -        |                | 5 -                     |
|                | 4.5.11 HVAC Engineering                          | <u> </u>                     |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |
|                | 4.5.12 Structural Engineering                    | 11                           |                            |                                     |                          |                         |                            | 0              | \$ -        |                | \$ -                    |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: Barnes, Ferland and Associates, Inc.
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2
PBCWUD Project No.: 23-053

|                |  | 1                            |   | ·····                               |                                       |                         |                                       |                |   | CLID TOTAL                                       |                         |
|----------------|--|------------------------------|---|-------------------------------------|---------------------------------------|-------------------------|---------------------------------------|----------------|---|--|-------------------------|
|                |  |                              | <u> </u>                                | T                                   | l re                                  | T                       | I                                     |                |   | SUB TOTALS                                       |                         |
| Task<br>Number | Task Description   | Senior<br>Project<br>Manager | Project<br>Engineer                     | Senior<br>Surveyor<br>and<br>Mapper | Survey<br>Technicia<br>n              | SUE 2<br>Person<br>Crew | Utility<br>Coordina<br>tor            | Total<br>Hours | Total Labor                                   | Total Expenses                                   | Total Labor and Expense |
|                | Raw Rate >   | \$ 70.00                     | \$ 40.00                                | \$ 62.00                            | \$ 40.00                              | \$ 56.00                | \$ 38.00                              |                |   |  | <del> </del>            |
|                | Multiplier>  | 2.82                         | 2.82                                    | 2.82                                | 2.82                                  | 2.82                    | 2.82                                  |                |   |  |                         |
|                | Bill Rate >  |                              |   |                                     |                                       |                         |                                       |                |   |  |                         |
|                | 4.5.13 Architectural   | 9 137,40                     | 7 112.00                                | 3 174.04                            | 3 112.00                              | \$ 137.52               | 3 107.16                              | 0              | s -   |  |                         |
|                | Subtask 4.5- Total   | 0                            | 0                                       | 0                                   | 0                                     | 0                       | 0                                     | 0              |   | \$ -   | \$ -                    |
|                | 30000173   | <u>-</u>                     | -                                       |                                     | _ •                                   | <u> </u>                | , , , , , , , , , , , , , , , , , , , |                | \$ -  | 5 -  | \$ -                    |
|                | Task 4 - Subtotal  | 0                            | 0                                       | 0                                   | 0                                     | 0                       | 0                                     | 0              | \$ -  | 6 .  | s -                     |
|                | Address of the second of the s | _ ·                          |   |                                     |                                       |                         |                                       | v              | -   |  | \$ -                    |
| TASK 5         | Pipeline Permitting Services   |                              |   |                                     |                                       |                         |                                       |                |   | <b>-</b>   |                         |
|                | Subtask 5.1 - Permitting for Roadway Impacts (PBC Land Development)  |                              |   |                                     |                                       |                         |                                       |                | -   | ····   |                         |
|                | 5.1.1 Pre-Application Meeting  |                              |   |                                     |                                       |                         |                                       | 0              | \$ -  |  | \$ -                    |
|                | 5.1.2 Prepare and Submit Application Data  |                              |   |                                     |                                       |                         |                                       | 0              | \$ -  |  | \$ -                    |
|                | 5.1.3 Revise and Resubmit Application Documents  |                              |   |                                     |                                       |                         |                                       | 0              | \$ -  | 1  | š -                     |
|                | Subtask 5,1- Total   | 0                            | 0                                       | 0                                   | 0                                     | 0                       | Ð                                     | 0              | \$ -  | \$ -   | ŝ -                     |
|                | Subtask 5.2 - Permitting for Roadway Impacts (FDOT)  |                              |   |                                     |                                       |                         |                                       |                |   |  | T                       |
|                | 5.2,1 Pre-Application Meeting  |                              |   |                                     |                                       |                         |                                       | 0              | \$ -  |  | \$ -                    |
|                | 5.2.2 Prepare and Submit Application Data and Plans  |                              |   |                                     |                                       |                         |                                       | O              | 5 -   |  | \$ -                    |
|                | 5.2.3 Revise and Resubmit Application Documents  |                              |   |                                     |                                       |                         |                                       | 0              | \$ -  |  | \$ -                    |
|                | Subtask 5.2- Total   | 0                            | 0                                       | 0                                   | 0                                     | 0                       | 0                                     | . 0            | \$ -  | \$ -   | \$ -                    |
|                | Subtask 5.3 - Permitting with Lake Worth Drainage District   |                              |   |                                     |                                       |                         |                                       |                |   |  |                         |
|                | 5.3.1 Pre-Application Meeting  |                              |   |                                     |                                       |                         |                                       | D              | \$ -  |  | \$ -                    |
|                | 5.3.2 Prepare and Submit Application Data  |                              |   |                                     |                                       |                         |                                       | 0              | \$ -  |  | \$ -                    |
|                | 5.3.3 Revise and Resubmit Application Documents  |                              |   |                                     |                                       |                         |                                       | 0              | \$ -  |  | \$ -                    |
|                | Subtask 5.3- Total   | 0                            | 0                                       | 0                                   | 0                                     | 0                       | 0                                     | 0              | \$ -  | \$ .   | \$ -                    |
|                | Subtask 5.4 - Pump Station Permitting Services   |                              |   |                                     |                                       |                         |                                       |                |   |  |                         |
|                | 5.4.1 PBC Site Plan Approval   |                              |   |                                     |                                       |                         |                                       | 0              | \$ -  |  | \$ -                    |
|                | 5.4.2 SFWMD Environmental Resources Permitting   |                              |   |                                     |                                       |                         |                                       | 0              | \$ -  | ļ  | \$ -                    |
|                | 5.4.3 PBC Land Development Drainage Review   |                              |   |                                     |                                       |                         |                                       | 0              | \$ -  |  | \$ -                    |
|                | S.4.4 PBC Building Department Review Subtask 5.4- Total  |                              |   |                                     |                                       |                         |                                       | 0              | \$ -  | ļ  | \$ -                    |
|                | Subtask 5.4- Total   | 0                            | 0                                       | O                                   | 0                                     | 0                       | 0                                     | 0              | \$ -  | \$ -   | \$ -                    |
|                | Task 5 - Subtotal  | 0                            | 0                                       |                                     | o                                     |                         |                                       |                | _   | ļ  |                         |
|                | 18303005 - C 18281   | У                            | v                                       | v                                   |                                       | - 0                     | 0                                     | 0              | \$ -  | \$ -   | \$ -                    |
| TASKE          | Bidding Support  |                              |   |                                     |                                       |                         |                                       |                |   | <del> </del>                                     |                         |
|                | 6.1 Review the Bid Advertisement   |                              |   |                                     | +                                     |                         |                                       | 0              | \$ -  | <del> </del>                                     | *                       |
|                | 6.2 Attend Pre-Bid Meeting   |                              |   |                                     |                                       |                         | ····-                                 |                |   | <del>                                     </del> | \$ -                    |
|                | 6.3 Updated OPCC and Schedule  |                              |   |                                     |                                       | +                       |                                       | 0              | \$ -<br>\$ -                                  | ļ  | \$ -<br>\$ -            |
|                | 6.4 Respond to Requests for Additional Information   |                              |   |                                     |                                       |                         |                                       | ~ ~            | \$ -  |  |                         |
| f              | 6.5 Review and Compile Bid Results   |                              | *************************************** |                                     |                                       |                         |                                       |                | \$ -<br>\$ -                                  |  | \$ -<br>\$ -            |
|                | 6.6 Perform Sensitivity Analysis on Line Item Pricing from Bidders   | i                            | -                                       |                                     | -                                     |                         |                                       | 0              | \$ -  |  | \$ -                    |
|                | 6.7 Provide Recommendation of Award Letter   | 1                            |   |                                     |                                       |                         |                                       | 0              | \$ -  | <u> </u>   | \$ -                    |
|                | 6.8 Preparation of Conformed Documents   |                              |   | İ                                   | · · · · · · · · · · · · · · · · · · · |                         | +                                     | 0              | <u>,                                     </u> |  | \$ -                    |
|                | Task 6 - Subtotal  | 0                            | 0                                       | 0                                   | 0                                     | 0                       | 0                                     | 0              | <u> </u>                                      | s .  | \$ .                    |
|                |  |                              |   |                                     |                                       |                         |                                       |                | т   | † <del>*</del>                                   | <u>Y</u>                |
| TASK 7         | Outfall Design and Permitting  |                              | İ                                       |                                     |                                       | - i                     |                                       |                |   |  |                         |
| f              | 7.1 Outfall Topographic Survey   |                              | ""                                      |                                     |                                       |                         |                                       | 0              | \$ -  |  | ٠ -                     |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>Barnes, Ferland and Associates, Inc.</u> Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

| L .            |   |                              |       |                            |                    |               |   |  |   |                            |                |              |            | SUB TOTALS     | *************************************** |
|----------------|---|------------------------------|-------|----------------------------|--------------------|---------------|---|--|---|----------------------------|----------------|--------------|------------|----------------|---|
| Task<br>Number | Task Description                                  | Senior<br>Project<br>Manager |       | Project<br>Engineer<br>III | Senior<br>Surveyor | and<br>Mapper | Survey<br>Technicia<br>n                |  | SUE 2<br>Person<br>Crew                 | Utility<br>Coordina<br>tor | Total<br>Hours | Т            | otal Labor | Total Expenses | Total Labor and Expense                 |
|                | Raw Rate >  | ć 70.                        | 00 \$ | 10.00                      | ,                  | 62.00         | <i>t</i> 10.00                          | +-                                     |   |                            |                |              |            |                |   |
|                | Multiplier >                                      | <u> </u>                     | N   3 |                            |                    | 62.00         | **                                      | \$                                     | 56.00                                   |                            |                | <u> </u>     |            |                |   |
| <del></del>    |   |                              |       | 2,82                       |                    | 82            | 2.82                                    | ١.                                     | 2.82                                    | 2.82                       |                | _            |            |                |   |
| <del> </del>   | B# Rate >   | \$ 197.4                     | 10 3  | 112.80                     | >                  | 174.84        | \$ 112.80                               | 15                                     | 157.92                                  | \$ 107.16                  |                | ļ            |            |                |   |
| <del> </del>   | 7.2 Outfall Design Improvements                   | <del></del>                  |       |                            | ļ                  |               |   | ╄                                      |   |                            | 0              | \$           | -          |                | \$                                      |
| $\vdash$       | 7.3 Outfall Improvements Permitting               | <b></b>                      | _     |                            |                    |               |   | ــــــــــــــــــــــــــــــــــــــ |   |                            | O              | \$           | -          |                | \$ -                                    |
|                | 7.4 Maintenance of Traffic                        |                              |       |                            |                    |               |   |  |   |                            | 0              | <b>[</b> \$  | -          |                | \$ -                                    |
|                | 7.5 Instrumentation                               |                              |       |                            |                    |               |   |  |   |                            | 0              | \$           | -          |                | \$ .                                    |
| ļ              | Task 7 - Subtotal                                 | 0                            | +     | 0                          |                    | 0             | 0                                       | 4                                      | 0                                       | 0                          | 0              | \$           | <u>-</u>   | \$ -           | \$ -                                    |
|                | Sum of Task 1-7                                   |                              | ╫     |                            |                    |               |   | ╁┈                                     |   |                            |                | 4            | 15,284.40  | \$0.00         | \$ 15,284,40                            |
|                |   |                              | 1     |                            |                    |               | *************************************** | T                                      | *************************************** |                            |                | <del>-</del> | 20/201110  | 20.00          | 2 13,204,40                             |
|                | Labor Subtotal Hours                              | 6                            |       | 15                         | 1                  | 8             | 8                                       | T                                      | 64                                      | 0                          | 101            | <b></b>      | 101        |                | ····                                    |
|                | Labor Raw Costs                                   | \$ 70.0                      | 0 \$  | 40.00                      | \$                 | 62.00         | \$ 40.00                                | \$                                     | 56.00                                   | \$ 38.00                   |                |              |            |                | *******                                 |
|                | Labor Subtotal (Bill Rate * Labor Subtotal Hours) | \$ 1,184.4                   | 0 \$  | 1,692.00                   | \$ 1,              | 398.72        | \$ 902.40                               | \$                                     | 10,106.88                               |                            |                | \$           | 15,284.40  |                |   |
| <del></del>    | PROJECT TOTAL                                     |                              | +     |                            |                    |               |   | ╀                                      |   |                            | 101            | <u> </u>     | 15,284.40  | \$0.00         | \$ 15,284.40                            |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>Engineered Design Services, LLC</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|                |   |                 |                  |                 |          |                       | T              |             | CUD TOTALS     |                          |
|----------------|---|-----------------|------------------|-----------------|----------|-----------------------|----------------|-------------|----------------|--------------------------|
|                |   |                 |                  |                 |          | Г                     |                | T           | SUB TOTALS     |                          |
| Task<br>Number | Task Description  | Project Manager | Project Engineer | Engineer Intern | Designer | Eng Tech /<br>Drafter | Total<br>Hours | Total Labor | Total Expenses | Total Labor and Expenses |
|                |   |                 |                  |                 |          |                       |                |             |                |                          |
|                | Raw Rate >  |                 |                  |                 |          |                       |                |             |                |                          |
|                | Multiplier >  | 2.72            | 2.72             | 2.72            | 2.72     | 2.72                  |                |             |                |                          |
|                | Bill Rate >   | \$ 195.84       | \$ 130.56        | \$ 108.80       | \$ 97.92 | \$ 81.60              |                | ļ           |                |                          |
|                |   |                 |                  |                 |          |                       |                |             |                |                          |
| TASK 1         | Project Management and Coordination   |                 |                  |                 |          |                       |                |             |                |                          |
|                | 1.1 Kickoff Meeting   |                 |                  |                 |          | <u> </u>              | 0              | \$ -        |                | <u> </u>                 |
|                | 1.2 Coordination and General Correspondence   |                 |                  |                 |          |                       | 0              | \$ -        | ļ              | \$ -                     |
|                | 1,3 Progress Meetings   |                 |                  |                 | _        |                       | 0              | \$ -        | <u> </u>       | \$ -                     |
|                | Task 1 - Subtotal   | 0               | 0                | 0               | 0        | 0                     | 0              | \$ -        | \$ -           | \$ .                     |
|                |   |                 |                  | 1               |          |                       |                |             | -              |                          |
| TASK 2         | Field Services Subtask 2.1 - Records Review, Site Investigation and Photo Study             |                 |                  |                 |          |                       |                |             |                |                          |
|                |   |                 |                  |                 |          | <b> </b>              | 0              | š -         |                | \$ -                     |
|                | 2.1.1 Review of record drawings and previous studies  |                 |                  |                 |          |                       | U              | ,           |                | , -                      |
|                | 2.1.2 Review of plans prepared by others adjacent to the project area (GL Homes)            |                 |                  |                 |          |                       | 0              | \$ -        |                | \$ -                     |
|                | 2,1.3 Site visit  |                 |                  |                 |          |                       | 0              | \$ -        |                | \$ -                     |
|                | 2.1.4 Prepare Technical Memo of Field Observations  |                 |                  |                 |          | <u> </u>              | 0              | \$ -        |                | \$ -                     |
|                | Task 2.1- Total   | 0               | 0                | 0               | 0        | 0                     | 0              | \$ -        | \$ -           | \$ -                     |
|                | Subtask 2.2 - Subsurface Utility Engineering (SUE)  |                 |                  |                 |          |                       |                |             |                |                          |
|                | 2.2.1 Palm Beach County and Florida Department of<br>Transportation Right-of-Way Permitting |                 |                  |                 |          |                       | 0              | \$ -        |                | \$ -                     |
|                | 2.2.2 Level A - Potholes for Verification of Utility Locations                              |                 |                  |                 |          |                       | 0              | \$ -        | <u> </u>       | \$ -                     |
|                | 2.2.3 Level B - Scan and Sweep / Targeting  |                 |                  |                 |          |                       | C              | \$ -        |                | \$ -                     |
|                | 2.2.4 Level C - Design Tickets and Records Research   |                 |                  |                 |          |                       | 0              | \$ -        |                | \$ -                     |
|                | 2.2.5 Maintenance of Traffic  |                 |                  |                 |          |                       | 0              | \$ -        |                | \$ -                     |
|                | Task 2.2- Total   | 0               | 0                | 0               | 0        | 0                     | 0              | \$ -        | \$ -           | \$ -                     |
|                | Subtask 2.3 - Geotechnical Investigation  |                 |                  |                 |          | <b></b>               |                |             |                |                          |
|                | 2.3.1 Palm Beach County and FDOT Right-of-Way Permitting                                    |                 |                  |                 |          |                       | 0              | \$ -        |                | \$ -                     |
|                | 2,3.2 Soil Borings and Geotechnical Testing   |                 |                  |                 |          |                       | 0              | \$ -        |                | \$ -                     |
|                | Task 2.3- Total   | 0               | 0                | 0               | 0        | 0                     | 0              | \$ -        | \$ -           | \$ -                     |
|                | Subtask 2.4 - Survey  |                 |                  |                 |          |                       |                |             |                |                          |
|                | 2.4.1 Route Survey  |                 |                  |                 |          |                       | 0              | \$ -        |                | \$ -                     |
|                | 2.4.2 Topographic Survey  |                 |                  |                 |          |                       | 0              | \$ -        |                | \$ -                     |
|                | 2.4.3 Pump Station Site Boundary and Topographic Survey                                     |                 |                  | l               |          |                       | 0              |             | 1              | \$ -                     |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>Engineered Design Services, LLC</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|                |  |                 |                  |                 |   | •                     |                |              | SUB TOTALS     |                          |
|----------------|--|-----------------|------------------|-----------------|---|-----------------------|----------------|--------------|----------------|--------------------------|
| Task<br>Number | Task Description   | Project Manager | Project Engineer | Engineer intern | Designer                                | Eng Tech /<br>Drafter | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Expenses |
|                |  |                 |                  |                 |   | 1,                    |                |              |                |                          |
|                | Raw Rate >   |                 |                  |                 | <del></del>                             |                       |                | <u> </u>     |                |                          |
|                | Multiplier >   | 2.72            | 2.72             | 2.72            | 2.72                                    | 2.72                  |                | ļ            |                |                          |
|                | Bill Rate > Bill Rate > 2.4.4 Preparation of Sketch and Legal Descriptions for easements as needed | \$ 195,84       | \$ 130,56        | \$ 108.80       | \$ 97.92                                | \$ 81.60              | 0              | \$ -         |                | \$ -                     |
|                | 2.4.5 Maintenance of Traffic   |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | Task 2.4- Total  | 0               | 0                | 0               | 0                                       | 0                     | 0              | š -          | Š -            | \$ -                     |
|                |  |                 |                  |                 | *************************************** |                       |                |              |                |                          |
|                | Task 2 - Subtotal  | 0               | 0                | 0               | 0                                       | 0                     | 0              | \$ -         | \$ -           | \$ -                     |
|                |  |                 |                  |                 |   |                       |                |              |                |                          |
| TASK 3         | Preliminary Design   |                 |                  |                 |   |                       |                |              |                |                          |
|                | Subtask 3.1 - Outfall Operational Review   |                 |                  |                 |   |                       |                |              |                |                          |
|                | 3.1.1 Site visit to each location, with PBCWUD   |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 3.1.2 Review permit conditions for each outfall  |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 3.1.3 Review available records to determine the infrastructure in place to each outfall            |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 3.1.4 Prepare Technical Memorandum   |                 |                  |                 |   |                       | 0              | \$ -         | 1              | \$ -                     |
|                | Subtask 3.1- Total   | 0               | 0                | 0               | 0                                       | 0                     | 0              | \$ -         | \$ -           | \$ -                     |
|                | Subtask 3.2 - Pump Station Basis of Design Report and 10% Design                                   | :               |                  |                 |   |                       |                |              | ,              |                          |
|                | 3.2,1 Basis of Design Report (BODR) Conceptual 10% Design  | 32              | 26               | 18              | 56                                      | 42                    | 174            | \$ 20,530.56 |                | \$ 20,530.56             |
|                | 3.2.2 Design, BIM, Quality Management, OPCC, Schedule  |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 3.2.3 Proc-Mech BODR   |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 3.2.4 Surge Analysis   |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 3.2.5 Quality Review   |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 3.2.6 Workshop   |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | Subtask 3.2- Total   | 32              | 26               | 18              | 56                                      | 42                    | 174            | \$ 20,530.56 | \$ -           | \$ 20,530.56             |
|                | Subtask 3,3 - 30% Pipeline Design Plan Preparation   |                 |                  |                 |   |                       |                |              |                |                          |
|                | 3.3.1 30% Pipeline Plans   |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | Subtask 3,3- Total   | 0               | 0                | 0               | 0                                       | 0                     | 0              | \$ -         | \$ -           | \$ -                     |
|                | Subtask 3.4 - 30% Pump Station Design Plan Preparation   |                 |                  |                 |   |                       |                |              |                |                          |
|                | 3.4.1 Basis of Design Report (BODR) Conceptual 30% Design  |                 |                  |                 |   |                       | 00             | \$ -         |                | \$ -                     |
|                | 3.4.2 Design, BIM, and Quality Management  |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 3.4.3 General Sheets   |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 3.4.4 Proc-Mech Design   |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 3.4.5 OPCC and Construction Schedule   |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 3.4.6 Quality Review   |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |

Palm Beach County Water Utilities Department

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Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>Engineered Design Services, LLC</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

| <u> </u>       |   |                    |                 |                  |                 |   |                       | r              |              | 0110 707410    |                          |
|----------------|---|--------------------|-----------------|------------------|-----------------|---|-----------------------|----------------|--------------|----------------|--------------------------|
|                |   |                    |                 |                  |                 |   | ,                     |                |              | SUB TOTALS     |                          |
| Task<br>Number | Task Description                                |                    | Project Manager | Project Engineer | Engineer Intern | Designer                                | Eng Tech /<br>Drafter | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Expenses |
|                |   |                    |                 |                  |                 |   | ļ ,                   |                |              |                |                          |
|                |   |                    | \$ 72.00        |                  |                 |   |                       |                | <b> </b>     |                |                          |
|                |   | Multiplier >       | 2.72            | 2.72             | 2.72            | 2.72                                    | 2.72                  |                |              |                |                          |
|                |   | Bill Rate >        | \$ 195.84       | \$ 130.56        | \$ 108.80       | \$ 97.92                                | \$ 81.60              |                |              |                |                          |
|                | 3.4.7 Workshop                                  |                    |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 3.4.8 Site Civil Engineering                    |                    |                 |                  |                 |   |                       |                |              |                | \$ -                     |
|                | 3.4.9 Landscape Architecture                    |                    |                 |                  |                 | 78                                      |                       | 0<br>219       | \$ -         |                | \$ -                     |
|                | 3,4.10 Electrical Engineering                   |                    | 42              | 54               |                 | /8                                      | 45                    | 219            | \$ 26,585.28 |                | \$ 26,585.28<br>\$ -     |
|                | 3.4.11 Plumbing Engineering                     |                    |                 |                  |                 |   | <del> </del>          | 0              | \$ -<br>\$ - |                | \$ -<br>\$ -             |
|                | 3.4.12 HVAC Engineering                         |                    | 20              |                  | 36              | 32                                      | 32                    |                | \$ 15,144.96 |                |                          |
|                | 3.4.13 Structural Engineering                   |                    | 28              |                  | 36              | 32                                      | 32                    | 128            | \$ 15,144.96 |                | \$ 15,144.96<br>\$ -     |
|                | 3.4.14 Architectural                            | Subtask 3.4- Total |                 | ***              | 36              | 110                                     | 77                    | 347            | \$ 41,730.24 |                |                          |
|                |   | SUDIASK 3,4- TOTAL | 70              | 54               | 30              | 110                                     | <del>  "</del>        | 347            | \$ 41,/30.24 | \$ -           | \$ 41,730.24             |
|                |   | Task 3 - Subtotal  | 102             | 80               | 54              | 166                                     | 119                   | 521            | \$ 62,260.80 | \$ -           | \$ 62,260.80             |
| TASK 4         | Detailed Design                                 |                    |                 |                  |                 |   |                       |                |              |                |                          |
| 111-11         | Subtask 4.1 - 60% Pump Station Design Submittal |                    |                 |                  |                 |   |                       |                |              |                |                          |
|                | 4.1.1 Design, BIM, and Quality Management       |                    |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.1.2 General Sheets                            |                    |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.1.3 Proc-Mech Design                          |                    |                 |                  |                 |   |                       | 0              | \$ ~         |                | \$ -                     |
|                | 4.1.4 OPCC and Construction Schedule            |                    |                 |                  |                 |   |                       | 0              | ś -          |                | \$ -                     |
|                | 4.1.5 Quality Review                            |                    |                 |                  |                 | *************************************** | 1                     | 0              | \$ -         |                | \$ -                     |
|                | 4.1.6 Workshop                                  |                    |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.1.7 Site Civil EngineerIng                    |                    |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.1.8 Landscape Architecture                    |                    |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.1.9 Electrical Engineering                    |                    | 64              | 80               |                 | 115                                     | 68                    | 327            | \$ 39,788.16 |                | \$ 39,788.16             |
|                | 4.1.10 Plumbing Engineering                     |                    |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.1.11 HVAC Engineering                         |                    |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.1.12 Structural Engineering                   |                    | 40              |                  | 56              | 50                                      | 50                    | 196            | \$ 22,902.40 |                | \$ 22,902.40             |
|                | 4.1.13 Architectural                            |                    |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                |   | Subtask 4.1- Total | 104             | 80               | 56              | 165                                     | 118                   | 523            | \$ 62,690.56 | \$ -           | \$ 62,690.56             |
|                | Subtask 4.2 - 90% Pipeline Design Submittal     |                    |                 |                  |                 |   |                       |                |              |                |                          |
|                | 4.2.1 90% Pipeline Plans                        |                    |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.2.2 90% Specifications                        |                    |                 |                  |                 |   |                       | 0              | \$ ~         |                | \$ -                     |
|                | 4.2.3 90% Opinion of Probable Cost              |                    |                 |                  |                 |   |                       | 0              | \$ -         |                | \$ -                     |
|                |   | Subtask 4.2- Total | 0               | 0                | 0               | 0                                       | 0                     | 0              | \$ -         | \$ -           | •                        |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>Engineered Design Services, LLC</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|                |  |                    |                 |                  |                 |          |                       | ſ              |              | SUB TOTALS     |                          |
|----------------|--|--------------------|-----------------|------------------|-----------------|----------|-----------------------|----------------|--------------|----------------|--------------------------|
| Task<br>Number | Task Description                                 |                    | Project Manager | Project Engineer | Engineer Intern | Designer | Eng Tech /<br>Drafter | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Expenses |
|                |  |                    |                 |                  |                 |          |                       |                |              |                |                          |
|                |  | Raw Rate >         |                 | •                | 1 .             |          |                       |                |              |                |                          |
|                |  | Multiplier >       | 2.72            | 2.72             | 2.72            | 2.72     | 2.72                  |                |              |                |                          |
|                |  | Bill Rate >        | \$ 195.84       | \$ 130.56        | \$ 108.80       | \$ 97.92 | \$ 81.60              |                | <u> </u>     |                |                          |
|                | Subtask 4.3 - 90% Pump Station Design Submittal  |                    |                 |                  |                 |          |                       |                |              |                |                          |
|                | 4.3.1 Design, BIM, and Quality Management        |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.3.2 General Sheets                             |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.3.3 Proc-Mech Design                           |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.3.4 OPCC and Construction Schedule             |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.3.5 Quality Review                             |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.3.6 Workshop                                   |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.3.7 Site Civil Engineering                     |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.3.8 Landscape Architecture                     |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.3.9 Electrical Engineering                     |                    | 64              | 80               |                 | 115      | 68                    | 327            | \$ 39,788.16 |                | \$ 39,788.16             |
|                | 4.3.10 Plumbing Engineering                      |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.3.11 HVAC Engineering                          |                    |                 |                  |                 |          |                       | Ċ              | \$ -         |                | \$ -                     |
|                | 4.3.12 Structural Engineering                    |                    | 40              |                  | 56              | 50       | 50                    | 196            | \$ 22,902.40 |                | \$ 22,902.40             |
|                | 4.3.13 Architectural                             |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                |  | Subtask 4.3- Total | 104             | 80               | 56              | 165      | 118                   | 523            | \$ 62,690.56 | \$ -           | \$ 62,690.56             |
|                | Subtask 4.4 - 100% Pipeline Design Submittal     |                    |                 |                  |                 |          |                       |                |              |                |                          |
|                | 4.4.1 100% Pipeline Plans                        |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.4.2 100% Specifications                        |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.4.3 100% Opinion of Probable Cost              |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                |  | Subtask 4.4- Total | 0               | 0                | 0               | 0        | 0                     | 0              | \$ -         | \$ -           | \$ -                     |
|                | Subtask 4.5 - 100% Pump Station Design Submittal |                    |                 |                  |                 |          |                       |                |              |                |                          |
|                | 4.5.1 Design, BIM, and Quality Management        |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.5.2 General Sheets                             |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4,5,3 Proc-Mech Design                           |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.5.4 OPCC and Construction Schedule             |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.5.7 Site Civil Engineering                     |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.5.8 Landscape Architecture                     |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.5.9 Electrical Engineering                     |                    | 20              | 26               |                 | 38       | 24                    | 108            | \$ 12,990.72 |                | \$ 12,990.72             |
|                | 4.5,10 Plumbing Engineering                      |                    |                 |                  |                 |          |                       | 0              | \$ -         |                | \$ -                     |
|                | 4.5.11 HVAC Engineering                          |                    |                 |                  |                 |          |                       | O              | \$ -         |                | \$ -                     |

Paim Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: Engineered Design Services, LLC
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2
PBCWUD Project No.: 23-053

|                |   | •               |                  |                 |          | *************************************** |                |               |                |                          |
|----------------|---|-----------------|------------------|-----------------|----------|---|----------------|---------------|----------------|--------------------------|
|                |   |                 | <del>,</del>     |                 | γ        |   |                |               | SUB TOTALS     |                          |
| Task<br>Number | Task Description  | Project Manager | Project Engineer | Engineer Intern | Designer | Eng Tech /<br>Drafter                   | Total<br>Hours | Total Labor   | Total Expenses | Total Labor and Expenses |
|                |   |                 |                  |                 |          |   |                |               |                |                          |
|                | Raw Rate >  |                 |                  |                 |          |   | ļ              |               |                |                          |
|                | Multiplier >  | 2.72            | 2.72             | 2.72            | 2.72     | 2.72                                    |                |               |                |                          |
|                | Bill Rate > 4.5.12 Structural Engineering                           | \$ 195.84<br>14 | \$ 130.56        |                 |          |   |                |               |                |                          |
|                | 4.5.13 Architectural  | 14              |                  | 20              | 18       | 18                                      | 70             | \$ 8,149.12   |                | \$ 8,149,12              |
|                | 4.5.13 Arcmectorus Subtask 4.5- Total                               | 34              | 26               | 20              | FF       | 42                                      | 0              | \$ -          | _              | \$                       |
|                | Suprasa 4.3- Total  | 34              | 20               |                 | 56       | 42                                      | 178            | \$ 21,139.84  | \$ -           | \$ 21,139.84             |
|                | Task 4 - Subtotal   | 242             | 186              | 132             | 386      | 278                                     | 1224           | \$ 146.520.96 | _              | A 445 500 00             |
|                | 1031 7 30000121   | 272             | 100              | 172             | 360      | 278                                     | 1224           | \$ 146,520.96 | \$ -           | \$ 146,520.96            |
| TASK 5         | Pipeline Permitting Services  |                 |                  |                 |          |   |                |               |                |                          |
|                | Subtask 5.1 - Permitting for Roadway Impacts (PBC Land Development) |                 |                  |                 |          |   |                |               |                |                          |
|                | 5.1.1 Pre-Application Meeting                                       |                 |                  |                 |          |   | 0              | Ś -           |                | \$ -                     |
|                | 5.1.2 Prepare and Submit Application Data                           |                 |                  |                 |          | *************************************** | 0              | \$ -          |                | \$ -                     |
|                | 5.1.3 Revise and Resubmit Application Documents                     |                 |                  |                 |          |   | 0              | \$ -          |                | š -                      |
|                | Subtask 5.1- Total  | 0               | 0                | 0               | 0        | 0                                       | 0              | s -           | Š -            | š -                      |
|                | Subtask 5.2 - Permitting for Roadway Impacts (FDOT)                 |                 |                  |                 |          |   |                |               | 7              | Ŧ                        |
|                | 5.2.1 Pre-Application Meeting                                       |                 |                  |                 |          |   | 0              | \$ -          |                | \$ -                     |
|                | 5.2.2 Prepare and Submit Application Data and Plans                 |                 |                  |                 |          |   | 0              | \$ -          |                | Š -                      |
|                | 5.2.3 Revise and Resubmit Application Documents                     |                 |                  |                 |          |   | 0              | \$ -          |                | \$ -                     |
|                | Subtask 5.2- Total  | 0               | 0                | 0               | 0        | 0                                       | 0              | \$ -          | \$ -           | \$ -                     |
|                | Subtask 5.3 - Permitting with Lake Worth Drainage District          |                 |                  |                 |          |   |                |               |                |                          |
|                | 5.3.1 Pre-Application Meeting                                       |                 |                  |                 |          |   | 0              | \$ -          |                | \$ -                     |
|                | 5.3.2 Prepare and Submit Application Data                           |                 |                  |                 |          |   | 0              | \$ -          |                | \$ -                     |
|                | 5.3.3 Revise and Resubmit Application Documents                     |                 |                  |                 |          |   | 0              | \$ -          |                | \$ -                     |
|                | Subtask 5.3- Total  | 0               | 0                | 0               | 0        | 0                                       | 0              | \$ -          | \$             | \$ -                     |
|                | Subtask 5.4 - Pump Station Permitting Services                      |                 |                  |                 |          |   |                |               |                |                          |
|                | 5.4.1 PBC Site Plan Approval  |                 |                  |                 |          |   | 0              | \$ -          |                | \$ -                     |
|                | 5.4.2 SFWMD Environmental Resources Permitting                      |                 |                  |                 |          |   |                | \$ -          |                | \$ -                     |
|                | 5.4.3 PBC Land Development Drainage Review                          |                 |                  |                 |          |   | 0              | \$ -          |                | \$ -                     |
|                | 5.4.4 PBC Building Department Review                                | 15              | 12               |                 |          |   | 27             | \$ 4,504.32   |                | \$ 4,504.32              |
|                | Subtask 5.4- Total  | 15              | 12               | 0               | 0        | 0                                       | 27             | \$ 4,504.32   | \$ -           | \$ 4,504.32              |
|                | Task 5 - Subtotal   | 45              |                  |                 |          |   |                |               |                |                          |
|                | task 5 - Subtotal   | 15              | 12               | 0               | 0        | 0                                       | 27             | \$ 4,504.32   | \$ -           | \$ 4,504.32              |
| TASK 6         | Bidding Support   |                 |                  |                 |          |   |                |               |                |                          |
| IMON U         | Bidding Support  6.1 Review the Bid Advertisement                   |                 |                  |                 |          |   |                |               |                |                          |
|                | O'T DENEM THE BIO MONELUSEMENT                                      |                 | L                |                 | 1        |   | 0              | \$ -          | <u> </u>       | \$ -                     |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: Engineered Design Services, LLC

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

|                |  |                 |                  |                 |          |                       |                |             | SUB TOTALS     |                          |
|----------------|--|-----------------|------------------|-----------------|----------|-----------------------|----------------|-------------|----------------|--------------------------|
| Task<br>Number | Task Description                                   | Project Manager | Project Engineer | Engineer Intern | Designer | Eng Tech /<br>Drafter | Total<br>Hours | Total Labor | Total Expenses | Total Labor and Expenses |
|                |  |                 | <u> </u>         |                 |          |                       |                |             |                |                          |
|                | Raw Rate >   |                 | \$ 48.00         | \$ 40.00        | \$ 36.00 | \$ 30.00              | 1              |             |                |                          |
|                | Multiplier >                                       | 2.72            | 2.72             | 2.72            | 2.72     | 2.72                  |                |             |                |                          |
|                | 8ili Rate >  | \$ 195.84       | \$ 130.56        | \$ 108.80       | \$ 97.92 | \$ 81.60              |                |             |                |                          |
|                | 6.2 Attend Pre-Bid Meeting                         |                 |                  |                 |          |                       | 0              | s -         |                | ٠ -                      |
|                | 6.3 Updated OPCC and Schedule                      |                 |                  |                 |          |                       | 0              | s .         |                | ÷ .                      |
|                | 6.4 Respond to Requests for Additional Information | 10              | 15               |                 |          |                       | 25             | \$ 3,916.80 |                | \$ 3,916.80              |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: Engineered Design Services, LLC

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

|                |  | ,               |          |                  | *************************************** |          |           |                       |                |               |                |                          |
|----------------|--|-----------------|----------|------------------|---|----------|-----------|-----------------------|----------------|---------------|----------------|--------------------------|
|                |  |                 |          |                  | <del>7</del>                            |          |           |                       |                |               | SUB TOTALS     |                          |
| Task<br>Number | Task Description   | Project Manager |          | Project Engineer | Engineer Intern                         |          | Designer  | Eng Tech /<br>Drafter | Total<br>Hours | Total Labor   | Total Expenses | Total Labor and Expenses |
|                |  |                 |          |                  |   | 1        |           |                       |                |               |                |                          |
| <b> </b>       | Raw Rate >   |                 | 0 \$     |                  |   | \$       |           |                       |                |               |                |                          |
| <u> </u>       | Multiplier >   | 2.72            | 4.       | 2.72             | 2.72                                    | 1        | 2.72      | 2.72                  |                |               |                |                          |
|                | Bill Rate >  | \$ 195.8        | 4 5      | 130,56           | \$ 108.80                               | \$       | 97.92     | \$ 81.60              |                |               |                |                          |
|                | 6.5 Review and Compile Bid Results   |                 | _        |                  |   | 1        |           |                       | 0              | \$ -          |                | \$ -                     |
|                | 6.6 Perform Sensitivity Analysis on Line Item Pricing from Bidders   |                 |          |                  |   |          |           |                       | 0              | \$ -          |                | \$ -                     |
|                | 6.7 Provide Recommendation of Award Letter   |                 |          |                  |   |          |           |                       | 0              | \$ -          | <u> </u>       | \$ -                     |
|                | 6.8 Preparation of Conformed Documents   |                 |          |                  |   | 1        |           | 1                     | 0              | \$ -          |                | \$ -                     |
|                | Task 6 - Subtotal  | 10              |          | 15               | 0                                       | Τ        | 0         | 0                     | 25             | \$ 3,916.80   | Ś -            | \$ 3,916.80              |
|                |  |                 |          |                  | i i                                     | Т        |           |                       |                |               | <u> </u>       | -,                       |
| TASK 7         | Outfall Design and Permitting  |                 |          |                  |   | Т        |           |                       |                |               |                |                          |
|                | 7.1 Outfall Topographic Survey   |                 |          |                  |   | 7        |           |                       | 0              | \$ -          |                | \$ -                     |
|                | 7.2 Outfall Design Improvements  | 42              |          | 54               |   | Т        | 78        | 45                    | 219            | \$ 26,585.28  |                | \$ 26,585.28             |
|                | 7,3 Outfall Improvements Permitting  |                 |          |                  |   |          |           |                       | 0              | \$ -          | 1              | \$ -                     |
|                | 7.4 Maintenance of Traffic   |                 | T        |                  |   | Т        |           |                       | 0              | \$ -          |                | \$ -                     |
|                | 7.5 Instrumentation  |                 |          |                  |   | П        |           |                       | 0              | \$ -          |                | \$ -                     |
|                | Task 7 - Subtotal  | 42              |          | 54               | 0                                       | Τ        | 78        | 45                    | 219            | \$ 26,585,28  | \$ -           | \$ 26,585,28             |
|                |  |                 |          |                  |   | L        |           |                       |                |               |                |                          |
|                | Sum of Task 1-7  |                 |          |                  |   | <u> </u> |           |                       |                | \$ 243,788.16 | \$0.00         | \$ 243,788.16            |
|                | Labor Subtotal Hours   | 411             | +        | 347              | 186                                     | ┢        | 630       | 443                   | 2016           | 2040          |                |                          |
|                | Labor Raw Costs  |                 | ,   -    | 48.00            |   | 1        | 36.00     | 442<br>\$ 30.00       | 2016           | 2016          |                |                          |
|                | Labor Subtotal (Bill Rate * Labor Subtotal Hours)  |                 |          | ***              | \$ 20,236,80                            |          | ~~~~      | \$ 36,067.20          |                | \$ 243,788.16 |                |                          |
|                | The state of the s | ÷ 00,400.E      | +*       | 73,304.32        | y 20,230,00                             | 1        | 01,009.00 | 7 30,007.20           |                | ⊋ ∡43,/88.10  | <b> </b>       |                          |
|                | PROJECT TOTAL  |                 | $\top$   |                  |   | Н        |           |                       | 2016           | \$ 243,788.16 | \$0.00         | \$ 243,788.16            |
|                |  |                 | <u>_</u> |                  | *************************************** |          |           |                       |                | + 240//00/10  | 1 20.00        | ¥ 243,768.16             |

Palm Beach County Water Utilities Department
Contract for Consulting Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2
Resolution No. Contract Dated
Cansultant Services Authorization No.; 1 Consultant: Service and Caldwell (Corporation)
Project Title: SOUTH COUNTY RECIAIMED WATER TRANSMISSION PIPELINE PHASE 2
PBCWUD Project No.: 23-053

|               |   |                |                |                      | •  |            | •                       | ,               |                               |                 | •                        |                       |                               |                             |                |              | SUB TOTALS     |                       |
|---------------|---|----------------|----------------|----------------------|--|------------|-------------------------|-----------------|-------------------------------|-----------------|--------------------------|-----------------------|-------------------------------|-----------------------------|----------------|--------------|----------------|-----------------------|
| Task<br>umber | Task Description  | Vice-President | Chlef Engineer | Managing<br>Engineer | Senior Engineer                                  | Engineer 2 | Supervising<br>Designer | Senior Designer | Senior Project<br>Coordinator | Project Analyst | Project<br>Administrator | Principal<br>Engineer | Supervising cost<br>Estimator | Principal Cost<br>Estimator | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Exper |
|               | Raw Rate >  | \$ 148.05      | 5 124.59       | \$ 119.57            | \$ 65.00   | \$ 46.22   | \$ 66.82                | \$ 49.40        | \$ 40.60                      | \$ 45.78        | \$ 26.43                 | \$ 76.01              | \$ 79.77                      | \$ 81.63                    |                |              |                |                       |
|               | Multiplier >  | 3 148.05       | 3 124.59       | 3 119.57             | 3  | 3 46.22    | 3 00.02                 | 3 49.40         | 3 40.60                       | 3 43.78         | 3 20.43                  | 3 76.01               | 3 13.77                       | 2 81.63                     |                |              |                |                       |
|               | Bill Rate >   | \$ 300.00      |                |                      | \$ 195.00  |            | \$ 200.46               | \$ 148.20       | \$ 121.80                     | \$ 137.34       | \$ 79.29                 | \$ 228,03             | _                             |                             |                |              |                |                       |
|               | он паче /   | \$ 500.00      | 3 300.00       | 3 300,00             | 3 193.AZ   | 2 150,00   | \$ 200.46               | \$ 248.20       | 3 121.BU                      | \$ 137.34       | \$ 15.25                 | \$ 228,03             | 3 833.31                      | 3 244.89                    |                |              |                | ·····                 |
| TASK 1        | Project Management and Coordination   |                |                |                      |  |            |                         |                 |                               |                 |                          |                       |                               |                             |                |              |                |                       |
|               | 1.1 Kickoff Meeting   | 4              | 8              | 8                    |  |            |                         |                 |                               |                 | 4                        |                       |                               |                             | 24             | \$ 6,317,16  |                | \$ 6,317              |
|               | 1.2 Coordination and General Correspondence   |                | 16             | 8                    |  |            |                         |                 | 15                            | 30              | 30                       |                       |                               |                             | 99             | \$ 15,525.90 |                | \$ 15,525             |
|               | 1.3 Progress Meetings   |                | 24             | 24                   |  |            |                         |                 | 12                            | 12              | 24                       |                       |                               |                             | 96             | \$ 19,412.64 | \$ 65,50       |                       |
|               | Task 1 - Subtotal   | 4              | 48             | 40                   | 0  | 0          | 0                       | 0               | 27                            | 42              | 58                       | D                     | 0                             | 0                           | 219            | \$ 41,255.70 | \$ 65,50       | \$ 41,321.            |
|               |   |                |                |                      | ļ  |            |                         |                 |                               |                 |                          |                       |                               | ·                           |                |              |                |                       |
| TASK Z        | Field Services Subtask 2.1 - Records Review, Site Investigation and Photo Study             |                |                |                      | <b></b>  |            |                         |                 |                               |                 |                          |                       |                               |                             |                |              |                | ļ                     |
|               | 2.1.1 Review of record drawings and previous studies  |                |                | 2                    | <del>                                     </del> | 4          |                         |                 |                               |                 |                          |                       |                               |                             | 6              | \$ 1,154,64  | <del> </del>   | \$ 1,154              |
|               | 2.1.2 Review of plans prepared by others adjacent to the project<br>area (Gt. Homes)        |                |                | 2                    |  | 4          |                         |                 |                               |                 |                          |                       |                               |                             | 6              | \$ 1,154.64  |                | \$ 1,154              |
|               | 2.1.3 Site visit  |                |                | 8                    |  | 8          |                         |                 |                               |                 |                          |                       |                               |                             | 16             | \$ 3,509,28  | <del></del>    | \$ 3,509              |
|               | 2.1.4 Prepare Technical Memo of Field Observations  |                |                | 2                    |  | 2          |                         |                 |                               |                 | 4                        |                       |                               |                             | 8              | S 1,194,48   | \$ 131.00      |                       |
|               | 2.1.4 Prepare Technical Interior of Preta Caservations 2.1.5 Chlorine Testing and Analysis  | 4              | ļ              | 4                    | 14   |            |                         |                 |                               |                 |                          |                       |                               | ··                          | 22             | \$ 5,130.00  | 3 131.00       | S 5,130.              |
|               | Task 2.1- Total   | 4              | 0 .            | 18                   | 14   | 18         | 0                       | 0               | 0                             | ß               | 4                        | ······                | 0                             | Δ                           | 58             | \$ 12,143.04 | \$ 131.00      |                       |
| -             | Subtask 2.2 - Subsurface Utility Engineering (SUE)  |                |                |                      |  |            |                         | <u>-</u>        | ······                        |                 |                          | <u>_</u>              |                               |                             | 30             | 3 22,143.04  | 3 131,00       | 2 12,274.             |
|               | 2.2.1 Paim Beach County and Florida Department of<br>Transportation Right-of-Way Permitting |                |                |                      |  |            |                         |                 |                               |                 |                          |                       |                               |                             | a              | \$ -         |                | \$                    |
|               | 2.2,2 Level A - Potholes for Verification of Utility Locations                              |                |                |                      |  |            |                         |                 |                               |                 |                          |                       |                               |                             | 0              | s -          |                | 4                     |
|               | 2,2,3 Level B - Scan and Sweep / Targeting  |                |                |                      |  |            |                         |                 |                               |                 |                          |                       |                               |                             | 0              | š ,          |                | Ś                     |
|               | 2.2.4 Level C - Design Tickets and Records Research   |                |                |                      |  |            |                         |                 |                               |                 |                          |                       |                               |                             | 0              | ś -          |                | Ś                     |
|               | 2.2.5 Maintenance of Traffic  |                |                |                      |  |            |                         |                 |                               |                 |                          |                       |                               |                             |                | \$ -         |                | <u> </u>              |
|               | Fask 2.2- Total   | 0              | 0              | 0                    | 0  | 0          | 0                       | o               | 0                             | 0               | 0                        | 0                     | a                             | 0                           | 0              | \$ -         | \$ ·           | \$ -                  |
|               | Subtask 2,3 - Geotechnical Investigation  |                |                |                      |  |            |                         |                 |                               |                 |                          |                       | · i                           |                             |                |              |                |                       |
|               | 2.3.1 Palm Beach County and FDOT Right-of-Way Permitting                                    |                |                |                      |  |            |                         |                 |                               |                 |                          |                       |                               |                             | 0              | \$ -         |                | \$ -                  |
|               | 2.3.2 Soll Borings and Geotechnical Testing   |                |                | 4                    |  |            |                         |                 |                               |                 |                          |                       |                               |                             | 4              | \$ 1,200.00  |                | \$ 1,200.             |
|               | Task 2.3- Total   | û              | 0              | 4                    | 0  | 0          | a                       | 0               | 0                             | 0               | Ð                        | D                     | 0                             | O O                         | 4              | \$ 1,200.00  | \$ -           | \$ 1,200.             |
|               | Subtask 2.4 - Survey  |                |                |                      |  |            |                         |                 |                               |                 |                          |                       |                               |                             |                |              |                |                       |
|               | 2.4.1 Route Survey  |                |                |                      |  |            | The second second       |                 |                               | _               |                          |                       |                               |                             | Ò              | \$ -         |                | \$ .                  |
|               | 2.4.2 Topagraphic Survey  |                |                |                      |  |            |                         |                 |                               |                 |                          |                       |                               |                             | 0              | \$ -         |                | \$ -                  |
|               | 2.4.3 Pump Station Site Boundary and Topographic Survey                                     |                |                | 4                    |  |            |                         |                 |                               |                 |                          |                       |                               |                             | 4              | \$ 1,200.00  |                | \$ 1,200.             |
|               | 2.4.4 Preparation of Sketch and Legal Descriptions for easements as needed                  |                |                |                      |  |            |                         |                 | ·                             |                 |                          |                       |                               |                             | D              | \$ -         |                | \$ -                  |
|               | 2.4.5 Maintenance of Traffic  |                |                |                      |  |            |                         |                 |                               |                 |                          |                       |                               |                             | 0              | \$ -         |                | \$ .                  |
|               | Task 2.4- Total   | 0              | Ð              | 4                    | 0  | 0          | Ð                       | 0               | 0                             | 0               | Ò                        | 0                     | 0                             | 0                           | 4              | \$ 1,200.00  | \$ -           | \$ 1,200.0            |
|               |   |                |                |                      |  |            |                         |                 |                               |                 |                          |                       |                               |                             |                |              |                |                       |
|               | Task 2 - Subtotal   | 4              | 0              | 26                   | 14   | 18         | 0                       | 0               | B .                           | 0               | 4                        | 0                     | 0                             | 8                           | 56             | \$ 14,543,04 | \$ 131.00      | \$ 14,674.0           |

| · s                      | 1  | T - \$                           | 0            | T                                       | 7                          | 1                     | 1                                     | 1              | T  | 1              | 1  | 1  | T              | <del></del>                           | 1           | -1            |               | 4.1.9 Electrical Engineering   | 1         |
|--------------------------|--|----------------------------------|--------------|---|----------------------------|-----------------------|---------------------------------------|----------------|--|----------------|--|--|----------------|---------------------------------------|-------------|---------------|---------------|--|-----------|
|                          |  | · š                              |              |   | <del></del>                |                       | +                                     | <del> </del>   |  | · <del> </del> | ·  | +  |                | · · · · · · · · · · · · · · · · · · · | +           | -             |               | 4.1.8 Landscape Architecture   |           |
| - \$                     |  | 1                                |              |   | · <del> </del>             | <del> </del>          | +                                     | +              | +  | <del> </del> - |  | +  |                |                                       |             | <del></del> } |               | 4.1.7 Site Civil Engineering   |           |
| 95.475,6 2               |  | 95'14'2'6 \$                     |              |   | +                          |                       | +                                     | +              | <b>3</b>   | 1              | 91   | 1  | Ь в            | 8                                     | ,           |               | Ъ             | qorkshow 8.1.4   | _         |
| 00.005,7 \$              |  | 00.005,7<br>20.005,7<br>20.005,7 |              | _                                       | +                          | 1                     |                                       | <del> </del>   | <del> '</del>                                    | +              | 31   | <del> </del>                                     | + -            | 7₹                                    | <del></del> |               | ············· | 4.1.5 Quality Review   | _         |
| 26.618,82 2              |  | SELETB, BX S                     |              | īz                                      | 19                         | Þζ                    |                                       | · <del> </del> | <del> </del>                                     |                |  |  | - <del> </del> | 8                                     | + t         | $\rightarrow$ |               | 4.1.4 OPCC and Construction Schedule   |           |
| \$1.255,01               |  | 21.257,et 2                      |              | 1 12                                    | +                          | , vc                  | <del></del>                           | <del> </del>   | <del> </del>                                     | O\$            |  | Zε   | 85             |                                       | ·           |               |               | 4.1.3 Proc-Mech Design   |           |
| Z1'SZL'91 \$             |  | \$ 16,725,12                     | 96           | +                                       | +                          |                       | +                                     | +              | <del>                                     </del> | O#             | +  | 35   | <del></del>    | at                                    | <del></del> |               |               | 4.1.2 General Sheets   | +-        |
| 96'798'05 \$             |  | 36.538,02 S                      |              | <del></del>                             |                            |                       |                                       |                | 207  | <del></del>    | T40  | 7e   | 8              | 50                                    | T .         | $\rightarrow$ |               | 4.1.1 Design, BIM, and Quolity Management                                    |           |
| 30 (36 03 3              | <del>'   </del>                                  | 30 030 03 3                      | 702          | -                                       | +                          |                       |                                       | +              | 100  | +              | 001  | 1 31   |                | V.                                    | Ψ           |               |               | ubtask 4.1 - 60% Pump Station Design Submittal                               | BC        |
|                          | ·  | ļ                                | +            |   | +                          | -                     |                                       |                | <del> </del>                                     | <del> </del>   |  | 1  | 1              | _                                     | -           | -+            |               | Sized beliefer   |           |
|                          | -  | <del> </del>                     | -            | ···                                     | 4                          | <b> </b>              | -                                     |                |  | 4              |  | ļ  |                |                                       | ·           | +             |               | and beliefer   | -0 8 N3 A |
| 99"161"197 \$            | - s  | 99'121'197 \$                    | 1230         | 25                                      | 921                        |                       | 0.5                                   |                | 707  | 100            | 576  | <del> </del>                                     | 981            | tor                                   | 91/         |               | В             | Imolane - chest  |           |
| 93 161 196 3             | ***************************************          | 33 151 150 3                     | OFCI         | C3                                      | 921                        | 54                    | 91                                    | 0              | 162  | 1001           | 3 315  | 00Z  | 984            | VVI                                   | 30          |               |               | lesoddu2 - E Azet  |           |
| 67.501,7EL 2             | · \$   | 62'ZOT'ZET \$                    | tzt          | <del></del>                             | <del></del>                | <del> </del>          | <b>-</b>                              | ļ              |  | ·              | <del></del>                                      | <del></del>                                      |                |                                       | +           | -             |               | Ima L. Ma vendane  |           |
| - C                      |  | PT SOL TEL 3                     |              | 97                                      | E9                         | 74                    | 8                                     | 0              | 108  | 08             | 957  | 777  | 7.5            | 7.1                                   | 9t          |               | b             | iotuttestidatA, \$1,8,6<br>listoT -8,6 AzesiduS                              |           |
| } - >                    | <u> </u>   | ļ                                | 0            |   | -                          |                       |                                       |                |  |                | -  | -  |                |                                       |             |               |               |  |           |
| <u> </u>                 | <b></b>  | <u> </u>                         |              |   | <b></b>                    |                       |                                       | <b></b>        |  | <b></b>        |  | <b>-</b>   |                |                                       |             |               |               | gnirəənign3 loruszurt2. E.L.A.E.   |           |
| \$                       |  | . \$                             | 0            |   |                            |                       |                                       | <u> </u>       |  |                |  |  | <b>_</b>       |                                       |             |               |               | 3.4.12 Mumbing Engineering<br>3.4.12 MVAC Engineering                        |           |
| <b></b>                  |  | -                                | <b>-</b>     |   |                            |                       |                                       |                |  | 1              | 1  |  | <del> </del>   |                                       |             |               |               |  |           |
| L                        | <u> </u>   | L                                |              |   | <u> </u>                   |                       |                                       | 1              |  |                | 1  |  |                |                                       |             | _             |               | 3.A.10 Electrical Engineering  |           |
| - 5                      | 4  |                                  | 0            |   |                            |                       |                                       |                |  |                |  |  |                |                                       | 1           | _             |               | 9.4.5 Landscape Architecture   |           |
| <u> </u>                 |  | - \$                             |              | <u> </u>                                |                            |                       |                                       | 1              | 1  | 1              |  |  |                |                                       |             |               |               | gnineering fivit engineering   |           |
| 95'\$/2'5 \$             |  | 32,MX,2                          | 0>           | .                                       |                            | <u> </u>              |                                       | 1              |  |                | 91   | ļ  | Þ              | 8                                     | Į þ         |               | Þ             | gotkshop   |           |
| \$ 7,200.00              |  | \$ 7,200.00                      |              |   |                            |                       |                                       | 1              |  |                |  |  |                | 24                                    | 1           |               |               | WaivaR Quolifty Review   |           |
| 6E'9TS'0E \$             |  | 6E'915'0E \$                     |              | 97                                      | £9                         | 74                    |                                       |                |  |                |  | 1  |                | B                                     | <b>b</b>    |               |               | 3.4.5 OPCC and Construction Schedule   |           |
| \$ 51,492,96             |  | 96'769'17 \$                     | 351          |   | 1                          | 1                     |                                       |                |  | 05             |  | 95   | 40             | i                                     | <u> </u>    |               |               | 3.4.4 Proc-Mech Design   |           |
| QP.PE8,71 \$             |  | OF PER AT \$                     | 101          |   |                            |                       |                                       |                |  | 0⊁             |  | 00   | 8              | 9 <b>r</b>                            |             |               |               | 3.4.3 General Sheets   |           |
| 96'929'80 \$             |  | 96'929'80 \$                     | 248          |   |                            | }                     |                                       |                | 08   |                | 0ÞT  | 9T   |                | 8                                     | <b>*</b>    | T             |               | 3,4,2 Design, BiM, and Quality Monogement                                    |           |
| ZSZZSTZ \$               |  | \$ 7,157.52                      | **           |   |                            | I                     | 8                                     |                | ÞZ   | 1              |  | I  |                | 8                                     | V           |               |               | A.1. Basis of Design Report (BODR) Conceptual 30% Design                     |           |
|                          |  | Į                                |              |   |                            |                       |                                       |                |  | 1              |  | 1  | 1              |                                       |             |               |               | ubtask 3,4 - 30% Pump Station Design Plan Preparation                        | ns        |
| - \$                     | - \$   | - \$                             | 0            | 0                                       | 0                          | 0                     | 0                                     | 0              | 0  | D              | 0  | 0  | 0              | 0                                     | 0           | 1             | Ð             | letoT -E.E Assidu?   |           |
| • \$                     | 1  | - \$                             | 0            |   |                            |                       | T                                     |                |  |                | T  | T  |                |                                       |             |               |               | suoja suljedja %OE TEE   |           |
|                          |  |                                  |              |   | 1                          |                       |                                       |                |  |                |  | T  | 1              |                                       |             |               |               | noitorogas9 nol9 ngizaG shilagi9 XOE - E.E Asotdu                            | ns        |
| TB.853,89 \$             | - \$   | <b>78.858,82</b> \$              | 165          | 97                                      | E9                         | 0                     | 8                                     | 0              | 95   | OZ             | 09   | 88   | 1/8            | 09                                    | 54          |               | Þ             | letoT -S.E Aleadu2   | T         |
| 02,730,8                 |  | \$ 6,067.20                      | 74           |   | i e                        |                       |                                       |                | 1 1  |                | 1  |  | T #            | 8                                     | Þ           |               | Þ             | gonzásoW 8.S.E   |           |
| 00'007'/ \$              |  | 00'002'Z \$                      | 74           |   |                            | 1                     | · · · · · · · · · · · · · · · · · · · |                | 1  | <b></b>        |  |  |                | 74                                    |             | $\neg$        |               | Welvest Guolity Review   |           |
| 08.621,EI \$             |  | 08'6ST'ET \$                     | 9/           |   |                            | 1                     | 1                                     | 1              |  |                |  | OΕ   | OÞ.            | Þ                                     |             | $\neg$        |               | zizylanA spruz. A.S.E.   |           |
| 00.768,71 \$             |  | 00'269'2T \$                     |              | *************************************** | <u> </u>                   | 1                     | 1                                     | 1              |  | 50             |  | 05   | 00             | 1                                     | 1           |               |               | AGOR ASSM-SON E.S.E  |           |
| SS'ÞEB'TÞ \$             |  | 55'4EB'T# \$                     | 561          | 97                                      | E9                         |                       | 1                                     | <b></b>        | OΕ   |                | 09   | 8  |                | В                                     | 7           |               |               | 3.2.2. Design, BIM, Quality Management, OPCC, Schedule                       |           |
| \$ 12,670.32             | 1  | ZE'029'ZT \$                     | - 09         |   | 1                          | <u> </u>              | 8                                     |                | oz   | 1              |  | 1  |                | 91                                    | 91          | $\neg$        |               | 3.2.1 Basis of Design Report (800R) Conceptual 10% Design                    | 1         |
|                          | 1  | i                                | 1            |   | <b></b>                    |                       | 1                                     |                |  |                |  | 1  | 1              | 1                                     |             |               |               | ubtask 3.2 - Pump Station Basis of Design Report and 10% Design              | 75        |
| 00'005'5 \$              | - \$   | 80'001'5 \$                      | 78           | 0                                       | 0                          | ō                     | 0                                     | 0              | 0  | 0              | 0  | 0  | 0              | 13                                    | 9           |               | D             | lefoT -I,E xeefdu2   |           |
| 00'000'7 \$              | <b>†</b>   | 00'009'Z \$                      | 8            |   |                            |                       |                                       | 1              |  | ļ              | ·  |  |                | P                                     | b           |               |               | A.1.4 Prepore Technical Memorandum   | 1         |
|                          | T  |                                  |              |   |                            |                       | 1                                     |                | 1  | 1              | 1  | <del> </del>                                     | ·              |                                       |             | $\neg$        |               | flotte to each outfall   |           |
| l                        |  | ·                                | 0            | }                                       |                            |                       |                                       |                |  |                | 1  |  |                |                                       |             | - 1           |               | in Surious and solution of seconds to determine the infrastructure in E.I.E. |           |
| 00'000'E \$              | <del>                                     </del> | 00'000'E \$                      | or           | 1                                       |                            | <del> </del>          |                                       | 1              | <b>†</b>   | 1              | <del>                                     </del> | <del>                                     </del> | <del> </del>   | 8                                     |             | -+            |               | 3.1.2 Review permit conditions for each outfall                              |           |
| · \$                     | <b></b>  | - 6                              | 0            | <del> </del>                            |                            |                       | <del> </del>                          | <del> </del>   | <del> </del>                                     | <del> </del>   | <del>                                     </del> | i  |                | +                                     | <del></del> |               |               | 3,1,1 Site Walt to each location, with PBCWUD                                |           |
| Y                        | <del> </del>                                     |                                  | Ť            |   | <del> </del>               |                       |                                       |                |  | ·              | ·  | <del> </del>                                     | <del></del>    | <del></del>                           | +           | -             |               | weives I. S. Outfall Operational Review                                      | 20        |
| <b></b>                  |  |                                  |              |   | <del> </del>               | <b></b>               |                                       |                |  | <del> </del>   |  | <del> </del>                                     | <del> </del>   | <del> </del>                          |             |               |               | reliminary Dajiga yasalmilar   |           |
|                          |  |                                  | <del> </del> | 8 744.89                                | 16,0ES 2                   | E0.855 \$             | 6Z'6£ \$                              | ₽E.YE£ \$      | DETZE Ś  | OZ'8ÞT Ś       | 99:00Z \$  | 99'8ET \$  | 00,261 \$      | 00,00E 2                              | 00.00£      | - 2           | 00'00E \$     | < 915A NIB   | - C //3-0 |
|                          |  |                                  |              | US FFC 3                                | ξ                          | E E                   | Ε Ε                                   | E E            | F 2  | E .            | E  | 57 acr ,   | E .            | E 20000E                              | €           |               | <u> </u>      | < 3siqtiluM;   | +         |
|                          | <del> </del>                                     |                                  |              | £9.£8 \$                                |                            |                       | EÞ.32 \$                              |                |  |                |  |  |                |                                       | 154.59      |               | 50'8ÞT \$     | < 936A W6A   |           |
|                          | <del>                                     </del> |                                  | <del> </del> | 1318 3                                  | 22 OL 3                    | 10.92 3               | EN SC >                               | 97.7h 3        | 09 UV \$   | OV BV \$       | (899 )   | 21.34 3  | 100 23 3       | 72011 3                               | 03 PCs      |               | PROST 5       | / when the a   |           |
|                          | <del> </del>                                     |                                  |              | -                                       |                            | -                     | -                                     |                | -  |                |  | -  | <del> </del>   | -                                     | -           | $\rightarrow$ |               |  | +         |
|                          | l  |                                  | 1            | 32                                      | _ <b>š</b>                 |                       | à.                                    | 3              | o ¥  | l š            | υ <sub>1</sub>                                   | ١ "  | §              | l _                                   | J 9         |               | ş             |  | 1         |
|                          |  |                                  | STUDE        | rindpal Cos<br>Estimator                | pervising co:<br>Estimator | Principal<br>Engineer | Project<br>dministrator               | <u> </u>       | Senior Project<br>Coordinator                    | l in           | Supervising<br>Designer                          | 2  | nior Engin     | Managing                              | =           | - 1           | 7             |  | пырек     |
| Fotal Labor and Expenses | Total Expenses                                   | Total Labor                      | letol        | 1 2 2                                   | 異数                         | The state of          | 张음                                    | *              | 9.3  | Design         | <b>₽</b>   | 8  | J 5            | ) je 28                               | 1 2         |               | Pres          | notteheten Task Description  | 192K      |
| 1                        |  |                                  | '~'~'        | 1 4 8                                   | 1 1 1 1 1                  | <u> </u>              | <u>ặ</u> t                            | 呈              | 38   | 1 %            | e s  | neer 2   | &              | 1 2 3                                 | 1 🚡         |               | Ē.            |  | 1         |
| I                        | I  |                                  | I            | ž.                                      | I . ≅                      | l                     | Ħ                                     | - X            | ×ä   | 1 2            | , on   | ~  | l &            | 1 "                                   | 1 4         | - 1           | ä             |  | 1         |
|                          |  |                                  |              |   |                            |                       |                                       |                |  |                |  |  |                |                                       |             |               |               |  |           |
|                          | 21ATOT 8UZ                                       |                                  | I            | · · · · · · · · · · · · · · · · · · ·   | 1                          |                       |                                       | 1              |  |                | 1  | L  | 1              | J                                     | L           |               |               |  |           |

Point Beach County Water Utilities Department
Recolution No. Contract Department
Recolution No. Contract Dated
Generalizent Services Authorisation No..; J.
Consultant Services Authorisation No..; J.
Consultant Services Authorisation No..; J.
Project Villes SOUTH COUNTY RECLAMED WATER TRANSMISSION PIPELINE PHASE 2
PREVUUP Project Ville.; SOUTH COUNTY RECLAMED WATER TRANSMISSION PIPELINE PHASE 2

ATTACHMENT E
YAAMMUS TƏDQUB

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2
Resolution No. Contract Dated
Consultant Services Authorization No.; 1
Consultant: <u>Brown and Caldwell (Conparation)</u>
Project Tille: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPEUNE PHASE 2</u>
PBCWUO Project No.; <u>23-053</u>

|    |   |                |                |                      |                 |              |                         |                 | r                             |                 |                          |                       | ,                             |                             |                |                             |                | $\overline{}$   |
|----|---|----------------|----------------|----------------------|-----------------|--------------|-------------------------|-----------------|-------------------------------|-----------------|--------------------------|-----------------------|-------------------------------|-----------------------------|----------------|-----------------------------|----------------|-----------------|
| ,  | Task Description                                    | Vice-President | Chief Englneer | Managing<br>Engineer | Senior Engineer | Engineer 2   | Supervising<br>Designer | Senior Designer | Senior Project<br>Coordinator | Project Analyst | Project<br>Administrator | Principal<br>Engineer | Supervising cost<br>Estimator | Principal Cost<br>Estimator | Total<br>Hours | Total Labor                 | Total Expenses | Total Labor and |
| 4  | Raw Rate >  | Š 148.05       | \$ 124.59      | \$ 119.57            | \$ 65.00        | 5 46.22      | \$ 66.82                | \$ 49.40        | \$ 40.60                      | \$ 45.78        | \$ 26.43                 | \$ 76.01              | \$ 79.77                      | 5 81,63                     |                |                             |                |                 |
| 4  | Multiplier >  | 3 146.03       | 3 124.35       | 3                    | 3               | 3            | 3 3                     | 3               | 3 40.00                       | 3               | 3                        | 3                     | 3 3                           | 3                           |                |                             | <del></del>    | <del> </del>    |
| +  | B# Rate >   | \$ 300.00      |                |                      | \$ 195.00       |              |                         | 5 148.20        | \$ 121.80                     | \$ 137.34       | \$ 79.29                 | \$ 228.03             | \$ 239.31                     |                             |                |                             | <b></b>        |                 |
| +  | 4.1.10 Plumbing Engineering                         | 3 300.00       | 7 520,52       | y Sucios             | 200.00          | 1            | 1                       |                 | ,                             |                 | ,                        | ,                     | ·                             | ,                           | 0              | ŝ.                          |                | S               |
| +  | 4.1.11 HVAC Engineering                             |                |                |                      |                 | <del> </del> | <b>!</b>                |                 |                               |                 |                          |                       |                               |                             | Ğ              | \$ -                        |                | Š               |
| +  | 4.1.12 Structural Engineering                       |                |                |                      |                 |              |                         |                 |                               |                 |                          |                       |                               |                             | 0              | \$ -                        |                | 5               |
| +  | 4,1,13 Architectural                                |                |                |                      |                 |              |                         |                 |                               |                 |                          |                       |                               |                             | 0              | \$ -                        | l              | 5               |
| †  | Suhtask 4.1- Total                                  | 4              | 12             | 80                   | 50              | 80           | 156                     | 80              | 104                           | 0               | 0                        | 24                    | 61                            | 21                          | 682            | \$ 132,601,08               | \$ -           | \$              |
| t  | Subtask 4,2 - 90% Pipeline Design Submittal         |                |                |                      |                 |              |                         |                 |                               |                 |                          |                       |                               |                             |                |                             |                | [ .             |
| Ť  | 4.2.1 90% Pipeline Plans                            |                |                |                      |                 |              |                         |                 |                               |                 |                          |                       |                               |                             | 0              | \$ -                        |                | \$              |
| 1  | 4.2.2 90% Specifications                            |                |                |                      |                 |              |                         |                 |                               |                 |                          |                       |                               |                             | 0              | \$                          |                | \$              |
| T  | 4.2.3 90% Opinion of Probable Cost                  |                |                |                      |                 |              |                         |                 |                               |                 |                          |                       |                               |                             | 0              | \$ -                        |                | \$              |
| I  | Subtask 4.2- Total                                  | 0              | Ð              | 0                    | 0               | 0            | D                       | Ð               | - 6                           | 0               | 0                        | 0                     | 0                             | 0                           | 0              | \$ -                        | \$ -           | \$              |
| Ŀ  | Subtask 4.3 – 90% Pump Station Design Submittal     |                |                |                      |                 |              | <b></b>                 |                 |                               |                 |                          |                       |                               |                             |                |                             |                |                 |
| Ι  | 4.3.1 Design, BIM, and Quality Management           |                | 4              | 24                   |                 | 16           | 100                     |                 | 80                            |                 |                          |                       |                               |                             | 224            | \$ 40,408.56                |                | 5               |
| 1  | 4.3.2 General Sheets                                |                |                | 16                   | 8               | 32           |                         | 40              |                               |                 |                          |                       |                               |                             | 96             | \$ 16,725.12                |                | \$              |
| 1  | 4,3.3 Proc-Mech Design                              |                |                |                      | 40              | 50           |                         | 40              |                               |                 |                          |                       |                               |                             | 130            | \$ 20,661,00                |                | \$              |
| 1  | 4.3.4 OPCC and Construction Schedule                |                | 4              | 8                    |                 |              | ļ                       |                 |                               |                 |                          | 24                    | 61                            | 21                          | 118            | \$ 28,813.32                |                | \$              |
| 1  | 4.3.5 Quality Review                                |                |                | 24                   |                 | <del> </del> |                         |                 |                               |                 |                          |                       |                               |                             | 24<br>52       | \$ 7,200.00<br>\$ 11,658.24 |                | 5               |
| 4  | 4.3.6 Workshop                                      | 4              | 4              | 8                    | 8               | Į            | 24                      |                 | 4                             |                 |                          |                       |                               |                             | 0              | 5 11,658,24                 |                | 15              |
| 4  | 4,3,7 Site Civil Engineering                        |                |                |                      |                 |              |                         |                 |                               |                 |                          |                       |                               |                             | 0              |                             |                | 13              |
| 4  | 4.3.8 Landscape Architecture                        |                |                |                      |                 |              |                         |                 |                               |                 |                          |                       |                               |                             | 0              | \$ -                        |                | f <del>è</del>  |
| 4  | 4.3.9 Electrical Engineering                        |                |                |                      |                 | <del> </del> |                         |                 |                               |                 |                          |                       |                               |                             | 0              | \$ .                        |                | 12              |
| ╬  | 4.3.10 Plumbing Engineering 4.3.11 HVAC Engineering |                |                |                      |                 | <del> </del> | <del> </del>            |                 |                               |                 |                          |                       | -                             |                             | 0              | \$ -                        |                | 13              |
| +  | 4.3.12 Structural Engineering                       |                |                |                      |                 | <del> </del> |                         |                 |                               |                 |                          |                       |                               |                             | ŏ              | š -                         |                | 15              |
| ╅  | 4.3.13 Architectural                                |                |                |                      |                 | <b>†</b>     |                         |                 |                               |                 |                          |                       |                               |                             | <del>-</del>   | š -                         |                | Š               |
| +  | Subtask 4,3- Total                                  | 4              | 12             | 80                   | 56              | 98           | 124                     | 80              | 84                            | 0               | 0                        | 24                    | 61                            | 21                          |                | \$ 125,466.24               | š -            | \$              |
| t  | Subtask 4.4 - 100% Pipeline Design Submittal        |                |                |                      |                 |              |                         |                 |                               |                 |                          |                       |                               |                             | 711            | <del>+,</del>               | •              |                 |
| ť  | 4.4.1 100% Pipeline Plans                           |                |                |                      |                 |              |                         |                 |                               |                 | i                        |                       |                               |                             | 0              | \$ .                        |                | \$              |
| Ť  | 4.4.2 100% Specifications                           |                |                |                      |                 |              |                         |                 |                               |                 |                          |                       |                               |                             | 0              | \$                          |                | \$              |
| t  | 4.4.3 100% Opinion of Probable Cast                 |                |                |                      |                 | <u> </u>     |                         |                 |                               |                 |                          |                       |                               |                             | Đ.             | \$ -                        |                | \$              |
| Ť  | Subtask 4.4- Total                                  | 0              | 0              | 0                    | 0               | 0            | 0                       | 0               | 0                             | D               | £                        | a                     | 0                             | G                           | 0              | \$ -                        | \$ -           | \$              |
| 13 | Subtask 4.5 - 100% Pump Station Design Submittal    |                |                |                      |                 |              |                         |                 |                               |                 |                          |                       |                               |                             | i              |                             |                | 5               |
| T  | 4.5.1 Design, BIM, and Quality Management           |                | 4              | 24                   |                 | 16           | 48                      |                 | 24                            |                 |                          |                       | L                             |                             | 116            | \$ 23,163.84                |                | \$              |
| Ι  | 4.5.2 General Sheets                                |                |                | 16                   | 8               | 32           |                         | 40              |                               |                 |                          |                       |                               |                             | 96             | \$ 16,725.12                |                | \$              |
| Τ  | 4,5,3 Proc-Mech Design                              |                |                |                      | 40              | 50           |                         | 40              |                               |                 |                          |                       |                               |                             | 130            | \$ 20,661.00                |                | \$              |
| I  | 4.5.4 OPCC and Construction Schedule                |                |                | 8                    |                 | ļ            |                         |                 |                               |                 |                          |                       |                               |                             | 8              | 5 2,400.00                  |                | \$              |
| 1  | 4.5.7 Site Civil Engineering                        |                |                |                      |                 |              |                         |                 |                               |                 |                          |                       |                               |                             | 0              | \$ .                        |                | \$              |
| 1  | 4.5.8 Landscape Architecture                        |                |                |                      |                 | <b>ļ</b>     |                         |                 |                               |                 |                          |                       |                               |                             | 0              | \$ ·                        |                | \$              |
| 1  | 4.5.9 Electrical Engineering                        |                | ļ              |                      |                 |              |                         |                 |                               |                 |                          |                       |                               |                             |                | \$ -                        |                | 3               |
| Ŧ  | 4.5.10 Plumbing Engineering                         |                |                |                      |                 | ļ            |                         |                 |                               |                 |                          |                       | <b></b>                       |                             | 0              | \$ -                        |                | 3               |
| ļ. | 4.5.11 HVAC Engineering                             |                |                |                      |                 | <b> </b>     |                         |                 |                               |                 |                          |                       | <u> </u>                      |                             | 0              | \$ -                        |                | 3               |
| 4  | 4.5.12 Structural Engineering                       |                | <b></b>        |                      |                 | <del></del>  |                         |                 | ·                             |                 |                          |                       |                               |                             | 0              | \$ -                        |                | 3               |
| +  | 4.5.13 Architecturol Subtask 4,5-Total              |                | 4              | 48                   | 48              | 98           | 48                      | 80              | 24                            | 0               |                          |                       |                               |                             | 350            | \$ 62,949.96                | \$ -           | \$              |
| 4  | Sebtask 4,5- Total                                  | 0              | - 1            | 48                   | 48              | 38           | 48                      | 80              | 44                            | ď               | •                        | · ·                   | - ·                           | <del>'</del> i              | 23Ų (          | 3 02,949.90 <u>1</u>        | » -            | <u> </u>        |
| †  | Task 4 - Subtotal                                   | 8              | 28             | 208                  | 164             | 276          | 328                     | 240             | 212                           | 0               | 0                        | 48                    | 122                           | 42                          | 1676           | \$ 321,017.28               | \$ -           | \$              |
| -  | Pipeline Permitting Services                        |                |                |                      |                 |              |                         |                 |                               |                 |                          |                       |                               |                             |                | +                           |                |                 |
|    |   |                |                |                      |                 | L            |                         |                 |                               |                 |                          |                       | $\overline{}$                 |                             |                | -                           |                |                 |

| Z*TTS'Z99         | \$ 05'961\$                           | ZC.PIE,530 2                                     | E846  |  |                              | Τ                     | T                    | T  | 1  | 1  | 1              | T            | T  | 1   | T  |               | PROJECT TOTAL  |
|-------------------|---------------------------------------|--|---|--|------------------------------|-----------------------|----------------------|--|--|--|----------------|--------------|--|---|--|---------------|--|
|                   |                                       |  |   |  | <del>-  </del>               | ļ                     | <del> </del>         | <del>                                     </del> | 1  | 1  | 1              | 1            | 1  | 1   | <del>                                     </del> | +             |  |
|                   |                                       | 71.41E,133 \$                                    |   | 99'610'62  | \$ 88'8#6'65 \$              | 91,814,81 \$          | Z9'681'9 \$          | 82,887,8   | 00.758,82  | 00'91E'9S \$                                     | 82,188,EL1 \$  | #8'065'6£ \$ | 00,0VE,1V 3                                      | 00.008,EEL \$                                     | 00,008,TE  | \$ 00.002,5   | \$ (etubet lestostud * esest illä) lestostud zudeal                                      |
|                   |                                       |  |   |  | \$ 17.67 \$                  | t0.9% \$              | EV 97 \$             | 87.24 3  |  | 09'69 5  | 78'99 \$       | \$ 46.22     | 00'59  | 72.011 \$   | 65.4 <u>5</u> £                                  | \$ 50.841     | \$ estan Standard  |
|                   |                                       | 3483   | EBAE  | <b>Þ</b> 6                                       | 862                          | 71                    | BZ.                  | 24   | 597  | ORE  | 895            | PES          | 99£  | 959   | 156  | 74            | 2190H Safotdu2 TodeJ   |
|                   |                                       | .  | <u> </u>  |  |                              |                       |                      |  |  | <u> </u>   |                |              |  |   | 1  |               |  |
| 77757299          | \$ 05'96T                             | 27.01E,788 \$                                    | 1   |  |                              | ļ                     | <b>1</b>             |  |  |  |                |              | ļ  |   | <b></b>  |               | T-L JassT to mu2   |
|                   |                                       |  |   |  |                              |                       | ļ                    |  |  |  |                |              |  |   |  |               |  |
|                   |                                       | - \$   |   | 0  | 0                            | 0                     | 0                    | 6  | В  | 6  | 0              | 0            | 0  | 0   | 0  | 0             | lefotdu2 - 5 xise7   |
| -                 | <u> </u>                              | - \$   |   | ļ  |                              | ļ                     | ļ                    | <b></b>  | <b></b>  | <b>↓</b>   |                | <b></b>      | <b></b>  |   | <b>↓</b>   |               | noltalnentutishi 2,5   |
| <u>.</u>          | \$                                    | - \$   |   |  |                              |                       | <b></b>              |  |  |  | <del> </del> - | <b></b>      | <del> </del>                                     |   | ļ  |               | 7,4 Mointenance of Traffic   |
|                   | š .                                   | 1 3  |   |  | +                            | <u> </u>              | <del></del>          | 1  | <b></b>  | 4  | <b></b>        | <b></b>      | <b></b>  |   | -  | _             | 27. Duld Design in provenents Period in Ex   |
|                   | \$                                    | \$   |   |  |                              | <del></del>           | ·                    |  | <del> </del>                                     | <del> </del>                                     | <b>+</b>       | <del> </del> | <del> </del>                                     |   | <b></b>  |               | 7.1 Outfull Topographic Survey   |
|                   | *                                     | ·  | +   |  |                              | ļ                     |                      |  | <del> </del>                                     |  | 1              | <b></b>      |  |   | <b></b>  | -             | Mittall Design and Permitting  |
|                   |                                       | <del> </del>                                     | <del> </del>                                      | ļ  | +                            |                       |                      | <del> </del>                                     | <b></b>  | <del> </del>                                     | <b></b>        | <b></b>      | <del> </del>                                     | <del> </del>                                      |  | +             | anitimes her anied liette  |
| 6£'9Z             | · · · · · · · · · · · · · · · · · · · | 09'166'97 \$                                     | ACY   | 0  | 0                            | 0                     | Б                    | 0  | Ob   | 91   | 91             | \$10         | SE   | IS  | 0  | 9             | lezordes2 - 8 AseT   |
| EZ'9              | š                                     | 18.755.8   |   | ·····  |                              |                       |                      | <del>                                     </del> | 24   | <del>  "</del>                                   |                | 1 6          | B  | - U   | <del> </del>                                     | - <del></del> | 6.8 Preporation of Conformed Documents   |
|                   | Ś                                     | - 5  |   |  | +                            | <del> </del>          | <del> </del>         | <del></del>                                      | <del> </del>                                     | 1  | <del> </del>   | <del> </del> | <del>                                     </del> | <del>  '                                   </del> |  | +             | 191191 browd to nottabasemmoses shivors 5.8  |
|                   | -                                     | <u>-</u>   |   | <del>                                     </del> | _                            |                       |                      |  | <del> </del>                                     | <del> </del>                                     | <del></del>    |              | 1  |   | +  | +             |  |
|                   | \$                                    | - \$   | 0   | İ  | j                            |                       | 1                    |  | i  |  | 1              |              | 1  |   |  |               | 6-6 Perform Sensitivity Analysis on Une Item Pricing from                                |
|                   | \$                                    | · \$   | 0   |  |                              | <b>†</b>              | 1                    |  |  |  |                | <del> </del> | <b>†</b>   | <b>-</b>  | 1  |               | 6.5 Review and Compile Bid Results   |
| 51'07             | \$                                    | 97.E21,05 \$                                     | 150   | ***************************************          |                              |                       | Í                    |  | 91   | 91   | 91             | 09           | 54   | 8   | <b>†</b>   |               | 6.4 Respond to Requests for Additional Information                                       |
|                   | \$                                    | - 5  | 1 0   |  |                              |                       | 1                    | <b>†</b>   |  |  | <b>T</b>       |              |  |   | 1  | 1             | 6.3 Updated OPCC and Schedule  |
|                   | \$                                    | - 5  | 0   |  | 1                            | 1                     | 1                    | 1  |  | <b></b>  |                | 1            |  |   |  | 1             | 6.2. Attend Pre-Bid Meeting  |
|                   | \$                                    | . \$   | 0   |  |                              |                       | 1                    |  |  |  |                | 1            | 1  |   |  | <u> </u>      | 6.1 Review the Bid Advertisement   |
|                   |                                       | Ī  | 1   |  |                              | 1                     |                      |  |  |  |                |              |  | 1   |  |               | dding Support  |
|                   |                                       |  |   |  |                              |                       |                      |  |  | 1  |                | ĺ            |  | 1   |  |               |  |
| 577               | \$ - 5                                | \$ 72,975,444                                    | ZEI   | O O  | 0                            | 0                     | D                    | 0  | 24   | 54   | 8              | 9E           | OZ   | 91  | b  | 0             | lefoldu2 · 2 AseT  |
|                   |                                       |  |   |  |                              |                       |                      |  |  | T  |                |              |  |   |  |               |  |
| 16,55             |                                       | \$ \$2,975,44                                    | 135   | 0  | ō                            | 0                     | 6                    | 0  | 74   | ÞZ   | 8              | 9E           | 20   | 97  | Þ  | 0             | Subtask 5.4-Total  |
| £6'7Z             | \$                                    | \$ 75,975,44                                     |   |  |                              |                       |                      |  | 24   | ÞΖ   | 8              | 98           | 50   | 91  | b  |               | S.4.4 PBC Building Department Review   |
|                   | \$                                    | - \$   | 0   |  |                              |                       |                      |  |  |  |                |              | 1  |   |  |               | S.4.3 PBC Land Developinent Droinoge Review  |
|                   | <u> </u>                              | \$   | 0   |  |                              |                       |                      |  |  | <b></b>  | <u> </u>       |              |  |   |  |               | Enissimas Resources Reminish Environmental Gh/W12. S.A.2                                 |
|                   | \$                                    | - \$   | 0   |  |                              | <b></b>               | 1                    | <u> </u>   | <u> </u>   | <u> </u>   | ļ              | ļ            | Į  |   | ļ  |               | S.A.1. PBC.Site Pion Approval  |
|                   |                                       | <u> </u>   |   |  |                              |                       | <u> </u>             |  |  |  | <u> </u>       | <u> </u>     | <u> </u>   |   | Ļ  |               | ubtask 5.4 - Pump Station Permitting Services  |
|                   | 5 . \$                                | - \$   | 0   | 0  | 0                            | 0                     | 0                    | 0  | 0  | 0  | 9              | 0            | 0  | 0   | 0  | 0             | fetoT - £.3 xetdu2   |
|                   | \$                                    | . \$   | 0   |  |                              |                       |                      | 1  | <b></b>  |  |                |              | L  | <u> </u>  |  |               | 5.3.3 Revise and Resubmit Application Documents  |
|                   | <u> </u>                              | - 5  | 0   |  |                              | Į                     | <b></b>              | ļ  |  |  |                | ļ            | ļ  |   | <u> </u>   |               | 5,3,2 Prepare and Submit Application Data  |
|                   | \$                                    | - \$   | 0   |  |                              | <u> </u>              |                      | ļ  |  | ļ  |                | ļ            | ļ  |   |  |               | bitask 5.3 - Permitting with Lake Worth Droinage District 5.3 1. Pre-Application Meeting |
|                   |                                       | - 3  | 0   |  |                              |                       |                      |  |  |  | <u> </u>       | <del> </del> | <del> </del>                                     | ļ   | ļ <u>.</u>                                       |               |  |
|                   | <u> </u>                              | 1 3  |   | ٥  | 0                            | 0                     | 0                    | 0  | 8  | 0  | 0              | 0            | •  | 0   | 0  | 0             | 5.5.2 Revise and Resubmit Application Documents [5.7.2 Steadu2                           |
|                   | 2                                     |  | 6   |  |                              | <b>[</b>              |                      |  | <b></b>  | <b></b>  | <b> </b>       | ļ            | ļ  |   | <b>-</b>   | -             | 2.5.2 Prepare and Submit Application Data and Plans                                      |
|                   | \$                                    | · \$   |   |  |                              |                       | <b></b>              | <del> </del>                                     | <b></b>  | ļ  |                | <b> </b>     | <del> </del>                                     | <b> </b>  | ļ  |               | 1.5.2 Pre-Application Meeting  |
|                   | <del></del>                           |  | <u>`</u>  |  | +                            |                       |                      |  | <del> </del>                                     | <del> </del>                                     | <del> </del>   | _            | <del></del>                                      | <del>-</del>                                      |  | +             | ubiask S.2 - Permitting for Acadway Impacts (FDOT)                                       |
|                   | 5 - 5                                 |  | 0   | 0  | 0                            | 0                     | 6                    | 0  | 0  |  | 0              | 0            | 0  | 0   | 0  |               | latoT -L.2 Assidu2   |
|                   | <del>(  '</del>                       | - :  | 0   | ·············                                    | + ·                          | <del>-</del>          | · · · ·              | · · · · · ·                                      | <del>                                     </del> | <del></del>                                      | · · · · ·      | ·····        | <del> </del>                                     | <del>                                     </del>  | <del> </del>                                     | + -           | 5.1.3 Revise and Resubmit Application Documents  |
|                   | - <del>č</del> †                      | <del>                                     </del> | Ö   |  | +                            |                       |                      | -  | -  | <del>                                     </del> | <del> </del>   |              | <del> </del>                                     |   | <del> </del>                                     |               | 5.1.2 Prepare and Submit Application Data  |
| •                 |                                       | <del>-                                    </del> | <del>l                                     </del> | 68.44 <u>C</u>                                   | S TE'6EZ S                   | £0.822 \$             | 62.67 \$             | \$ 137.34  | 08.121 \$  | 02.8h1 \$  | 9\$'00Z \$     | 99.BEI \$    | 00.261 \$  | 00.00E 2  | 00,00€   | 300'00        | \$ < #PAR HIRB   |
|                   |                                       | <del>                                     </del> | <del> </del>                                      | g c  | 7 30 000 3                   |                       | F 5                  | F  | 5  |  | 8              | £ ,          | 6 20   | E   | E  | F 5           | < >>β(dight)\$   |
|                   |                                       |  | <del> </del>                                      | £9.£8  |                              | \$ 76.01              | E#'97 \$             | 87.25 \$   |  | 04.94 Ş  | Z8'99 \$       |              | <u> </u>   |   |  | \$ 50.891     | \$ < 958 weA   |
|                   |                                       | <del> </del>                                     | 1   | 2770   | <u> </u>                     | 110.12                |                      | 7  | 7  | 10.07  | V              | 10031        | 1000   | 120 1111 7  | 1  | 4             | ·  |
|                   |                                       | <u> </u>   |   |  |                              |                       | ~                    | ·  | ·  | ··········                                       |                |              | 10   |   |  |               |  |
|                   | 1                                     |  |   | n 2  | , E                          | m =                   | R.                   | Project Analys                                   | Senior Project<br>Coordinator                    | Senior   | . S            | gr           | 2.   | m <   | E C  | ≦             |  |
| idya nun anoma ie | Total Expenses Tot                    | Total Labor                                      | Hours   | 촱츛   | 품품                           | 2 3                   | 1 3 3                | ĝ  | 8 a  | 1 %  | <u> </u>       | 🥞            | %  | A 9   | l ä  | +             | Task Description   |
| han sode lie      | * *manage   letoT                     | -wde   letoT                                     | leto?   | rincipal Cost<br>Estimator                       | spervising cost<br>Estimator | Principal<br>Engineer | Project<br>ministrat | à  | 1 2 2  | Design   | % ₹            | gineer       | 58   | Managing<br>Engineer                              | 44   | E             | multinissand durit   |
|                   | i                                     | [  |   | 무요   | 9 8                          | द ≕                   | 8 7                  | ały:   | <b>₫</b> ₩                                       | 9  | * 2            | 1 2          | [ <u>3</u>                                       | × *   | 1 7  | 🕸             |  |
|                   |                                       |  |   |  |                              |                       |                      |  |  |  |                |              |  |   |  |               |  |

ATTACHMENT E YAWWARY

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>C & W Engineering, inc.</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|                |  |                       |                  |          |                          |          |                |                | S            | UB TOTALS      |                            |
|----------------|--|-----------------------|------------------|----------|--------------------------|----------|----------------|----------------|--------------|----------------|----------------------------|
| Task<br>Number | Task Description   | Principal<br>Engineer | Project Engineer | Engineer | Senior Cadd/<br>Designer | CAD TECH | Administration | Total<br>Hours | Total Labor  | Total Expenses | Total Labor an<br>Expenses |
|                | Davi Pakas I   | \$ 76,00              | \$ 64.89         | \$ 36.00 | \$ 32,00                 | \$ 28,00 | \$ 24.00       |                |              |                |                            |
|                | Raw Rate > 1   | 2.25                  | \$ 64.89<br>2.25 | 2.25     | 2.25                     | 2.25     | 2.25           |                | <b></b>      | <del> </del>   | <del> </del>               |
|                | Multiplier ><br>Bill Rate > 1  |                       |                  | \$ 81.00 |                          |          |                |                |              |                |                            |
| TASK 1         | Project Management and Coordination  |                       |                  |          |                          |          |                |                |              |                |                            |
|                | 1.1 Kickoff Meeting  |                       |                  |          |                          |          |                | 0              | \$ -         |                | \$ -                       |
|                | 1.2 Coordination and General Correspondence  | 40                    | 40               | 40       | 6                        |          |                | 126            | \$ 16,352.10 |                | \$ 16,352.1                |
|                | 1,3 Progress Meetings  | 24                    | 24               | 36       | 6                        |          | . 4            | 94             | \$ 11,172.06 |                | \$ 11,172.0                |
|                | Task 1 - Subtotal  | 64                    | 64               | 76       | 12                       | 0        | 4              | 220            | \$ 27,524.16 | \$0.00         | \$ 27,524.1                |
| TASK 2         | Field Services   |                       |                  |          |                          |          |                |                |              |                |                            |
|                | Subtask 2.1 - Records Review, Site Investigation and Photo Study                       |                       |                  |          |                          |          |                |                |              |                |                            |
|                | 2.1.1 Review of record drawings and previous studies                                   |                       |                  |          |                          |          |                | 0              | \$ -         |                | \$ -                       |
|                | 2.1.2 Review of plans prepared by others adjacent to the project area (GL Homes)       |                       |                  |          |                          |          |                | 0              | \$ -         |                | \$ -                       |
|                | 2.1.3 Site visit   |                       |                  |          |                          |          |                | 0              | \$ -         |                | \$ -                       |
|                | 2,1.4 Prepare Technical Memo of Field Observations                                     |                       |                  |          |                          |          |                | 0              | \$ -         |                | \$ -                       |
|                | Task 2,1- Total  | 0                     | 0                | 0        | 0                        | 0        | 0              | 0              | \$ -         | \$ -           | \$ -                       |
|                | Subtask 2.2 - Subsurface Utility Engineering (SUE)                                     |                       |                  |          |                          |          |                |                |              |                |                            |
|                | Palm Beach County and Florida Department of Transportation Right-of-<br>Way Permitting |                       |                  |          |                          |          |                | 0              | \$ -         |                | \$ -                       |
|                | 2.2.2 Level A - Patholes for Verification of Utility Locations                         |                       |                  |          |                          |          |                | 0              | \$ -         |                | \$ -                       |
|                | 2,2,3 Level B - Scan and Sweep / Targeting   |                       |                  |          |                          |          |                | C              | \$ -         |                | \$ -                       |
|                | 2.2.4 Level C - Design Tickets and Records Research                                    |                       |                  |          |                          |          |                | 0              | \$ -         |                | \$ -                       |
|                | 2.2.5 Maintenance of Traffic   |                       |                  |          |                          |          |                | 0              | \$ -         |                | \$ -                       |
|                | Task 2.2- Total  | 0                     | 0                | 0        | 0                        | 0        | 0              | 0              | \$ -         | \$ -           | \$ -                       |
|                | Subtask 2.3 - Geotechnical Investigation   | •                     |                  |          |                          |          |                |                |              |                |                            |
|                | 2,3.1 Palm Beach County and FDOT Right-of-Way Permitting                               |                       |                  |          |                          |          |                | 0              | \$ -         |                | \$ -                       |
|                | 2.3.2 Soil Borings and Geotechnical Testing  |                       |                  |          |                          |          |                | 0              | \$ -         |                | \$ -                       |
|                | Task 2.3- Total  | 0                     | 0                | 0        | 0                        | 0        | 0              | 0              | \$ -         | \$ -           | \$ -                       |
|                | Subtask 2.4 - Survey   |                       |                  |          |                          |          |                |                |              |                |                            |
|                | 2.4.1 Route Survey   |                       |                  |          |                          |          |                | 0              | \$ -         |                | \$ -                       |
|                | 2.4.2 Topographic Survey   |                       |                  |          |                          |          |                | 0              | \$ -         |                | \$ -                       |
|                | 2.4.3 Pump Station Site Boundary and Topographic Survey                                |                       |                  |          |                          |          |                | 0              |              |                | \$ -                       |
|                | 2.4.4 Preparation of Sketch and Legal Descriptions for easements as needed             |                       |                  |          |                          |          |                | 0              | \$ -         |                | \$ -                       |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>C & W Engineering, Inc.</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|                |   |           |               |                  |              |               |                          |   |               |                  |                |          | S          | UB TOTALS                               |    |                         |
|----------------|---|-----------|---------------|------------------|--------------|---------------|--------------------------|---|---------------|------------------|----------------|----------|------------|---|----|-------------------------|
| Task<br>Number | Task Description  | Principal | Engineer      | Project Engineer |              | Engineer      | Senior Cadd/<br>Designer | *************************************** | САО ТЕСН      | Administration   | Total<br>Hours | To       | otal Labor | Total Expenses                          | ž. | l Labor and<br>Expenses |
|                |   |           |               |                  | 4.           |               |                          |   |               |                  |                |          |            |   |    |                         |
|                | Raw Rate >  |           | 76.00         | \$ 64.89<br>2.25 | \$           | 36.00<br>2.25 | \$ 32.00<br>2.25         | \$                                      | 28.00<br>2.25 | \$ 24.00<br>2.25 |                | ├        | ·····      |   | 1  |                         |
|                | Multiplier > Bill Rate >  | 2 خ       | .25<br>171.00 | \$ 146.00        | . e          | 81.00         | \$ 72.00                 | -                                       |               | \$ 54.00         |                | <u> </u> |            |   |    |                         |
|                | 2.4.5 Maintenance of Traffic  | 3         | 1/1,03        | \$ 146.00        | 13           | 81.00         | \$ 72.00                 | 13                                      | 65.00         | \$ 34.00         | 0              | \$       | -          |   | \$ |                         |
|                | Task 2.4- Total   |           | 0             | 0                |              | 0             | 0                        | +                                       | 0             | 0                | 0              | Š        | -          | Ś                                       | \$ |                         |
|                | 1035217 1010  |           | <u> </u>      | -                | +            |               |                          | +                                       |               | _ •              |                | ľ        |            | *                                       | -  |                         |
|                | Task 2 - Subtotal   |           | 0             | 0                |              | 0             | 0                        |   | 0             | 0                | 0              | \$       | -          | \$ -                                    | \$ | -                       |
|                |   |           |               |                  |              |               |                          | 1                                       |               |                  |                |          |            |   |    |                         |
|                | Preliminary Design  |           |               |                  | <del> </del> |               |                          | _                                       |               |                  |                | ऻ—       |            |   |    |                         |
|                | Subtask 3.1 - Outfall Operational Review  |           |               |                  |              |               |                          | ╄-                                      |               |                  |                | ļ.,      |            |   | _  |                         |
|                | 3,1,1 Site visit to each location, with PBCWUD  |           |               |                  | +            |               |                          |   |               |                  | 0              | \$       |            |   | \$ | -                       |
|                | 3.1.2 Review permit conditions for each outfall   |           |               |                  | +            |               |                          | ╀                                       |               |                  | 0              | \$       | -          |   | \$ |                         |
|                | 3.1.3 Review available records to determine the infrastructure in place to each outfall |           |               |                  |              |               |                          |   |               |                  | Đ              | \$       | -          |   | \$ | -                       |
|                | 3.1.4 Prepare Technical Memorandum  |           |               |                  |              |               |                          |   |               |                  | 0              | \$       | -          |   | \$ | -                       |
|                | Subtask 3,1- Total  |           | 0             | 0                |              | 0             | 0                        |   | 0             | 0                | 0              | \$       | -          | \$ -                                    | \$ |                         |
|                | Subtask 3.2 - Pump Station Basis of Design Report and 10% Design                        |           |               |                  |              |               |                          |   |               |                  |                |          |            |   |    |                         |
|                | 3.2.1 Basis of Design Report (BODR) Conceptual 10% Design                               |           | 1             | 4                |              | 2             | 3                        |   |               |                  | 10             | \$       | 1,133.01   |   | \$ | 1,133.0                 |
|                | 3.2.2 Design, BIM, Quality Management, OPCC, Schedule                                   |           |               |                  |              |               |                          |   |               |                  | 0              | \$       | -          |   | \$ | -                       |
|                | 3.2.3 Proc-Mech BODR  |           |               |                  | 1            |               |                          |   |               |                  | 0              | \$       | -          |   | \$ | -                       |
|                | 3.2.4 Surge Analysis  |           |               |                  |              |               |                          | L                                       |               |                  | 0              | \$       | -          |   | \$ | -                       |
|                | 3,2.5 Quality Review  |           | 1             | 2                |              |               |                          |   |               |                  | 3              | \$       | 463.01     |   | \$ | 463.0                   |
|                | 3.2.6 Workshop  |           |               |                  | <u> </u>     |               |                          |   |               |                  | 0              | \$       | -          | *************************************** | \$ | -                       |
|                | Subtask 3.2- Total  |           | 2             | 6                |              | 2             | 3                        |   | 0             | 0                | 13             | \$       | 1,596.02   | \$ -                                    | \$ | 1,596.0                 |
|                | Subtask 3.3 - 30% Pipeline Design Plan Preparation                                      |           |               |                  |              |               |                          | ┸                                       |               |                  |                |          |            | *************************************** |    |                         |
|                | 3.3.1 30% Pipeline Plans  |           |               |                  |              |               |                          | <u> </u>                                |               |                  | 0              | \$       | -          |   | \$ | -                       |
|                | Subtask 3.3- Total  |           | 0             | 0                |              | 0             | 0                        | _                                       | 0             | 0                | 0              | \$       |            | \$ -                                    | \$ | -                       |
|                | Subtask 3.4 - 30% Pump Station Design Plan Preparation                                  |           |               |                  |              |               |                          | <u> </u>                                |               |                  |                |          |            |   |    |                         |
|                | 3.4.1 Basis of Design Report (BODR) Conceptual 30% Design                               |           |               |                  |              |               |                          | 1                                       |               |                  | 0              | \$       | -          |   | \$ | -                       |
|                | 3.4.2 Design, BIM, and Quality Management   |           |               |                  | <u> </u>     |               |                          | 1                                       |               |                  | 0              | \$       | -          |   | \$ | -                       |
|                | 3.4.3 General Sheets  |           |               |                  |              |               |                          | ↓_                                      |               |                  | 0              | \$       | -          |   | \$ | -                       |
|                | 3.4.4 Proc-Mech Design  |           |               |                  | ļ            |               |                          | <u> </u>                                |               |                  | 0              | \$       | -          |   | \$ | -                       |
|                | 3.4.5 OPCC and Construction Schedule  |           |               |                  | <u> </u>     |               |                          | 1                                       |               |                  | 0              | \$       |            | ~~~~                                    | \$ | -                       |
|                | 3.4.6 Quality Review  |           |               |                  | <b>_</b>     |               |                          | 1                                       |               |                  | 0              | \$       |            |   | \$ | -                       |
|                | 3.4.7 Workshop  |           |               |                  | ₩            |               |                          | <b>↓</b>                                |               |                  | 0              | \$       | -          |   | \$ |                         |
|                | 3.4.8 Site Civil Engineering  |           |               |                  | _            |               |                          | 1                                       |               |                  | 0              | \$       | -          |   | \$ | -                       |
|                | 3.4.9 Landscape Architecture  |           |               |                  | <u> </u>     |               |                          | -                                       |               |                  | 0              | \$       | -          |   | \$ | -                       |
|                | 3.4.10 Electrical Engineering   |           | 2             | 3                |              | 12            | 20                       |   |               | 1                | 38             | \$       | 3,246.01   |   | \$ | 3,246.01                |
|                | 3.4.11 Plumbing Engineering   |           | 3             | 3                | Ш_           | 16            | 22                       | <u> </u>                                |               | 1                | 45             | \$       | 3,885.01   |   | \$ | 3,885.03                |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: C & W Engineering, Inc.

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

|                |   |   | ·  |          | F                        | +  |                |                | S            | UB TOTALS                               |   |
|----------------|---|---|--|----------|--------------------------|--|----------------|----------------|--------------|---|---|
| Task<br>Number | Task Description  | Principal<br>Engineer                   | Project Engineer                                 | Engineer | Senior Cadd/<br>Designer | САР ТЕСН   | Administration | Total<br>Hours | Total Labor  | Total Expenses                          | Total Labor and<br>Expenses             |
|                |   |   |  |          |                          |  |                |                |              |   |   |
|                |   | \$ 76.00                                |  |          |                          |  |                |                |              |   |   |
|                | Multiplier >  | 2,25                                    | 2.25   | 2.25     | 2.25                     | 2.25   | 2.25           |                |              |   |   |
|                | Bill Rate >   | \$ 171.00                               |  |          |                          |  |                |                |              |   | _                                       |
|                | 3.4.12 HVAC Engineering                                   | 4                                       | 6  | 24       | 24                       |  | 1              | 77             | \$ 5,286.02  |   | \$ 5,286.02                             |
|                | 3.4.13 Structural Engineering                             |   |  |          |                          |  | ļ              | 0              | \$ -         |   | \$ -                                    |
|                | 3.4.14 Architectural                                      |   |  |          |                          |  |                | 0              | \$ -         |   | \$ -                                    |
|                | Subtask 3.4- Total  | 9                                       | 12   | 52       | 66                       | 0  | 3              | 142            | \$ 12,417.03 | \$ -                                    | \$ 12,417.03                            |
|                | Task 3 - Subtotal   | 11                                      | 18   | 54       | 69                       | 0  | 3              | 155            | \$ 14,013.05 | \$ -                                    | \$ 14,013.05                            |
|                |   |   |  |          |                          |  |                |                |              |   |   |
| TASK 4         | Detailed Design   |   |  |          | <u> </u>                 | <b></b>  |                |                |              |   |   |
|                | Subtask 4,1 - 60% Pump Station Design Submittal           |   |  |          |                          | -  |                | 0              | \$ -         |   | \$ -                                    |
|                | 4.1.1 Design, BIM, and Quality Management                 |   |  |          | <del> </del>             |  | -              | 0              | \$ -         |   | \$ -                                    |
|                | 4.1.2 General Sheets                                      |   |  |          |                          |  | <del></del>    | 0              |              | •                                       | \$ -                                    |
|                | 4.1.3 Proc-Mech Design                                    |   | <del>                                     </del> |          |                          |  |                | 0              | \$ -         |   | \$ -                                    |
|                | 4,1,4 OPCC and Construction Schedule                      |   | -  |          |                          |  | <del> </del>   | 0              | \$ -         |   | \$ -                                    |
|                | 4.1.5 Quality Review 4.1.6 Workshop                       |   |  | (        |                          | <del>                                     </del> | <del> </del>   | 0              | s -          |   | \$ -                                    |
|                | 4.1.6 Workshop  4.1.7 Site Civil Engineering              |   | <del>                                     </del> |          |                          |  |                | 0              | s -          |   | š -                                     |
|                | 4.1.7 Site Civil Engineering 4.1.8 Landscape Architecture |   | <del>                                     </del> |          | <del></del>              | <b></b>  |                | 0              | \$ -         |   | \$ -                                    |
| ļ              | 4.1.9 Electrical Engineering                              | 6                                       | 10   | 14       | 40                       |  | 1              | 71             | \$ 6,554.03  |   | \$ 6,554.03                             |
|                | 4.1.10 Plumbing Engineering                               | 8                                       | 12   | 16       | 40                       | <del> </del>                                     | 1              | 77             | \$ 7,350.03  |   | \$ 7,350.03                             |
|                | 4.1.10 Flambing Engineering 4.1.11 HVAC Engineering       | 8                                       | 12   | 24       | 40                       | <b>!</b>   | 1              | 85             | \$ 7,998.03  |   | \$ 7,998.03                             |
|                | 4.1.12 Structural Engineering                             |   |  |          | <u> </u>                 | <b></b>  | <b></b>        | 0              | \$ -         | *************************************** | \$ -                                    |
|                | 4.1.13 Architectural                                      |   |  |          |                          |  |                | 0              | š -          |   | \$ -                                    |
|                | Subtask 4.1- Total  | 22                                      | 34   | 54       | 120                      | 0  | 3              | 233            | \$ 21,902.09 | Ġ -                                     | \$ 21,902,09                            |
|                | Subtask 4.2 - 90% Pipeline Design Submittal               |   |  |          |                          |  |                |                | ,,           |   | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
|                | 4,2.1 90% Pipeline Plans                                  |   |  |          |                          |  |                | 0              | \$ -         |   | Ś -                                     |
|                | 4.2.2 90% Specifications                                  |   |  |          |                          |  |                | 0              | š -          |   | \$ -                                    |
|                | 4.2.3 90% Opinion of Probable Cost                        |   |  |          |                          |  |                | 0              | \$ -         |   | \$ -                                    |
|                | Subtask 4,2- Total  | 0                                       | 0  | 0        | 0                        | 0  | 0              | 0              | \$ -         | \$ -                                    | \$ -                                    |
|                | Subtask 4.3 - 90% Pump Station Design Submittal           |   |  |          |                          | i .  |                |                |              |   |   |
|                | 4.3.1 Design, BIM, and Quality Management                 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |  |          |                          |  |                | 0              | \$ -         |   | \$ -                                    |
|                | 4.3.2 General Sheets                                      |   |  |          |                          |  |                | 0              | \$ -         |   | \$ -                                    |
|                | 4.3.3 Proc-Mech Design                                    |   |  |          |                          |  |                | 0              | \$ -         |   | \$ -                                    |
|                | 4.3.4 OPCC and Construction Schedule                      |   |  |          |                          |  |                | 0              | \$ -         |   | \$ -                                    |
|                | 4,3.5 Quality Review                                      |   |  |          |                          |  |                | 0              | \$ -         |   | \$ -                                    |
|                | 4.3.6 Workshop  |   |  |          |                          |  |                | 0              | \$ -         |   | \$ -                                    |
|                | 4.3.7 Site Civil Engineering                              | •                                       |  |          |                          |  |                | 0              | \$ -         |   | \$ -                                    |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: C & W Engineering, Inc.

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

|                |   |                       |                  |          |   |          |                |                | S            | UB TOTALS      |                             |
|----------------|---|-----------------------|------------------|----------|---|----------|----------------|----------------|--------------|----------------|-----------------------------|
| Task<br>Number | Task Description  | Principal<br>Engineer | Project Engineer | Engineer | Senior Cadd/<br>Designer                | САФ ТЕСН | Administration | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and<br>Expenses |
|                |   |                       |                  |          |   |          |                |                |              |                |                             |
|                | Raw Rate >  |                       |                  | \$ 36.00 |   |          |                |                |              |                |                             |
|                | Multiplier >  | 2.25                  | 2.25             | 2.25     | 2.25                                    | 2.25     | 2.25           |                |              |                |                             |
|                | Bill Rate >   | \$ 171.00             | \$ 146.00        | \$ 81.00 | \$ 72.00                                | \$ 63,00 | \$ 54.00       | <u> </u>       | <del></del>  |                |                             |
|                | 4.3.8 Landscape Architecture  |                       | 4.0              | 40       |   |          |                | 0 70           | \$ -         |                | \$ -                        |
|                | 4.3.9 Electrical Engineering  | 6                     | 10               | 18       | 37                                      | <b></b>  | 11             | 72             | \$ 6,662.03  |                | \$ 6,662.03                 |
|                | 4.3.10 Plumbing Engineering   | 88                    | 12               | 30<br>36 | 40<br>40                                |          | 1              | 91<br>97       | \$ 8,484.03  |                | \$ 8,484.03                 |
|                | 4.3.11 HVAC Engineering   | 8                     | 12               | 36       | 40                                      |          | 1              | 97             | \$ 8,970.03  |                | \$ 8,970.03                 |
|                | 4.3.12 Structural Engineering                                       |                       |                  |          |   |          |                | -              | \$ -         |                | \$ -                        |
|                | 4.3.13 Architectural  |                       | 34               | 84       | 117                                     | 0        | 3              | 260            | \$ 24,116.09 | \$ -           | , T                         |
|                | Subtask 4,3- Total  | 22                    | 34               | 84       | 11/                                     | U U      | 3              | 260            | \$ 24,116.09 | \$ -           | \$ 24,116.09                |
|                | Subtask 4.4 - 100% Pipeline Design Submittal                        |                       |                  |          |   |          |                |                | š -          |                | ۹ .                         |
|                | 4.4.1 100% Pipeline Plans   |                       |                  |          |   |          |                | 0              | \$ -<br>\$ - |                | \$ -                        |
|                | 4.4.2 100% Specifications   |                       |                  |          |   |          |                | 0              |              |                | <del></del>                 |
|                | 4.4.3 100% Opinion of Probable Cost Subtask 4.4- Total              | 0                     | 0                | 0        | 0                                       | 0        | 0              | 0              | \$ -         | \$ -           | \$                          |
|                | Subtask 4.5 - 100% Pump Station Design Submittal                    | <u> </u>              | •                | <u>U</u> | ·                                       | <u></u>  | <b></b>        | <u>-</u>       |              | , <u>-</u>     | ,                           |
|                | 4.5.1 Design, BIM, and Quality Management                           |                       |                  |          |   |          |                | 0              | \$ -         |                | \$ -                        |
|                | 4.5.1 Design, Shin, and Quality Management 4.5.2 General Sheets     |                       |                  |          | *************************************** |          |                | ~              | <u> </u>     |                | \$ -                        |
|                | 4.5.3 Proc-Mech Design  | ····                  |                  |          |   |          |                | 0              | \$ -         |                | \$ -                        |
|                | 4.5.4 OPCC and Construction Schedule                                |                       |                  |          |   |          |                | 0              | \$ -         |                | ş -                         |
|                | 4.5.7 Site Civil Engineering  |                       |                  |          |   |          |                | 0              | s -          |                | \$ -                        |
|                | 4.5.8 Landscape Architecture  |                       |                  |          |   |          |                | 0              | s -          |                | \$ -                        |
|                | 4.5.9 Electrical Engineering  | 4                     | 3                | 9.5      | 24                                      |          | 1              | 41.5           | \$ 3,673,51  | <b>—</b>       | \$ 3,673.51                 |
|                |   | 6                     | 4                | 15       | 24                                      | 0        | 1              | 50             | \$ 4,607.01  |                | \$ 4,607.01                 |
|                | 4.5.10 Plumbing Engineering 4.5.11 HVAC Engineering                 | 6                     | 4                | 20       | 24                                      |          | 1              | 55             | \$ 5,012.01  |                | \$ 5,012.01                 |
|                | 4.5.12 Structural Engineering                                       | <u> </u>              | 4                | 20       | 2.4                                     |          |                | 0              | \$ 5,012.01  |                | \$ 3,012.01                 |
|                | 4.5.13 Architectural  |                       |                  |          |   |          |                | 0              | \$ -         |                | \$ -                        |
|                | 4.5.13 Arcimecturui Subtask 4.5- Total                              | 16                    | 11               | 44.5     | 72                                      | 0        | 3              | 146.5          | \$ 13,292.53 | \$ -           | \$ 13,292.53                |
|                | Justan 4.5- Total   |                       |                  | 44.5     | 74                                      | ,        |                | 370.5          | 7 13,632.03  | 7              | 7 13,232,33                 |
|                | Task 4 - Subtotal   | 60                    | 79               | 182.5    | 309                                     | 0        | 9              | 639.5          | \$ 59,310,70 | s -            | \$ 59,310,70                |
|                | TOUR T WARRENIN   |                       | ,,,              | 202.5    |   |          |                |                |              | 7              | 7 30,020,70                 |
| TASK 5         | Pipeline Permitting Services  |                       |                  |          |   |          |                |                |              |                |                             |
|                | Subtask 5.1 - Permitting for Roadway Impacts (PBC Land Development) |                       |                  |          |   |          |                |                |              |                |                             |
|                | 5.1.1 Pre-Application Meeting                                       |                       |                  |          |   |          |                | 0              | s -          |                | \$ -                        |
|                | 5.1.2 Prepare and Submit Application Data                           |                       |                  |          |   |          |                | 0              | \$           |                | \$ -                        |
|                | 5.1.3 Revise and Resubmit Application Documents                     |                       |                  |          |   |          |                | 0              | š -          |                | Š -                         |
|                | Subtask 5.1- Total  | 0                     | 0                | 0        | 0                                       | 0        | 0              | ō              | ś -          | \$ -           | \$ -                        |
|                | Subtask 5.2 - Permitting for Roadway Impacts (FDOT)                 |                       |                  |          | _                                       |          |                |                |              | *              | - <del></del>               |
|                | 5.2.1 Pre-Application Meeting                                       |                       |                  |          |   | ·······  | <del> </del>   | 0              | Š -          | <del></del>    | \$ ~                        |

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Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>C & W Engineering, Inc.</u> Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|   |  |                       |                                       |   |                          |   |   | T              | S                   | UB TOTALS      |  |
|---|--|-----------------------|---------------------------------------|---|--------------------------|---|---|----------------|---------------------|----------------|--|
| Task<br>Number                          | Task Description   | Principal<br>Engineer | Project Engineer                      | Engineer                                | Senior Cadd/<br>Designer | CAD TECH                                | Administration                          | Total<br>Hours | Total Labor         | Total Expenses | Total Labor an<br>Expenses                       |
|   | Raw Rate >   | \$ 76.00              | \$ 64.89                              | \$ 36,00                                | \$ 32.00                 | £ 20.00                                 | A 24.00                                 |                |                     |                |  |
|   | Multiplier >   | 2.25                  | 2.25                                  | 2,25                                    | \$ 32.00<br>2.25         | \$ 28.00<br>2.25                        | \$ 24.00<br>2.25                        |                |                     |                |  |
|   | Bill Rate >  |                       |                                       |   |                          |   |   |                |                     |                |  |
|   | 5.2.2 Prepare and Submit Application Data and Plans                | 7 171.00              | φ 140.00                              | 9 81.00                                 | 72.00                    | \$ 65.00                                | 3 54.00                                 | 0              | \$ -                |                |  |
|   | 5.2.3 Revise and Resubmit Application Documents                    |                       |                                       |   |                          |   |   | 0              | \$ -<br>\$ -        |                | \$ -   |
| *************************************** | Subtask 5.2- Total   | 0                     | 0                                     | 0                                       | 0                        | 0                                       | 0                                       | 0              | \$ -                | \$ -           | <del>                                     </del> |
|   | Subtask 5.3 - Permitting with Lake Worth Drainage District         |                       | _                                     |   |                          |   | <u> </u>                                | <u> </u>       | -                   |                | \$ -   |
|   | 5.3.1 Pre-Application Meeting                                      |                       |                                       |   |                          |   |   | 0              | \$ -                |                | \$ -   |
|   | 5.3.2 Prepare and Submit Application Data                          |                       |                                       |   |                          |   |   | 0              | \$ -                | <b>!</b>       | \$ -   |
|   | 5.3.3 Revise and Resubmit Application Documents                    |                       |                                       |   |                          | *****                                   |   | 0              | \$ -                |                | \$ -   |
|   | Subtask 5.3- Total   | 0                     | 0                                     | 0                                       | 0                        | 0                                       | 0                                       | 0              | \$ -                | \$ -           | s -  |
|   | Subtask 5.4 - Pump Station Permitting Services                     |                       |                                       |   |                          |   |   |                |                     | <del>-</del>   | 7  |
|   | 5.4.1 PBC Site Plan Approval                                       | 4                     | 6                                     |   | 6                        |   |   | 16             | \$ 1,992.02         |                | \$ 1,992.02                                      |
|   | 5.4.2 SFWMD Environmental Resources Permitting                     |                       |                                       |   |                          | *****                                   |   | 0              | \$ -                |                | \$ -   |
|   | 5.4.3 PBC Land Development Drainage Review                         |                       |                                       | ****                                    |                          |   | *************************************** | 0              | <u>\$</u> -         |                | \$ -   |
|   | 5.4.4 PBC Building Department Review                               |                       | 2                                     |   | 2                        | ****                                    |   | 4              | \$ 436.01           |                | \$ 436.01  |
|   | Subtask 5.4- Total   | 4                     | 8                                     | 0                                       | 8                        | 0                                       | 0                                       | 20             | \$ 2,428.02         | \$ -           | \$ 2,428.02                                      |
|   | Task 5 - Subtotal  | 4                     | 8                                     | 0                                       |                          | _                                       |   |                |                     |                |  |
|   | Tusk 3 - Subtotal  |                       |                                       |   | 8                        | 0                                       | 0                                       | 20             | \$ 2,428.02         | 5 -            | \$ 2,428.02                                      |
| TASK 6                                  | Bidding Support  | ··-                   |                                       |   |                          |   |   |                |                     |                |  |
|   | 6.1 Review the Bid Advertisement                                   |                       | ******                                | *************************************** |                          | <del></del>                             |   | 0              | \$ - :              |                |  |
|   | 6.2 Attend Pre-Bid Meeting   | 3.5                   | 4                                     | 3.5                                     |                          | 2                                       | <del>-</del>                            | ****           | \$ 1,592.01         |                | \$ -   |
|   | 6.3 Updated OPCC and Schedule                                      |                       | · · · · · · · · · · · · · · · · · · · |   |                          |   |   |                | \$ 1,392.01<br>\$ - |                | \$ 1,592.01                                      |
|   | 6.4 Respond to Requests for Additional Information                 |                       | 2                                     | 4                                       | 4                        |   |   |                | \$ 904.01           |                | \$ -   |
| 1                                       | 6.5 Review and Compile Bid Results                                 |                       | <del>-  </del>                        |   |                          |   |   | ****           | \$ 904.01           |                |  |
|   | 6.6 Perform Sensitivity Analysis on Line Item Pricing from Bidders |                       |                                       |   |                          |   |   |                | <del>-</del> -      |                |  |
| . 1                                     | 6.7 Provide Recommendation of Award Letter                         | **                    |                                       |   |                          | ~~~                                     |   |                | \$ -                |                |  |
|   | 6.8 Preparation of Conformed Documents                             |                       | ľ                                     |   | 8                        | *************************************** |   |                | \$ 576.00           |                | \$ -<br>\$ 576.00                                |
|   | Task 6 - Subtotal  | 3.5                   | 6                                     | 7,5                                     | 12                       | 2                                       | 0                                       | 31             | \$ 3,072,02         |                | \$ 3,072,02                                      |
|   |  |                       |                                       |   |                          | ·                                       |   |                | 7 3,072,02 I        | <del>"</del>   | \$ 3,072.02                                      |
| TASK 7                                  | Outfall Design and Permitting                                      |                       |                                       |   |                          |   | <del></del>                             |                |                     |                |  |
|   | 7.1 Outfall Topographic Survey                                     |                       | **-                                   |   |                          |   |   | 0              | s -                 |                | \$ -   |
|   | 7.2 Outfall Design Improvements                                    |                       |                                       |   |                          |   |   |                | 5 -                 |                | <del>3</del> -                                   |
|   | 7.3 Outfall Improvements Permitting                                |                       |                                       |   |                          |   |   |                | š -                 |                | \$ -   |
|   | 7.4 Maintenance of Traffic   |                       |                                       |   |                          |   | *                                       |                | š -                 |                | \$ -   |
|   | 7.5 Instrumentation  |                       |                                       |   |                          |   |   |                | š -                 |                | <u> </u>   |
|   | Task 7 - Subtotal  | 0                     | 0                                     | 0                                       | 0                        | 0                                       | 0                                       |                |                     |                | š -  |
|   |  |                       | Ī                                     |   |                          |   |   |                |                     |                | т  |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>C & W Engineering, Inc.</u> Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|                |   |    |                       |          |                  | <br>            |    |                          |          |          |          |                |                |               |                |          |                           |
|----------------|---|----|-----------------------|----------|------------------|-----------------|----|--------------------------|----------|----------|----------|----------------|----------------|---------------|----------------|----------|---------------------------|
|                |   | L  |                       |          |                  |                 |    |                          |          |          |          |                |                | Sl            | JB TOTALS      |          |                           |
| Task<br>Number | Task Description                                  |    | Principal<br>Engineer |          | Project Engineer | Engineer        |    | Senior Cadd/<br>Designer |          | САР ТЕСН |          | Administration | Total<br>Hours | Total Labor   | Total Expenses |          | tal Labor and<br>Expenses |
|                |   |    |                       |          |                  |                 | L  |                          | L.       |          | <u> </u> |                |                |               |                | <u> </u> |                           |
|                | Raw Rate >  | \$ | 76.00                 | \$       | 64.89            | \$<br>36.00     | \$ | 32.00                    | \$       | 28.00    | \$       | 24.00          |                |               |                |          |                           |
|                | Multiplier >                                      |    | 2.25                  |          | 2,25             | 2.25            |    | 2.25                     |          | 2.25     | Ĺ        | 2.25           |                |               |                |          |                           |
|                | Bill Rate >                                       | \$ | 171.00                | \$       | 146.00           | \$<br>81.00     | \$ | 72,00                    | \$       | 63.00    | \$       | 54.00          |                |               |                |          |                           |
|                | Sum of Task 1-7                                   |    |                       | _        |                  |                 |    |                          |          |          |          |                |                | \$ 106,347.94 | \$0.00         | \$       | 106,347.94                |
|                | Labor Subtotal Hours                              |    | 142,5                 | $\vdash$ | 175              | <br>320         |    | 410                      | ┢        | 2        | ┝        | 16             | 1065,5         | 1065,5        |                |          |                           |
|                | Labor Raw Costs                                   | \$ | 76.00                 | \$       | 64.89            | \$<br>36.00     | \$ | 32.00                    | \$       | 28.00    | \$       | 24.00          |                |               |                | Γ        |                           |
|                | Labor Subtotal (Bill Rate * Labor Subtotal Hours) | \$ | 24,367.50             | \$       | 25,550.44        | \$<br>25,920.00 | \$ | 29,520.00                | \$       | 126.00   | \$       | 864.00         |                | \$ 106,347.94 |                |          |                           |
|                | PROJECT TOTAL                                     |    |                       | ├-       |                  |                 | ┝  |                          | $\vdash$ |          |          |                | 1065.5         | \$ 106,347.94 | \$0.00         | \$       | 106,347.94                |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated
Consultant Services Authorization No.: 1
Consultant: HBC Engineering Company

Consultant: <u>HBC Engineering Company</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|                |  |                       |                               |     |                     |  |                                |                |    |             | CHUTOTALC      |   |
|----------------|--|-----------------------|-------------------------------|-----|---------------------|--|--------------------------------|----------------|----|-------------|----------------|---|
|                |  |                       | 1                             |     |                     | 1  | ю                              |                | ·  |             | SUB TOTALS     |   |
| Task<br>Number | Task Description   | Principal<br>Engineer | Sr. Water<br>Resources Eng. 1 |     | Sr. Site/Civil Eng. |  | Water Resources<br>Eng. Intern | Total<br>Hours |    | Total Labor | Total Expenses | Total Labor and Expense                 |
|                |  |                       |                               |     |                     |  |                                |                |    |             |                |   |
|                | Raw Rate >   |                       |                               | .00 |                     | \$   | 36,06                          |                |    |             |                |   |
|                | Multiplier >   | 3                     | 3                             |     | 3                   |  | 3                              |                |    |             |                |   |
|                | Bill Rate >  | \$ 254.85             | \$ 246                        | .00 | \$ 194.70           | \$   | 108.18                         |                |    |             |                |   |
| TASK 1         | Project Management and Coordination  |                       |                               |     |                     | -  |                                |                |    |             |                |   |
|                | 1,1 Kickoff Meeting  |                       |                               |     |                     | $\vdash$   |                                | 0              | \$ | -           |                | \$ -                                    |
|                | 1.2 Coordination and General Correspondence  |                       |                               |     |                     | <del>                                     </del> |                                | 0              | Ś  | _           |                | \$ -                                    |
|                | 1.3 Progress Meetings  |                       |                               |     |                     | <b>†</b>   |                                | 0              | \$ | -           |                | \$ -                                    |
|                | Task 1 - Subtotal  | 0                     | 0                             |     | 0                   |  | 0                              | 0              | \$ | -           | \$0.00         | 7                                       |
|                |  |                       |                               |     |                     |  |                                |                |    |             |                | ,                                       |
| TASK 2         | Field Services   |                       |                               |     |                     |  |                                |                |    |             |                | *************************************** |
|                | Subtask 2.1 - Records Review, Site Investigation and Photo Study                   |                       |                               |     |                     |  |                                |                |    |             |                |   |
|                | 2.1.1 Review of record drawings and previous studies                               |                       |                               |     |                     |  |                                | 0              | \$ | -           |                | \$ -                                    |
|                | 2.1.2 Review of plans prepared by others adjacent to the project area (GL Homes)   |                       |                               |     |                     |  |                                | 0              | \$ | -           |                | \$ -                                    |
|                | 2.1.3 Site visit   |                       |                               |     |                     |  |                                | 0              | \$ | -           |                | \$ -                                    |
|                | 2.1.4 Prepare Technical Memo of Field Observations                                 |                       |                               |     |                     |  |                                | 0              | \$ | -           |                | \$ -                                    |
|                | Task 2.1- Total  | 0                     | 0                             |     | 0                   |  | 0                              | 0              | \$ | -           | \$ -           | \$ -                                    |
|                | Subtask 2,2 - Subsurface Utility Engineering (SUE)                                 |                       |                               |     |                     |  |                                |                |    |             |                |   |
|                | Palm Beach County and Florida Department of Transportation Right-of-Way Permitting |                       |                               |     |                     |  |                                | 0              | \$ | -           |                | \$ -                                    |
|                | 2.2.2 Level A - Potnoies for Verification of Utility Locations                     |                       |                               |     |                     |  |                                | 0              | \$ | -           |                | \$ -                                    |
|                | 2.2.3 Level B - Scan and Sweep / Targeting   |                       |                               |     |                     |  |                                | 0              | \$ | -           |                | \$ -                                    |
|                | 2.2.4 Level C - Design Tickets and Records Research                                |                       |                               |     |                     |  |                                | 0              | \$ | -           |                | \$ -                                    |
|                | 2.2.5 Maintenance of Traffic   |                       |                               |     |                     |  |                                | 0              | \$ | -           |                | \$ -                                    |
|                | Task 2.2- Total  | 0                     | 0                             |     | 0                   |  | 0                              | 0              | \$ | -           | \$ -           | \$ -                                    |
|                | Subtask 2.3 - Geotechnical Investigation   |                       |                               |     |                     |  |                                |                |    |             |                |   |
|                | 2.3.1 Palm Beach County and FDOT Right-of-Way Permitting                           |                       |                               |     |                     |  |                                | 0              | \$ | -           |                | \$ -                                    |
|                | 2.3.2 Soil Borings and Geotechnical Testing  |                       |                               |     |                     |  |                                | 0              | \$ | - 1         |                | \$ -                                    |
|                | Task 2.3- Total  | 0                     | 0                             |     | 0                   |  | 0                              | 0              | \$ | -           | \$ -           | \$ -                                    |
|                | Subtask 2.4 - Survey   |                       |                               |     |                     |  |                                |                |    |             |                |   |
|                | 2.4.1 Route Survey   |                       |                               |     |                     |  |                                | 0              | \$ | -           |                | Ś -                                     |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>HBC Engineering Company</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|                |   |                       |                               |                     |                                | 1              |                                       | 01/0 27774.0   |   |
|----------------|---|-----------------------|-------------------------------|---------------------|--------------------------------|----------------|---------------------------------------|----------------|---|
|                |   |                       | 7                             | T                   |                                |                | · · · · · · · · · · · · · · · · · · · | SUB TOTALS     | · · · · · · · · · · · · · · · · · · ·   |
| Task<br>Number | Task Description  | Principal<br>Engineer | Sr. Water<br>Resources Eng. I | Sr. Site/Civil Eng. | Water Resources<br>Eng. Intern | Total<br>Hours | Total Labor                           | Total Expenses | Total Labor and Expense                 |
|                |   |                       |                               |                     |                                |                |                                       |                |   |
|                | Raw Rate >  |                       | \$ 82.00                      |                     | \$ 36.06                       |                |                                       |                |   |
|                | Multiplier >  | 3                     | 3                             | 3                   | 3                              | <u></u>        |                                       |                |   |
|                | Bill Rate >   | \$ 254.85             | \$ 246.00                     | \$ 194,70           | \$ 108.18                      |                |                                       |                |   |
|                | 2.4.2 Tapographic Survey  |                       |                               |                     |                                | 0              | \$ -                                  |                | \$ -                                    |
|                | 2.4.3 Pump Station Site Boundary and Topographic Survey                                 |                       |                               |                     |                                | 0              |                                       |                | \$ -                                    |
|                | 2.4.4 Preparation of Sketch and Legal Descriptions for easements as needed              |                       |                               |                     |                                | 0              | \$ -                                  |                | \$ -                                    |
|                | 2.4.5 Maintenance of Traffic  |                       |                               |                     |                                | 0              | \$ -                                  |                | \$ -                                    |
|                | Task 2.4- Total   | 0                     | 0                             | 0                   | 0                              | 0              | \$ -                                  | \$ -           | \$ -                                    |
|                |   |                       |                               |                     |                                |                |                                       |                |   |
|                | Task 2 - Subtotal   | 0                     | 0                             | 0                   | 0                              | 0              | \$ -                                  | \$ -           | \$ -                                    |
|                |   |                       |                               |                     |                                |                |                                       |                | *************************************** |
| TASK 3         | Preliminary Design  |                       |                               |                     |                                |                |                                       |                | *************************************** |
|                | Subtask 3.1 - Outfall Operational Review  |                       |                               |                     |                                |                |                                       |                |   |
|                | 3.1.1 Site visit to each location, with PBCWUD  | •                     |                               |                     |                                | 0              | \$ -                                  |                | \$ -                                    |
|                | 3.1.2 Review permit conditions for each outfall   |                       |                               |                     |                                | 0              | \$ -                                  |                | \$ -                                    |
|                | 3.1.3 Review available records to determine the infrastructure in place to each outfall |                       |                               |                     |                                | 0              | \$ -                                  |                | \$ -                                    |
|                | 3.1.4 Prepare Technical Memorandum  |                       |                               |                     |                                | 0              | \$ -                                  |                | \$ -                                    |
|                | Subtask 3.1- Total  | 0                     | 0                             | 0                   | 0                              | 0              | \$ -                                  | \$ -           | \$ -                                    |
|                | Subtask 3.2 - Pump Station Basis of Design Report and 10% Design                        |                       |                               |                     |                                |                |                                       | <u> </u>       |   |
|                | 3.2.1 Basis of Design Report (BODR) Conceptual 10% Design                               |                       | 1                             | 2                   | 4                              | 8              | \$ 1,068.12                           |                | \$ 1,068,12                             |
|                | 3.2.2 Design, BIM, Quality Management, OPCC, Schedule                                   |                       | 1                             | 2                   | 4                              | 8              | \$ 1,068.12                           |                | \$ 1,068.12                             |
|                | 3.2.3 Proc-Mech BODR  |                       |                               |                     |                                | 0              | \$ -                                  |                | \$ -                                    |
|                | 3.2.4 Surge Analysis  |                       |                               |                     |                                | 0              | \$ -                                  |                | \$ -                                    |
|                | 3.2.5 Quality Review  |                       |                               |                     |                                | 0              | \$ -                                  |                | \$ -                                    |
|                | 3.2.6 Workshop  |                       |                               |                     |                                | 0              | \$ -                                  |                | \$ -                                    |
|                | Subtask 3.2- Total  | 0                     | 2                             | 4                   | 8                              | 16             | \$ 2,136.24                           | \$ -           | \$ 2,136.24                             |
|                | Subtask 3.3 - 30% Pipeline Design Plan Preparation                                      |                       |                               |                     |                                |                |                                       |                |   |
|                | 3.3.1 30% Pipeline Plans  |                       |                               |                     |                                | 0              | \$ -                                  |                | \$ -                                    |
|                | Subtask 3.3- Total  | 0                     | 0                             | 0                   | 0                              | 0              | \$ -                                  | \$ -           | \$ -                                    |
|                | Subtask 3.4 - 30% Pump Station Design Plan Preparation                                  |                       |                               |                     |                                |                |                                       |                |   |
|                | 3.4.1 Basis of Design Report (BODR) Conceptual 30% Design                               |                       | 2                             | 4                   | 8                              | 14             | \$ 2,136.24                           |                | \$ 2,136.24                             |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated
Consultant Services Authorization No.: 1

Consultant: <u>HBC Engineering Company</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|                |   |                       |                       |                               |                     |                 | ,              |              |                |                                       |
|----------------|---|-----------------------|-----------------------|-------------------------------|---------------------|-----------------|----------------|--------------|----------------|---------------------------------------|
|                |   |                       |                       | Ţ                             | ·                   |                 |                |              | SUB TOTALS     | · · · · · · · · · · · · · · · · · · · |
| Task<br>Number | Task Description                                |                       | Principal<br>Engineer | Sr. Water<br>Resources Eng. I | Sr. Site/Civil Eng. | Water Resources | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Expens                |
|                |   |                       |                       |                               |                     |                 |                |              |                |                                       |
|                |   | Raw Rate >            | \$ 84.95              | \$ 82.00                      | \$ 64.90            | \$ 36.06        |                |              |                |                                       |
|                |   | Multiplier >          | 3                     | 3                             | 3                   | 3               |                |              |                |                                       |
|                |   | Bill Rate >           | \$ 254.85             | \$ 246.00                     | \$ 194.70           | \$ 108.18       |                |              |                |                                       |
|                | 3.4.2 Design, BIM, and Quality Management       |                       |                       | 1                             | 2                   | 4               | 7              | \$ 1,068.12  |                | \$ 1,068.1                            |
|                | 3.4.3 General Sheets                            |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 3.4.4 Proc-Mech Design                          |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 3.4.5 OPCC and Construction Schedule            |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ ~                                  |
|                | 3.4.6 Quality Review                            |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 3.4.7 Workshop                                  |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 3.4.8 Site Civil Engineering                    |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 3.4.9 Landscape Architecture                    |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 3.4.10 Electrical Engineering                   |                       |                       |                               |                     |                 |                | \$ -         |                | \$ -                                  |
|                | 3.4.11 Plumbing Engineering                     |                       |                       |                               |                     |                 |                | \$ -         |                | \$ -                                  |
|                | 3.4.12 HVAC Engineering                         |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 3.4.13 Structural Engineering                   |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 3.4.14 Architectural                            |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                |   | Subtask 3.4- Total    | 0                     | 3                             | 6                   | 12              | 21             | \$ 3,204.36  | \$ -           | \$ 3,204.3                            |
|                |   | Task 3 - Subtotal     | 0                     | 5                             | 10                  | 20              | 37             | \$ 5,340.60  | \$ -           | \$ 5,340.6                            |
| TASK 4         | Detailed Design                                 | erne Marine I. erne i |                       |                               |                     |                 |                |              |                |                                       |
|                | Subtask 4.1 - 60% Pump Station Design Submittal |                       |                       |                               |                     |                 |                |              |                |                                       |
|                | 4.1.1 Design, BIM, and Quality Management       |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 4.1.2 General Sheets                            |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 4.1.3 Proc-Mech Design                          |                       |                       |                               |                     | 1               | 0              | \$ -         |                | \$ -                                  |
|                | 4.1.4 OPCC and Construction Schedule            |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 4.1.5 Quality Review                            |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 4,1,6 Workshop                                  |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 4.1.7 Site Civil Engineering                    |                       | 5                     | 4                             | 24                  | 160             | 193            | \$ 24,239.85 |                | \$ 24,239.8                           |
|                | 4.1.8 Landscape Architecture                    |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 4.1.9 Electrical Engineering                    |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 4.1.10 Plumbing Engineering                     |                       |                       |                               |                     |                 | 0              | \$ -         |                | \$ -                                  |
|                | 4.1.11 HVAC Engineering                         |                       |                       |                               |                     | 1               | 0              | \$ -         |                | <u> </u>                              |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated Consultant Services Authorization No.: 1 Consultant: <u>HBC Engineering Company</u>

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

| AN-114         |  |                    |                       | _  |                     |                                |                |                  | SUB TOTALS     |                         |
|----------------|--|--------------------|-----------------------|--|---------------------|--------------------------------|----------------|------------------|----------------|-------------------------|
| Task<br>Number | Task Description                                 |                    | Principal<br>Engineer | Sr. Water<br>Resources Eng. I                    | Sr. Site/Civil Eng. | Water Resources<br>Eng. Intern | Total<br>Hours | Total Labor<br>` | Total Expenses | Total Labor and Expense |
|                |  |                    | ,                     |  |                     |                                |                |                  |                |                         |
|                |  | Raw Rate >         |                       | + '  | +'                  |                                |                |                  |                |                         |
|                |  | Multiplier >       | 3                     | 3  | 3                   | 3                              |                |                  | <u></u>        |                         |
|                |  | Bill Rate >        | \$ 254.85             | \$ 246.00  | \$ 194.70           | \$ 108.18                      |                | _                |                |                         |
|                | 4.1.12 Structural Engineering                    |                    |                       |  |                     |                                | 0              | \$ -             |                | \$ -                    |
|                | 4.1.13 Architectural                             |                    |                       |  |                     |                                | 0,5            | \$ -             |                | \$ -                    |
|                |  | Subtask 4.1- Total | 5                     | 4  | 24                  | 160                            | 193.5          | \$ 24,239.85     | <b>S</b> -     | \$ 24,239.85            |
|                | Subtask 4.2 - 90% Pipeline Design Submittal      |                    |                       |  |                     |                                |                | 4                |                |                         |
|                | 4.2.1 90% Pipeline Plans                         |                    |                       |  |                     |                                | 0              | \$ -             |                | \$ -                    |
|                | 4.2.2 90% Specifications                         |                    |                       |  |                     |                                | 0              | \$ -             |                | \$ -                    |
| .,             | 4.2.3 90% Opinion of Probable Cost               |                    |                       |  |                     |                                | 0              | \$ -             |                | \$ -                    |
|                |  | Subtask 4.2- Total | 0                     | 0  | 0                   | 0                              | 0              | \$ -             | \$ -           | \$ -                    |
|                | Subtask 4.3 - 90% Pump Station Design Submittal  |                    |                       | <del></del>                                      |                     |                                |                |                  |                |                         |
|                | 4.3.1 Design, BIM, and Quality Management        |                    |                       | <b></b>  |                     |                                | 0              | \$ -             |                | \$ -                    |
|                | 4.3.2 General Sheets                             |                    |                       |  |                     |                                | 0              | \$ -             | ļ              | \$ -                    |
|                | 4.3.3 Proc-Mech Design                           |                    |                       |  |                     |                                | 0              | \$ -             |                | \$ -                    |
|                | 4.3.4 OPCC and Construction Schedule             |                    |                       |  |                     |                                | 0              | \$ -             |                | \$ -                    |
|                | 4.3.5 Quality Review                             |                    |                       | <del> </del>                                     |                     |                                | 0              | \$ -             |                | \$ -                    |
|                | 4.3.6 Workshop                                   |                    |                       |  |                     | 4.55                           | 0              | \$ -             |                | \$ -                    |
|                | 4.3.7 Site Civil Engineering                     |                    | 2                     | 4  | 24                  | 160                            | 190            | \$ 23,475.30     |                | \$ 23,475.30            |
|                | 4.3.8 Landscape Architecture                     |                    |                       | 1  |                     |                                | 0              | \$ -             |                | \$ -                    |
|                | 4.3.9 Electrical Engineering                     |                    |                       |  |                     |                                | 0              | \$ -             |                | \$ -                    |
|                | 4.3.10 Plumbing Engineering                      |                    |                       |  |                     |                                | 0              | \$ -             |                | \$ -                    |
|                | 4.3.11 HVAC Engineering                          |                    |                       |  |                     |                                | 0              | \$ -             |                | \$ -                    |
|                | 4.3.12 Structural Engineering                    |                    |                       |  |                     |                                | 0              | \$ -             |                | \$ -                    |
|                | 4.3.13 Architectural                             | C-L-1-1-1-7-7-1-1  |                       |  | 24                  | 450                            | 0              | \$ -             |                | \$ -                    |
|                | Cutanal & & Apply Disables Design Full State     | Subtask 4.3- Total | 2                     | 4  | 24                  | 160                            | 190            | \$ 23,475.30     | > -            | \$ 23,475.30            |
|                | Subtask 4.4 - 100% Pipeline Design Submittal     |                    |                       | <del> </del>                                     |                     |                                |                | ć                |                | <u> </u>                |
|                | 4.4.1 100% Pipeline Plans                        |                    |                       | -  |                     |                                | 0              | \$ -             |                | \$ -                    |
|                | 4.4.2 100% Specifications                        |                    |                       | <del>                                     </del> |                     |                                | 0              | 4                |                | \$ -                    |
|                | 4.4.3 100% Opinion of Probable Cost              | Subtask 4.4- Total |                       | <del> </del>                                     |                     |                                |                | · ·              |                | \$ -<br>\$ -            |
|                | Subtask 4.5 - 100% Pump Station Design Submittal | Subtask 4.4- 10tai | 0                     | 0  | 0                   | 0                              | 0              | \$ -             | \$ -           | \$ -                    |
|                | 4.5.1 Design, BIM, and Quality Management        |                    |                       |  |                     |                                | 0              | \$ -             |                | \$ -                    |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated
Consultant Services Authorization No.: 1
Consultant: HBC Engineering Company

Consultant: <u>HBC Engineering Company</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|                |  |                       |                               |                     |                                |                |              | SUB TOTALS     |                         |
|----------------|--|-----------------------|-------------------------------|---------------------|--------------------------------|----------------|--------------|----------------|-------------------------|
| Task<br>Number | Task Description   | Principal<br>Engineer | Sr. Water<br>Resources Eng. ! | Sr. Site/Civil Eng. | Water Resources<br>Eng. Intern | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Expense |
|                |  | 4                     |                               |                     |                                | ļ              |              |                |                         |
|                | Raw Rate >   |                       | •                             | •                   | <u> </u>                       |                |              | <b>_</b>       |                         |
|                | Multiplier >   | 3                     | 3                             | 3                   | 3                              |                |              |                |                         |
|                | Bill Rate >  | \$ 254.85             | \$ 246.00                     | \$ 194.70           | \$ 108.18                      |                | 4            | 1              |                         |
|                | 4.5.2 General Sheets                                       |                       |                               |                     |                                | 0              | \$ -         | ļ              | \$ -                    |
|                | 4.5,3 Proc-Mech Design                                     |                       |                               |                     |                                | . 0            | \$ -         | ļ              | \$ -                    |
|                | 4.5.4 OPCC and Construction Schedule                       | _                     |                               | _                   |                                | 0              | \$           | ļ              | \$ -                    |
|                | 4.5.7 Site Civil Engineering                               | 1 .                   | 2                             | 8                   | 24                             | 35             | \$ 4,900.77  | <u> </u>       | \$ 4,900.77             |
|                | 4.5.8 Landscape Architecture                               |                       |                               |                     | ļ                              | 0              | \$ -         |                | \$ -                    |
| ····           | 4.5.9 Electrical Engineering                               |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                    |
|                | 4.5.10 Plumbing Engineering                                |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                    |
|                | 4.5.11 HVAC Engineering                                    |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                    |
|                | 4.5.12 Structural Engineering                              |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                    |
|                | 4.5.13 Architectural                                       |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                    |
|                | Subtask 4.5- Total   | 1                     | 2                             | 8                   | 24                             | 35             | \$ 4,900.77  | <u> </u>       | \$ 4,900.77             |
|                | Task 4 - Subtotal  | 8                     | 10                            | 56                  | 344                            | 418.5          | \$ 52,615.92 | \$ -           | \$ 52,615.92            |
| TASK 5         | Pipeline Permitting Services                               |                       |                               |                     |                                |                |              |                |                         |
|                | Subtask 5.1 - Permitting for Roadway Impacts (PBC Land     |                       |                               |                     |                                |                |              |                |                         |
|                | 5.1.1 Pre-Application Meeting                              |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                    |
|                | 5.1.2 Prepare and Submit Application Data                  |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                    |
|                | 5.1.3 Revise and Resubmit Application Documents            |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                    |
|                | Subtask 5.1- Total   | 0                     | 0                             | 0                   | 0                              | 0              | \$ -         | \$ -           | \$ -                    |
|                | Subtask 5.2 - Permitting for Roadway Impacts (FDOT)        |                       |                               |                     |                                |                |              | <u> </u>       |                         |
|                | 5.2.1 Pre-Application Meeting                              |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                    |
|                | 5.2.2 Prepare and Submit Application Data and Plans        |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                    |
|                | 5.2.3 Revise and Resubmit Application Documents            |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                    |
|                | Subtask 5.2- Total   | 0                     | 0                             | 0                   | 0                              | 0              | \$ -         | \$ -           | \$ -                    |
|                | Subtask 5.3 - Permitting with Lake Worth Drainage District |                       |                               |                     |                                |                | MM           |                |                         |
|                | 5.3.1 Pre-Application Meeting                              |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                    |
|                | 5.3.2 Prepare and Submit Application Data                  |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                    |
|                | 5.3.3 Revise and Resubmit Application Documents            |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                    |
|                | Subtask 5.3- Total   | 0                     | 0                             | 0                   | 0                              | 0              | \$ -         | \$ -           | \$ -                    |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: HBC Engineering Company
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

|                |   | <del></del>           |                               |                     |                                | ·              |              |                |                          |
|----------------|---|-----------------------|-------------------------------|---------------------|--------------------------------|----------------|--------------|----------------|--------------------------|
|                |   |                       |                               | <del>,</del>        |                                |                |              | SUB TOTALS     |                          |
| Task<br>Number | Task Description  | Principal<br>Engineer | Sr. Water<br>Resources Eng. I | Sr. Site/Civil Eng. | Water Resources<br>Eng. Intern | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Expenses |
|                |   |                       |                               |                     |                                |                |              |                |                          |
|                | Raw Rate >  |                       |                               |                     |                                |                |              |                |                          |
|                | Multiplier >  | 3                     | 3                             | 3                   | 3                              |                |              |                |                          |
|                | Bill Rate >   | \$ 254.85             | \$ 246.00                     | \$ 194.70           | \$ 108.18                      |                |              |                |                          |
|                | Subtask 5.4 - Pump Station Permitting Services                        |                       |                               |                     |                                |                |              |                |                          |
|                | 5.4.1 PBC Site Plan Approval  |                       | 2                             | 8                   |                                | 10             | \$ 2,049.60  |                | \$ 2,049.60              |
|                | 5.4.2 SFWMD Environmental Resources Permitting                        | 1                     | 2                             | 16                  |                                | 19             | \$ 3,862.05  |                | \$ 3,862.05              |
|                | 5.4.3 PBC Land Development Drainage Review                            | 1                     | 2                             | 16                  |                                | 19             | \$ 3,862.05  |                | \$ 3,862.05              |
|                | 5.4.4 PBC Building Department Review                                  | 1                     | 2                             | 16                  |                                | 19             | \$ 3,862.05  |                | \$ 3,862.05              |
|                | Subtask 5.4- Total  | 3                     | 8                             | 56                  | 0                              | 67             | \$ 13,635.75 | \$ -           | \$ 13,635.75             |
|                |   | :                     |                               |                     |                                |                |              |                |                          |
|                | Task 5 - Subtotal   | 3                     | 8                             | 56                  | 0                              | 67             | \$ 13,635.75 | \$ -           | \$ 13,635.75             |
|                |   |                       |                               |                     |                                |                |              |                |                          |
| TASK 6         | Bidding Support   |                       |                               |                     |                                |                |              |                |                          |
|                | 6.1 Review the Bid Advertisement                                      |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                     |
|                | 6.2 Attend Pre-Bid Meeting  |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                     |
|                | 6.3 Updated OPCC and Schedule   |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                     |
|                | 6.4 Respond to Requests for Additional Information                    |                       | 2                             | 4                   |                                | 6              | \$ 1,270.80  |                | \$ 1,270.80              |
|                | 6.5 Review and Compile Bid Results                                    |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                     |
|                | 6.6 Perform Sensitivity Analysis on Line Item Pricing from<br>Bidders |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                     |
|                | 6.7 Provide Recommendation of Award Letter                            |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                     |
|                | 6.8 Preparation of Conformed Documents                                |                       | 2                             | 4                   | 8                              | 14             | \$ 2,136.24  |                | \$ 2,136.24              |
|                | Task 6 - Subtotal   | 0                     | 4                             | 8                   | 8                              | 20             | \$ 3,407.04  | \$ -           | \$ 3,407.04              |
|                |   |                       |                               |                     |                                |                |              |                |                          |
| TASK 7         | Outfall Design and Permitting   |                       |                               |                     |                                |                |              |                |                          |
|                | 7.1 Outfall Topographic Survey  |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                     |
|                | 7.2 Outfall Design Improvements                                       |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                     |
|                | 7.3 Outfall Improvements Permitting                                   |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                     |
|                | 7.4 Maintenance of Traffic  |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                     |
|                | 7.5 Instrumentation   |                       |                               |                     |                                | 0              | \$ -         |                | \$ -                     |
|                | Task 7 - Subtotai   | 0                     | 0                             | 0                   | 0                              | 0              | \$ -         | \$ -           | \$ -                     |
|                | Sum of Task 1-7   |                       |                               |                     |                                |                | A 74.000.00  |                | A                        |
|                | Sum of Task 1-/   |                       |                               |                     | I                              |                | \$ 74,999.31 | \$ -           | \$ 74,999.31             |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.; 1

Consultant: HBC Engineering Company
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

|                |   |          |                       |    |                               |          |                     |    |                                |                |          |             | SUB TOTALS     |                        |
|----------------|---|----------|-----------------------|----|-------------------------------|----------|---------------------|----|--------------------------------|----------------|----------|-------------|----------------|------------------------|
| Task<br>Number | Task Description                                  |          | Principal<br>Engineer |    | Sr. Water<br>Resources Eng. I |          | Sr. Site/Civil Eng. |    | Water Resources<br>Eng. Intern | Total<br>Hours |          | Total Labor | Total Expenses | Total Labor and Expens |
|                | Raw Rate >  | Ś        | 84.95                 | \$ | 82.00                         | ۲.       | 64.90               | 4  | 36,06                          |                | ╂        |             |                |                        |
|                | Multiplier >                                      | <u> </u> | 3                     | Υ  | 3                             | <u> </u> | 3                   | Ť  | 3                              |                | $\vdash$ |             |                |                        |
|                | Bill Rate >                                       | \$       | 254.85                | \$ | 246.00                        | \$       | 194.70              | \$ | 108,18                         |                |          |             |                |                        |
|                |   |          |                       |    |                               |          |                     |    |                                |                |          |             |                |                        |
|                | Labor Subtotal Hours                              |          | 11                    |    | 27                            |          | 130                 |    | 372                            | 542.5          |          | 542.5       |                |                        |
|                | Labor Raw Costs                                   |          | 84.95                 | \$ | 82.00                         | \$       | 64.90               | S  | 36.06                          |                |          |             |                |                        |
|                | Labor Subtotal (Bill Rate * Labor Subtotal Hours) | \$       | 2,803.35              | \$ | 6,642.00                      | \$       | 25,311.00           | \$ | 40,242.96                      |                | \$       | 74,999.31   |                |                        |
|                | PROJECT TOTAL                                     |          |                       |    |                               |          |                     |    |                                | 542.5          | \$       | 74,999.31   | \$0.00         | \$ 74,999.3            |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: Hillers Electrical Engineering, Inc.
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

|   |   |                 |                          | _             |                             | ļ              |   | SUB TOTALS     |                          |
|---|---|-----------------|--------------------------|---------------|-----------------------------|----------------|---|----------------|--------------------------|
| Task<br>Number                          | Task Description  | Project Manager | Professional<br>Engineer | Lead Engineer | Administrative<br>Assistant | Total<br>Hours | Total Labor                             | Total Expenses | Total Labor and Expenses |
|   | Raw Rate >  | \$ 79.79        | \$ 62,63                 | \$ 52.28      | \$ 26.17                    |                |   |                |                          |
|   | Multiplier>   | 2,99            | 2,99                     | 2.99          | 2.99                        |                |   |                |                          |
|   | Bill Rate >   | \$ 238.57       | \$ 187.26                |               |                             |                |   |                |                          |
| TASK 1                                  | Project Management and Coordination   |                 | 1                        |               |                             |                |   |                |                          |
| I ACA I                                 | 1.1 Kickoff Meeting   | 2               | 0                        | 2             | 0                           | 4              | \$ 789,78                               |                | \$ 789,78                |
|   | 1.2 Coordination and General Correspondence   | 4               | 27                       | 25            | 6                           | 62             | \$ 10,387,83                            |                | \$ 10,387.83             |
|   | 1.3 Progress Meetings   |                 |                          | <del> </del>  |                             | 0              | \$ -                                    |                | \$ 10,367.83             |
|   | Task 1 - Subtotal   | 6               | 27                       | 27            | 6                           | 66             | \$ 11,177.61                            | \$0.00         |                          |
| TASK 2                                  | Field Services  |                 |                          |               |                             |                |   |                |                          |
| IASK Z                                  | Field Services  <br>  Subtask 2.1 - Records Review, Site Investigation and Photo Study      |                 |                          |               |                             |                |   |                |                          |
|   | 2.1.1 Review of record drawings and previous studies  | 2               | 4                        | 8             | 2                           | 16             | \$ 2,633,23                             |                | \$ 2,633.23              |
|   | 2.1.2 Review of plans prepared by others adjacent to the project area (GL Homes)            |                 |                          |               | 2                           | 0              | \$ -                                    |                | \$ 2,033.23              |
|   | 2.1.3 Site visit  | 2               | 4                        | 12            | 0                           | 18             | \$ 3,102.01                             |                | \$ 3,102,01              |
|   | 2.1.4 Prepare Technical Memo of Field Observations  |                 |                          |               |                             | 0              | \$ -                                    |                | \$ -                     |
| *************************************** | Task 2.1- Total   | 4               | 8                        | 20            | 2                           | 34             | \$ 5,735.24                             | \$ -           | \$ 5,735.24              |
|   | Subtask 2.2 - Subsurface Utility Engineering (SUE)  |                 |                          |               |                             |                | *************************************** |                |                          |
|   | 2.2.1 Palm Beach County and Florida Department of<br>Transportation Right-of-Way Permitting |                 |                          |               |                             | 0              | \$ -                                    |                | \$ -                     |
|   | 2.2.2 Level A - Potholes for Verification of Utility Locations                              |                 | 1                        |               |                             | 0              | \$ -                                    |                | \$ -                     |
|   | 2.2.3 Level B - Scan and Sweep / Targeting  |                 |                          |               |                             | 0              | \$ -                                    |                | \$ -                     |
|   | 2,2.4 Level C - Design Tickets and Records Research   |                 |                          |               |                             | 0              | \$ -                                    |                | \$ -                     |
|   | 2.2.5 Maintenance of Traffic  |                 |                          |               |                             | C .            | \$ -                                    |                | \$ -                     |
|   | Task 2.2- Total   | 0               | 0                        | 0             | 0                           | 0              | \$ -                                    | \$ -           | \$ -                     |
|   | Subtask 2.3 - Geotechnical Investigation  |                 |                          |               |                             |                |   |                |                          |
|   | 2.3.1 Palm Beach County and FDOT Right-of-Way Permitting                                    |                 |                          |               |                             | 0              | \$ -                                    |                | \$ -                     |
|   | 2.3.2 Soil Borings and Geotechnical Testing   |                 |                          |               |                             | 0              | \$ -                                    |                | \$ -                     |
|   | Task 2.3- Total   | 0               | 0                        | 0             | 0                           | 0              | \$ -                                    | \$ -           | \$ -                     |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: Hillers Electrical Engineering, Inc.

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

| Task<br>Number | Task Description  | Project Manager  | Professional<br>Engineer | Lead Engineer | Administrative<br>Assistant | Total<br>Hours | Total Labor | Total Expenses | Total Labor and Expense: |
|----------------|---|------------------|--------------------------|---------------|-----------------------------|----------------|-------------|----------------|--------------------------|
|                | DD.t.   | 4 70 70          | 4 55.53                  | 4             |                             |                |             |                |                          |
|                | Raw Rate > Multiplier >   | \$ 79.79<br>2.99 | \$ 62.63<br>2,99         | \$ 52.2       | 28 \$ 26.17<br>2.99         | <del> </del>   |             |                |                          |
|                | Bill Rate >   | <u> </u>         |                          | <del> </del>  |                             | <b></b>        |             |                |                          |
|                | Subtask 2.4 - Survey  | 2 230,37         | \$ 107,20                | 3 130.3       | 70.23                       |                |             |                |                          |
|                | 2.4.1 Route Survey  |                  |                          |               |                             | 0              | s -         |                | \$ -                     |
|                | 2.4.2 Topographic Survey  |                  |                          |               |                             | 0              | Š -         |                | \$ -                     |
|                | 2.4.3 Pump Station Site Boundary and Topographic Survey                                 |                  |                          |               |                             | 0              | <u> </u>    |                | \$ -                     |
|                | 2.4.4 Preparation of Sketch and Legal Descriptions for easements as needed              |                  |                          |               |                             | 0              | \$ -        |                | \$ -                     |
|                | 2.4.5 Maintenance of Traffic  |                  |                          |               |                             | 0              | \$ -        |                | \$ -                     |
|                | Task 2.4- Total   | 0                | 0                        | 0             | 0                           | 0              | \$ -        | \$ -           | š -                      |
|                |   |                  |                          |               |                             |                |             |                |                          |
|                | Task 2 - Subtotal   | 4                | 8                        | 20            | 2                           | 34             | \$ 5,735.24 | \$ -           | \$ 5,735,24              |
|                |   |                  |                          |               |                             |                |             |                |                          |
|                | Preliminary Design  |                  |                          |               |                             |                |             |                |                          |
|                | Subtask 3.1 - Outfall Operational Review  |                  |                          |               |                             | <u> </u>       |             |                |                          |
|                | 3.1.1 Site visit to each location, with PBCWUD  |                  |                          |               |                             | 0              | \$ -        |                | \$ -                     |
|                | 3.1.2 Review permit conditions for each outfall   |                  |                          |               |                             | 0              | \$ -        |                | \$ -                     |
|                | 3.1.3 Review available records to determine the infrastructure in place to each outfall |                  |                          |               |                             | 0              | \$ ~        |                | \$ -                     |
|                | 3.1.4 Prepare Technical Memorandum  |                  |                          |               |                             | 0              | \$ -        |                | \$ -                     |
|                | Subtask 3.1- Total  | 0                | 0                        | 0             | 0                           | 0              | \$ -        | \$ -           | \$ -                     |
|                | Subtask 3.2 - Pump Station Basis of Design Report and 10% Design                        |                  |                          |               |                             | <u> </u>       |             |                |                          |
|                | 3.2.1 Basis of Design Report (BODR) Conceptual 10% Design                               | 2                | 6                        | 8             | 11                          | 17             | \$ 2,929.51 |                | \$ 2,929.51              |
|                | 3.2.2 Design, BIM, Quality Management, OPCC, Schedule                                   |                  |                          |               |                             | 0              | \$ -        |                | \$ -                     |
|                | 3.2.3 Proc-Mech BODR  |                  |                          |               |                             | 0              | \$ -        |                | \$ -                     |
|                | 3.2.4 Surge Analysis  |                  |                          |               |                             | 0              | \$ -        |                | \$ -                     |
|                | 3.2.5 Quality Review 3.2.6 Workshop   |                  |                          |               |                             | 0              | \$ -        |                | \$ -                     |
|                | 3.2.6 Worksnop Subtask 3.2- Total   | 2                | 6                        | 8             | 1                           | 0<br>17        | \$ -        |                | \$ -<br>\$ 2.929.51      |
|                | Subtask 3.3 - 30% Pipeline Design Plan Preparation                                      |                  | •                        | •             | <u> </u>                    | 1/             | \$ 2,929.51 | Ş -            | \$ 2,929.51              |
|                | 3.3.1 30% Pipeline Plans  | -                |                          |               |                             | 0              | \$ -        |                | \$ -                     |
|                | Subtask 3.3- Total  | 0                | 0                        | 0             | 0                           | 0              | \$ -        | \$ -           | \$ -                     |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

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Consultant Services Authorization No.: 1

Consultant: <u>Hillers Electrical Engineering</u>, Inc.
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

| <u> </u>       |   |                 |         |                          |          |               |          |                             |   |    |             |                |                 |          |
|----------------|---|-----------------|---------|--------------------------|----------|---------------|----------|-----------------------------|---|----|-------------|----------------|-----------------|----------|
|                |   |                 |         |                          |          |               | .,       |                             |   |    |             | SUB TOTALS     |                 |          |
| Task<br>Number | Task Description  | Project Manager |         | Professional<br>Engineer |          | Lead Engineer |          | Administrative<br>Assistant | Total<br>Hours                          |    | Total Labor | Total Expenses | Total Labor and | Expenses |
|                |   |                 |         |                          |          |               |          | ·                           | *************************************** |    |             |                |                 |          |
|                | Raw Rate >  |                 | 79 :    |                          | \$       | 52.28         | \$       | 26.17                       |   |    |             |                |                 |          |
|                | Multiplier >  | 2.99            |         | 2.99                     |          | 2.99          |          | 2.99                        |   |    |             |                |                 |          |
|                | Bill Rate >   | \$ 238          | 57      | \$ 187.26                | \$       | 156.32        | \$       | 78,25                       |   |    |             |                |                 |          |
|                | Subtask 3.4 - 30% Pump Station Design Plan Preparation    |                 |         |                          |          |               |          |                             |   |    |             |                |                 |          |
|                | 3.4.1 Basis of Design Report (BODR) Conceptual 30% Design | 2               |         | 6                        |          | 12            |          | 1                           | 21                                      | \$ | 3,554.78    |                | \$              | 3,554.78 |
|                | 3.4.2 Design, BIM, and Quality Management                 |                 |         |                          | <u> </u> |               | L        |                             | 0                                       | \$ | -           |                | \$              | -        |
|                | 3.4.3 General Sheets                                      |                 |         |                          | L        |               | <u> </u> |                             | 0                                       | \$ | -           |                | \$              |          |
|                | 3.4.4 Proc-Mech Design                                    |                 | $\perp$ |                          |          |               |          |                             | 0                                       | \$ | -           |                | \$              | -        |
|                | 3.4.5 OPCC and Construction Schedule                      |                 |         |                          |          |               |          |                             | 0                                       | \$ | -           |                | \$              | -        |
|                | 3.4.6 Quality Review                                      |                 |         |                          |          |               |          |                             | 0                                       | \$ | -           |                | \$              | -        |
|                | 3.4,7 Workshop  |                 |         |                          |          |               |          |                             | 0                                       | \$ | -           |                | \$              |          |
|                | 3.4.8 Site Civil Engineering                              |                 |         |                          |          |               |          |                             | 0 /                                     | \$ | -           |                | \$              | - 1      |
|                | 3.4.9 Landscape Architecture                              |                 |         |                          |          |               |          |                             | 0                                       | \$ | -           |                | \$              | -        |
|                | 3.4.10 Electrical Engineering                             | 4               |         | 8                        | L        | 20            |          | 1                           | 33                                      | \$ | 5,656.99    |                | \$              | 5,656.99 |
|                | 3.4.11 Plumbing Engineering                               |                 |         |                          |          |               |          |                             | 0                                       | \$ | -           |                | \$              | -        |
|                | 3.4.12 HVAC Engineering                                   |                 |         |                          |          |               |          |                             | 0                                       | \$ | _           |                | \$              | -        |
|                | 3.4.13 Structural Engineering                             |                 |         |                          |          |               |          |                             | 0                                       | \$ | -           |                | \$              | -        |
|                | 3.4.14 Architectural                                      |                 |         |                          |          |               |          |                             | 0                                       | \$ | -           |                | \$              | -        |
|                | Subtask 3.4- Total  | 6               |         | 14                       |          | 32            |          | 2                           | 54                                      | \$ | 9,211.77    | \$ -           | \$ 5            | 9,211.77 |
|                | Task 3 - Subtotal   | 8               |         | 20                       |          | 40            |          | 3                           | 71                                      | \$ | 12,141.28   | \$ -           | \$ 12           | 2,141.28 |
| TASK 4         | Detailed Design   |                 |         |                          |          |               |          |                             |   |    |             |                |                 |          |
|                | Subtask 4.1 - 60% Pump Station Design Submittal           |                 | -       |                          |          |               |          |                             |   |    | i           |                |                 |          |
|                | 4.1.1 Design, BIM, and Quality Management                 |                 | +       |                          |          |               |          |                             | 0                                       | \$ |             |                | \$              |          |
|                | 4.1.2 General Sheets                                      | •               | -       |                          |          | -             |          |                             |   | \$ |             |                | \$              |          |
|                | 4.1.3 Proc-Mech Design                                    |                 |         |                          |          |               |          |                             |   | \$ |             |                | \$              |          |
| :              | 4.1.4 OPCC and Construction Schedule                      |                 | +       |                          |          |               |          |                             |   | \$ | -           |                | \$              |          |
|                | 4.1.5 Quality Review                                      | •               | +       |                          |          |               |          |                             |   | \$ |             |                | \$              |          |
|                | 4.1.6 Workshop  |                 | 十       |                          |          |               |          |                             |   | \$ |             |                | \$              |          |
|                | 4.1.7 Site Civil Engineering                              |                 |         |                          |          |               |          | ····                        | 0                                       | \$ |             |                | \$              |          |
|                | 4.1.8 Landscape Architecture                              |                 |         |                          |          |               | ~~~      |                             | 0                                       | Ś  |             |                | \$              |          |
|                | 4.1.9 Electrical Engineering                              | 12              | $\top$  | 35                       |          | 75            |          | 2                           |   | \$ | 21,297.38   |                |                 | ,297.38  |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated Consultant Services Authorization No.: 1

Consultant: Hillers Electrical Engineering, Inc.
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

|                |   |                    |                 |                          |               |                             | I              |              | CUD TOTALS     |                          |
|----------------|---|--------------------|-----------------|--------------------------|---------------|-----------------------------|----------------|--------------|----------------|--------------------------|
|                |   |                    |                 | ·                        |               |                             |                | <del>,</del> | SUB TOTALS     | E                        |
| Task<br>Number | Task Description                                |                    | Project Manager | Professional<br>Engineer | Lead Engineer | Administrative<br>Assistant | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Expenses |
|                |   |                    |                 |                          |               |                             |                |              |                |                          |
|                |   | Raw Rate >         | ,               |                          |               |                             |                |              |                |                          |
|                |   | Multiplier >       | 2.99            | 2.99                     | 2,99          | 2,99                        |                |              |                |                          |
|                |   | Bill Rate >        | \$ 238.57       | \$ 187.26                | \$ 156,32     | \$ 78,25                    |                |              |                |                          |
|                | 4.1.10 Plumbing Engineering                     |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.1.11 HVAC Engineering                         |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.1.12 Structural Engineering                   |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.1.13 Architectural                            |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                |   | Subtask 4.1- Total | 12              | 35                       | 75            | 2                           | 124            | \$ 21,297.38 | \$ -           | \$ 21,297.38             |
|                | Subtask 4,2 - 90% Pipeline Design Submittal     |                    |                 |                          |               |                             |                |              |                |                          |
|                | 4.2.1 90% Pipeline Plans                        |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.2.2 90% Specifications                        |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.2.3 90% Opinion of Probable Cost              |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                |   | Subtask 4.2- Total | 0               | 0                        | 0             | 0                           | 0              | \$ -         | \$ -           | \$ -                     |
|                | Subtask 4,3 - 90% Pump Station Design Submittal |                    |                 |                          |               | -                           |                |              |                |                          |
|                | 4.3.1 Design, BIM, and Quality Management       |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.3.2 General Sheets                            |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.3.3 Proc-Mech Design                          |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
| ,              | 4.3.4 OPCC and Construction Schedule            |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.3.5 Quality Review                            |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.3.6 Workshop                                  |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.3.7 Site Civil EngineerIng                    |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.3.8 Landscape Architecture                    |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.3.9 Electrical Engineering                    |                    | 8               | 25                       | 35            | 2                           | 70             | \$ 12,217.77 |                | \$ 12,217.77             |
|                | 4.3.10 Plumbing Engineering                     |                    |                 |                          |               |                             | 0 -            | \$ -         |                | \$ -                     |
|                | 4.3.11 HVAC Engineering                         |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.3.12 Structural Engineering                   |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.3.13 Architectural                            |                    |                 |                          |               |                             | 0              | \$ -         |                | \$                       |
|                |   | Subtask 4.3- Total | 8               | 25                       | 35            | 2                           | 70             | \$ 12,217.77 | \$ -           | \$ 12,217.77             |
|                | Subtask 4.4 - 100% Pipeline Design Submittal    |                    |                 |                          |               |                             |                |              |                |                          |
|                | 4.4.1 100% Pipeline Plans                       |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.4.2 100% Specifications                       |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                | 4.4.3 100% Opinion of Probable Cost             |                    |                 |                          |               |                             | 0              | \$ -         |                | \$ -                     |
|                |   | Subtask 4.4- Total | 0               | 0                        | 0             | 0                           | 0              | \$ -         | \$ -           | \$ .                     |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: Hillers Electrical Engineering, Inc.

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

PBCWUD Project No.: 23-053

|  |   |                 |                          |               |  |                |              | SUB TOTALS     |                          |
|--|---|-----------------|--------------------------|---------------|--|----------------|--------------|----------------|--------------------------|
| Task<br>Number                         | Task Description  | Project Manager | Professional<br>Engineer | Lead Engineer | Administrative<br>Assistant                      | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Expenses |
|  |   |                 |                          | ļ             |  | <u>'</u>       |              |                |                          |
|  | Raw Rate >  | ,               | 3                        | 1             |  |                |              |                |                          |
|  | Multiplier >  | 2.99            | 2.99                     | 2.99          | 2.99   |                |              |                |                          |
|  | Bill Rate >   | \$ 238.57       | \$ 187.26                | \$ 156.3      | 2 \$ 78.25                                       |                |              |                |                          |
|  | Subtask 4.5 - 100% Pump Station Design Submittal                    |                 |                          |               |  | <u> </u>       | L            |                |                          |
|  | 4.5.1 Design, BIM, and Quality Management                           |                 |                          |               |  | 0              | \$ -         |                | \$ -                     |
|  | 4.5.2 General Sheets  | ļ               | ļ                        | <b>_</b>      |  | 0              | \$ -         |                | \$ -                     |
|  | 4.5.3 Proc-Mech Design  |                 |                          |               |  | 0              | \$ -         |                | \$ -                     |
|  | 4.5.4 OPCC and Construction Schedule                                |                 |                          |               |  | . 0            | \$ -         |                | \$ -                     |
|  | 4.5.7 Site Civil Engineering  |                 | ļ                        |               |  | 0              | \$ -         |                | \$ -                     |
|  | 4.5.8 Landscape Architecture  |                 |                          |               |  | 0              | \$ -         |                | \$ -                     |
|  | 4,5.9 Electrical Engineering  | 5               | 12                       | 20            | 2  | 39             | \$ 6,722.87  |                | \$ 6,722.87              |
|  | 4.5.10 Plumbing Engineering   |                 |                          |               |  | C              | \$ -         |                | \$ -                     |
|  | 4.5.11 HVAC Engineering   |                 |                          |               |  | 0              | \$ -         |                | \$ -                     |
|  | 4.5.12 Structural Engineering                                       |                 |                          |               |  | 0              | \$ -         |                | \$ -                     |
|  | 4.5.13 Architectural  |                 |                          |               |  | 0              | \$ -         |                | \$ -                     |
|  | Subtask 4.5- Total  | 5               | 12                       | 20            | 2  | 39             | \$ 6,722.87  | \$ -           | \$ 6,722.87              |
|  |   |                 |                          | ļ             |  | <u></u>        |              |                |                          |
|  | Task 4 - Subtotal   | 25              | 72                       | 130           | 6  | 233            | \$ 40,238.01 | \$ -           | \$ 40,238.01             |
|  |   |                 |                          |               |  |                |              |                |                          |
|  | Pipeline Permitting Services  |                 |                          |               |  |                |              |                |                          |
|  | Subtask 5.1 - Permitting for Roadway Impacts (PBC Land Development) |                 |                          |               |  |                |              |                |                          |
|  | 5.1.1 Pre-Application Meeting                                       |                 |                          |               |  | 0              | \$ -         |                | \$ -                     |
|  | 5.1.2 Prepare and Submit Application Data                           |                 |                          |               |  | 0              | \$ -         |                | \$ -                     |
|  | 5,1,3 Revise and Resubmit Application Documents                     |                 |                          |               |  | 0              | \$ -         |                | \$ -                     |
|  | Subtask 5.1- Total  | 0               | 0                        | 0             | 0  | 0              | \$ -         | \$ -           | <u> </u>                 |
|  | Subtask 5,2 - Permitting for Roadway Impacts (FDOT)                 |                 |                          |               |  |                | ,            |                |                          |
|  | 5.2.1 Pre-Application Meeting                                       |                 |                          |               |  | 0              | \$ -         |                | \$ -                     |
|  | 5.2.2 Prepare and Submit Application Data and Plans                 |                 |                          |               |  | 0              | \$ -         |                | <u>\$</u> -              |
| ······································ | 5.2.3 Revise and Resubmit Application Documents  Subtask 5.2- Total |                 |                          |               | <b></b>  | 0              | \$ -<br>\$ - | _              | <u>\$</u>                |
|  | Subtask 5.3 - Permitting with Lake Worth Drainage District          | 0               | 0                        | 0             | 0  | 0              | \$ -         | \$ -           | \$ -                     |
|  |   |                 |                          |               | <del></del>                                      |                | <u> </u>     |                |                          |
|  | 5.3.1 Pre-Application Meeting                                       |                 |                          |               | <del>                                     </del> | 0              | \$ -         |                | \$ -                     |
|  | 5.3.2 Prepare and Submit Application Data                           |                 |                          | <u> </u>      |  | 0              | \$ -         |                | \$ -                     |

Revised 12/20/2022

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1
Consultant: Hillers Electrical Engineering, Inc.

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

|                |  |          |                 |   |          |   |        |   |                |    |            | SUB TOTALS     |            |                |
|----------------|--|----------|-----------------|---|----------|---|--------|---|----------------|----|------------|----------------|------------|----------------|
| Task<br>Number | Task Description   |          | Project Manager | Professional                            | cng≀neer | Lead Engineer                           |        | Administrative<br>Assistant             | Total<br>Hours | Т  | otal Labor | Total Expenses | Total Labo | r and Expense: |
|                |  |          |                 |   |          |   |        |   |                |    |            |                |            |                |
|                | Raw Rate >   | \$       | 79.79           | <del></del>                             | 52.63    |   | 8   \$ |   |                |    |            |                |            |                |
|                | Multiplier >   | 1        | 2.99            | 2.99                                    |          | 2,99                                    |        | 2.99                                    |                |    |            |                |            |                |
|                | Bill Rate >  | \$       | 238.57          | \$ 18                                   | 37.26    | \$ 156.3                                | 2 \$   | 78.25                                   |                |    |            |                |            |                |
|                | 5.3.3 Revise and Resubmit Application Documents                    | L        |                 |   |          |   |        |   | 0              | \$ |            |                | \$         |                |
|                | Subtask 5.3- Total   |          | 0               | 0                                       |          | 0                                       |        | 0                                       | 0              | \$ | •          | \$ -           | \$         | _              |
|                | Subtask 5.4 - Pump Station Permitting Services                     |          |                 |   |          |   | 丄      |   |                |    |            |                |            |                |
|                | 5.4.1 PBC Site Plan Approval                                       | <u> </u> |                 | 6                                       |          | 6                                       |        | 1 ,                                     | 13             | \$ | 2,139.73   |                | \$         | 2,139.73       |
|                | 5.4.2 SFWMD Environmental Resources Permitting                     |          |                 |   |          |   |        |   | 0              | \$ | -          |                | \$         | -              |
|                | 5.4.3 PBC Land Development Drainage Review                         |          |                 |   |          |   |        |   | 0              | \$ | -          |                | \$         | -              |
|                | 5.4.4 PBC Building Department Review                               |          |                 |   |          |   |        | ·                                       | 0              | \$ | -          |                | \$         |                |
|                | Subtask 5.4- Total   |          | 0               | 6                                       |          | 6                                       |        | 1                                       | 13             | \$ | 2,139.73   | \$ -           | \$         | 2,139.73       |
|                |  |          |                 |   |          | ·                                       |        |   |                |    |            |                |            |                |
|                | Task 5 - Subtotal  |          | 0               | 6                                       |          | 6                                       |        | 1                                       | 13             | \$ | 2,139.73   | \$ -           | \$         | 2,139.73       |
| TASK 6         | Bidding Support  |          |                 |   |          |   | +      |   |                |    |            |                |            |                |
|                | 6.1 Review the Bid Advertisement                                   |          |                 |   |          |   |        |   | 0              | \$ | _          |                | \$         |                |
|                | 6.2 Attend Pre-Bid Meeting   |          |                 |   |          |   |        |   | 0              | \$ |            |                | \$         | -              |
|                | 6.3 Updated OPCC and Schedule                                      |          |                 |   |          |   | 1      |   | 0              | \$ |            |                | \$         | -              |
|                | 6.4 Respond to Requests for Additional Information                 |          | 0               | 12                                      |          | 18                                      |        | 2                                       | 33             | \$ | 5,217.37   |                | \$         | 5,217.37       |
|                | 6.5 Review and Compile Bid Results                                 |          |                 |   |          |   |        | *************************************** | 0              | \$ | -          |                | \$         |                |
|                | 6.6 Perform Sensitivity Analysis on Line Item Pricing from Bidders |          |                 |   |          |   |        |   | 0              | \$ | -          |                | \$         | <del>.</del>   |
|                | 6.7 Provide Recommendation of Award Letter                         |          |                 |   |          |   | $\top$ |   | 0              | \$ | -          |                | Ś          | -              |
|                | 6.8 Preparation of Conformed Documents                             |          |                 | 4                                       |          | 7                                       | _      | 1                                       | 12             | ŝ  | 1,921,52   |                | Ś          | 1,921,52       |
|                | Task 6 - Subtotal  |          | 0               | 16                                      |          | 25                                      |        | 3                                       | 45             | \$ | 7,138.89   | \$ -           | \$         | 7,138.89       |
| TASK 7         | Outfall Design and Permitting                                      |          |                 |   |          |   | +      |   |                |    |            |                |            |                |
|                | 7.1 Outfall Topographic Survey                                     |          |                 |   |          |   | +      |   | 0              | \$ | -          |                | Ś          |                |
|                | 7.2 Outfall Design Improvements                                    |          |                 |   |          |   | +      |   | 0              | \$ | -          |                | s s        | -              |
|                | 7.3 Outfall Improvements Permitting                                |          |                 |   |          | *************************************** | +      |   | 0              | Ś  |            |                | \$         |                |
|                | 7.4 Maintenance of Traffic   |          |                 | *************************************** | -        |   | $\top$ | <del></del>                             | 0              | Ś  | _          |                | \$         |                |
|                | 7.5 Instrumentation  |          | 6               | 30                                      |          | 90                                      | +      | 6                                       | 132            |    | 21,587.38  |                | \$         | 21,587.38      |
|                | Task 7 - Subtotal  |          | 6               | 30                                      | - 1      | 90                                      | +      | 6                                       | 132            |    | 21,587.38  |                | \$         | 21,587.38      |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: Inframap Corp.

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

|                |  |                  |   | ,                                       |                      | ·  |          |          |                |  |   | SUB TOT  | ALS      |                       |
|----------------|--|------------------|---|---|----------------------|--|----------|----------|----------------|--|---|--|----------|-----------------------|
| Task<br>Number | Task Description   | Project Director | Senior Project<br>Manager               | Project Manager                         | Senior<br>Technician |  | Designer | Clerical | Total<br>Hours |  | Total Labor                             | Total (  | Expenses | Total Labor and Expen |
|                | D D  | 4                |   | 4                                       |                      | <u> </u>   |          |          |                |  |   |  |          |                       |
|                | Raw Rate >   |                  |   | \$ 30.25                                |                      |  | 35.00    |          |                | ļ  |   |  |          |                       |
|                | Multiplier >   | 2.74114          | 2.74114                                 | 2.74114                                 | 2.74114              |  | 2.74114  | 2.74114  |                |  |   |  |          |                       |
|                | Bill Rate >  | \$ 183.00        | \$ 118.58                               | \$ 82.92                                | \$ 68.53             | <u>\$</u>  | 95.94    | \$ 75.96 | ···            |  |   | ļ  |          |                       |
| TASK 1         | Project Management and Coordination  |                  |   |   |                      | <del>                                     </del> |          |          |                | <del>                                     </del> |   |  |          |                       |
|                | 1.1 Kickoff Meeting  |                  |   |   |                      |  |          |          | 0              | Ś  | _                                       | <b></b>  |          | ś .                   |
|                | 1.2 Coordination and General Correspondence  |                  |   |   |                      | <del> </del>                                     |          |          | 0              | Ś  | -                                       |  |          | \$ -                  |
|                | 1.3 Progress Meetings  | ······           |   | *************************************** |                      |  |          |          | 0              | Ś  |   | <del>                                     </del> |          | \$ -                  |
|                | Task 1 - Subtotal  | 0                | 0                                       | 0                                       | 0                    |  | 0        | 0        | 0              | \$   | -                                       | \$   | -        | \$ -                  |
| TASK 2         | Field Services   |                  |   | · · · · · · · · · · · · · · · · · · ·   |                      | <del> </del>                                     |          |          |                | <u> </u>   |   |  |          |                       |
| IASK Z.        | Subtask 2.1 - Records Review, Site Investigation and Photo Study                         |                  |   |   |                      | <del> </del>                                     |          |          |                |  |   | ļ  |          |                       |
|                | 2.1.1 Review of record drawlans and previous studies                                     |                  |   |   |                      | 1  |          |          | 0              | ξ-   | -                                       | ┼──  |          | ć                     |
|                | 2.1.2 Review of plans prepared by others adjacent to the project 2.1.2 area (GL Homes)   |                  | *************************************** |   |                      |  |          |          | 0              | \$   | -                                       |  |          | \$ -                  |
|                | 2.1.3 Site visit   |                  |   |   |                      | <u> </u>   |          |          | 0              | ŝ  |   | <u> </u>   |          | \$ -                  |
|                | 2.1.4 Prepare Technical Memo of Field Observations                                       |                  |   |   |                      |  |          |          | 0              | \$   | -                                       | <u> </u>   |          | ξ                     |
|                | Task 2.1- Total  | 0                | 0                                       | 0                                       | 0                    | i —  | 0        | 0        | 0              | s  | -                                       | Ś  |          | Ś -                   |
|                | Subtask 2.2 - Subsurface Utility Engineering (SUE)                                       |                  |   |   |                      |  |          |          |                | <del></del>                                      | *************************************** | 1  |          | <u> </u>              |
|                | 2.2.1 Palm Beach County and Florida Department of Transportation Right-of-Way Permitting | 12               |   |   |                      |  |          |          | 12             | \$   | 2,195.98                                |  |          | \$ 2,195.             |
|                | 2.2.2 Level A - Potholes for Verification of Utility Locations                           | 44               | 74                                      | 410                                     | 410                  |  | 100      | 3        | 1041           | Ś  | 88,742.52                               | l  |          | \$ 88,742.            |
|                | 2.2.3 Level B - Scan and Sweep / Targeting   |                  |   |   |                      |  | Ì        |          | 0              | Ś  |   | <u> </u>   |          | \$ -                  |
|                | 2.2.4 Level C - Design Tickets and Records Research                                      | ····             |   |   |                      |  | İ        |          | 0              | \$   | -                                       |  |          | <u>\$</u> -           |
|                | 2.2.5 Maintenance of Traffic   |                  |   |   | 64                   | Ī  | [        |          | 64             | \$   | 4,385.82                                | s  | 8,394.48 | T                     |
| •              | Task 2.2- Total  | 56               | 74                                      | 410                                     | 474                  |  | 100      | 3        | 1117           | \$   | 95,324,32                               |  | 8,394.48 |                       |
|                | Subtask 2.3 - Geotechnical Investigation   |                  |   |   |                      |  |          |          |                |  |   | <u> </u>   |          |                       |
|                | 2.3.1 Palm Beach County and FDOT Right-of-Way Permitting                                 |                  |   |   |                      |  |          |          | 0              | \$   | -                                       |  | *****    | \$ -                  |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant; Inframap Corp.
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

|                |   |                  |                           |                 |                      |          |          |                | ****   | SUB TOTALS     |                          |
|----------------|---|------------------|---------------------------|-----------------|----------------------|----------|----------|----------------|--|----------------|--------------------------|
| Task<br>Number | Task Description  | Project Director | Senior Project<br>Manager | Project Manager | Senior<br>Technician | Designer | Clerical | Total<br>Hours | Total Labor                                      | Total Expenses | Total Labor and Expenses |
|                |   | 1                |                           |                 |                      |          |          |                |  |                |                          |
|                | Raw Rate > Multiplier >   |                  | \$ 43,26                  |                 |                      |          |          | <u> </u>       |  |                |                          |
|                | Multiplier > Bill Rate >  | 2.74114          | 2.74114                   | 2.74114         | 2.74114              | 2,74114  | 2.74114  |                | ļ  |                |                          |
|                | 2.3.2 Soil Borings and Geotechnical Testing   | \$ 183.00        | \$ 118.58                 | \$ 82,92        | \$ 68.53             | \$ 95.94 | \$ 75.96 |                | ļ  |                |                          |
|                | Z.5.2 Soil Borings and Geotechnical Testing  Task 2.3- Total                            | 0                | 0                         |                 |                      |          | ļ .      | 0              | \$ -   |                | \$ -                     |
|                | Subtask 2.4 - Survey  | U U              | - 0                       | 0               | 0                    | 0        | 0        | 0              | \$ -   |                | \$ -                     |
|                | 2,4.1 Route Survey  |                  |                           |                 |                      |          | -        |                | <del>                                     </del> | <del>-</del>   |                          |
|                | 2.4.2 Topographic Survey  |                  | ~~                        |                 |                      | <b> </b> |          | 0              | \$ -   |                | \$ -                     |
|                | 2.4.3 Pump Station Site Boundary and Topographic Survey                                 |                  |                           |                 |                      |          |          | 0              | \$ -   |                | \$ -                     |
|                | 0   |                  |                           |                 |                      |          |          | 0              |  |                | \$ -                     |
|                | 2.4.4 as needed   |                  | :                         |                 |                      |          |          | 0              | \$ -   |                | \$ -                     |
|                | 2.4.5 Maintenance of Traffic  |                  |                           |                 |                      |          |          | 0              | \$ -   |                | \$ -                     |
|                | Task 2.4- Total   | 0                | 0                         | 0               | 0                    | 0        | 0        | 0              | \$ -   | \$ -           | \$ -                     |
|                |   |                  |                           |                 |                      |          |          |                |  |                |                          |
|                | Task 2 - Subtotal   | 56               | 74                        | 410             | 474                  | 100      | 3        | 1117           | \$ 95,324.32                                     | \$ 8,394.48    | \$ 103,718.80            |
|                |   |                  |                           |                 |                      |          |          |                |  |                |                          |
|                | Preliminary Design  |                  |                           |                 |                      |          | <u> </u> |                |  |                |                          |
|                | Subtask 3.1 - Outfall Operational Review  |                  |                           |                 |                      |          |          |                |  |                |                          |
|                | 3.1.1 Site visit to each location, with PBCWUD  |                  |                           |                 |                      |          |          | 0              | \$ -   |                | \$ -                     |
|                | 3.1.2 Review permit conditions for each outfuli   |                  |                           |                 |                      |          |          | 0              | \$ -   |                | \$ -                     |
|                | 3.1.3 Review available records to determine the infrastructure in place to each outfall |                  |                           |                 |                      |          |          | 0              | \$ -   |                | \$ -                     |
|                | 3.1.4 Prepare Technical Memorandum  |                  |                           |                 |                      |          |          | 0              | Ś -  |                | \$ -                     |
|                | Subtask 3.1- Total  | 0                | 0                         | 0               | 0                    | 0        | 0        | 0              | š -  | \$ -           | \$ .                     |
|                | Subtask 3.2 - Pump Station Basis of Design Report and 10% Design                        |                  |                           |                 |                      |          |          |                | <u> </u>   |                | <u> </u>                 |
|                | 3.2.1 Basis of Design Report (BODR) Conceptual 10% Design                               |                  |                           |                 |                      |          | 1        | 0              | \$ -   | 1              | š                        |
|                | 3.2.2 Design, BIM, Quality Management, OPCC, Schedule                                   |                  |                           |                 |                      |          |          | 0              | \$ -   | <b> </b>       | \$ -                     |
|                | 3,2,3 Proc-Mech BODR  |                  |                           |                 |                      |          |          | 0              | \$ -   |                | \$ -                     |
|                | 3.2.4 Surge Analysis  |                  |                           |                 |                      |          |          | 0              | \$ -   |                | \$ -                     |
|                | 3.2.5 Quality Review  |                  |                           |                 |                      |          | ····     | 0              | \$ -   |                | \$ -                     |
|                | 3.2.6 Workshop  |                  |                           |                 |                      |          |          | 0              | \$ -   |                | \$ -                     |
|                | Subtask 3.2- Total  | 0                | 0                         | 0               | 0                    | 0        | 0        | 0              | \$ -   | \$ -           | Ś -                      |
|                | Subtask 3.3 - 30% Pipeline Design Plan Preparation                                      |                  |                           |                 |                      |          | i        |                |  |                | ,                        |
|                | 3.3.1 30% Pipeline Plans  |                  | İ                         |                 |                      |          |          | 0              | \$ -   |                | \$ -                     |
|                | Subtask 3.3- Total  | 0                | 0                         | 0               | 0                    | 0        | 0        | 0              | \$ -   | \$ -           | \$ -                     |
|                | Subtask 3.4 - 30% Pump Station Design Plan Preparation                                  |                  |                           |                 |                      |          |          |                |  |                |                          |
|                | 3.4.1 Basis of Design Report (BODR) Conceptual 30% Design                               |                  |                           |                 |                      |          |          | 0              | \$ -   |                | \$ -                     |
|                | 3.4.2 Design, BIM, and Quality Management   |                  |                           |                 |                      |          |          | 0              | \$ -   |                | \$ -                     |
|                | 3.4.3 General Sheets  |                  |                           |                 |                      |          |          | 0              | \$ -   |                | \$ -                     |
|                | 3,4.4 Proc-Mech Design  |                  |                           |                 |                      |          |          | 0              | \$ -   |                | \$ -                     |
|                | 3.4.5 OPCC and Construction Schedule  |                  |                           | -               |                      |          |          | 0              | \$ -   |                | \$ -                     |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: Inframap Corp.
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2
PBCWUD Project No.: 23-053

|  |   |                            |   |   |                     |                      |                     |              | <u> </u>       | *************************************** | SUB TOTALS     |                          |
|--|---|----------------------------|---|---|---------------------|----------------------|---------------------|--------------|----------------|---|----------------|--------------------------|
| Task<br>Number                                   | Task Description                                |                            | Project Director                        | Senior Project<br>Manager               | Project Manager     | Senior<br>Technician | Designer            | Clerical     | Total<br>Hours | Total Labor                             | Total Expenses | Total Labor and Expenses |
| ***************************************          |   | 0.5                        | 4                                       |   |                     |                      |                     |              |                |   |                |                          |
| $\vdash$   |   | Raw Rate ><br>Multiplier > | \$ 66.76<br>2.74114                     | \$ 43.26<br>2.74114                     |                     |                      | <del></del>         |              |                |   |                |                          |
|  |   | Bill Rate >                |   | \$ 118.58                               | 2.74114<br>\$ 82.92 | 2.74114<br>\$ 58.53  | 2.74114<br>\$ 95.94 | 2.74114      |                |   |                | ļ                        |
| $\vdash$   | 3.4.6 Quality Review                            | oili nate >                | \$ 183.00                               | 3 118.58                                | 3 82.92             | > 08.55              | \$ 95.94            | \$ 75.96     | 0              |   |                |                          |
| <b> </b>   | 3.4.7 Workshop                                  |                            |   |   |                     |                      |                     | -            | 0              | \$ -                                    |                | \$ -                     |
|  | 3.4.8 Site Civil Engineering                    |                            |   |   | <del> </del>        | l                    |                     |              | 0              | \$ -<br>\$ -                            |                | \$ -                     |
|  | 3,4,9 Landscape Architecture                    |                            |   |   |                     |                      |                     |              | 0              | 5 -                                     |                | \$ -<br>\$ -             |
|  | 3.4.10 Electrical Engineering                   |                            |   | *************************************** | <del> </del>        |                      |                     |              | - 0            | 7                                       | *****          | -                        |
| <del>                                     </del> | 3.4.11 Plumbing Engineering                     |                            |   |   |                     |                      |                     | <del></del>  |                |   |                |                          |
| h  | 3.4.12 HVAC Engineering                         |                            |   |   | <u> </u>            |                      | <del> </del>        |              | 0              | \$ -                                    |                | \$ -                     |
|  | 3.4.13 Structural Engineering                   |                            | ~~~~                                    |   |                     |                      |                     | <del> </del> | 0              | \$ -                                    |                | \$ -                     |
|  | 3.4.14 Architectural                            |                            | *************************************** |   | 1                   |                      |                     | <del> </del> | 0              | s -                                     | +              | \$ -                     |
|  |   | Subtask 3.4- Total         | 0                                       | 0                                       | 0                   | 0                    | 0                   | 0            | ā              | s -                                     | Ś -            | \$ -                     |
|  |   |                            |   |   | <del>-</del>        |                      |                     |              |                | 7                                       | <del>  '</del> | ·                        |
|  |   | Task 3 - Subtotal          | 0                                       | 0                                       | 0                   | 0                    | 0                   | 0            | 0              | \$ -                                    | s -            | s -                      |
|  |   |                            |   | _                                       |                     | _                    | -                   |              |                |   | +              |                          |
| TASK 4   | Detailed Design                                 | 41.14(145.41)              |   |   | 1                   |                      |                     |              |                |   |                |                          |
|  | Subtask 4.1 - 60% Pump Station Design Submittal |                            |   |   |                     |                      |                     |              |                |   |                |                          |
|  | 4.1.1 Design, BIM, and Quality Management       |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  | 4,1.2 General Sheets                            |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  | 4.1.3 Proc-Mech Design                          |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  | 4.1.4 OPCC and Construction Schedule            |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  | 4.1.5 Quality Review                            |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    | -              | \$ -                     |
|  | 4.1.6 Workshop                                  |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  | 4.1.7 Site Civil Engineering                    |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  | 4.1.8 Landscape Architecture                    |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  | 4.1.9 Electrical Engineering                    |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  | 4.1.10 Plumbing Engineering                     |                            |   |   |                     |                      |                     |              | 0              | \$                                      |                | \$ -                     |
|  | 4.1.11 HVAC Engineering                         |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  | 4.1.12 Structural Engineering                   |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  | 4.1.13 Architectural                            |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  |   | Subtask 4.1- Total         | 0                                       | 0                                       | 0                   | 0                    | 0                   | 0            | 0              | \$ -                                    | \$ -           | \$ -                     |
|  | Subtask 4,2 - 90% Pipeline Design Submittal     |                            |   |   |                     |                      |                     |              |                |   |                |                          |
|  | 4.2.1 90% Pipeline Plans                        |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  | 4.2.2 90% Specifications                        |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  | 4.2.3 90% Opinion of Probable Cost              |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  |   | Subtask 4.2- Total         | 0                                       | 00                                      | 0                   | 0                    | 0                   | Ð            | 0              | \$ -                                    | \$ -           | \$ .                     |
|  | Subtask 4.3 - 90% Pump Station Design Submittal |                            |   |   |                     |                      |                     |              |                |   |                |                          |
|  | 4.3.1 Design, BIM, and Quality Management       |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
|  | 4.3.2 General Sheets                            |                            |   |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |
| ,  | 4.3.3 Proc-Mech Design                          |                            | 1                                       |   |                     |                      |                     |              | 0              | \$ -                                    |                | \$ -                     |

Palm Beach County Water Utilitles Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>Inframap Corp.</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>
PBCWUD Project No.: <u>23-053</u>

|                |  |                    | ·                |                           |                 |                      |          |          | ·  |             | SUB TOTALS     |                         |
|----------------|--|--------------------|------------------|---------------------------|-----------------|----------------------|----------|----------|--|-------------|----------------|-------------------------|
|                |  |                    |                  |                           | <u> </u>        |                      |          | 1        | <del>                                     </del> | ·           | JUB TUTALS     | Ţ~~~~                   |
| Task<br>Number | Fask Description                                 | 144                | Project Director | Senior Project<br>Manager | Project Manager | Senior<br>Technician | Designer | Clerical | Total<br>Hours                                   | Fotal Labor | Total Expenses | Total Labor and Expense |
|                |  |                    |                  |                           |                 |                      |          |          |  |             |                |                         |
|                |  | Raw Rate >         |                  |                           |                 |                      |          |          |  |             |                |                         |
|                |  | Multiplier >       | 2.74114          | 2.74114                   | 2.74114         | 2.74114              | 2.74114  | 2.74114  | ·  |             |                |                         |
|                |  | Bill Rate >        | \$ 183.00        | \$ 118.58                 | \$ 82.92        | \$ 68.53             | \$ 95.94 | \$ 75.96 |  |             |                |                         |
|                | 4.3.4 OPCC and Construction Schedule             |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.3.5 Quality Review                             |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.3.6 Workshop                                   |                    |                  |                           | ļ               |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.3.7 Site Civil Engineering                     |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.3.8 Landscape Architecture                     |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.3.9 Electrical Engineering                     |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.3.10 Plumbing Engineering                      |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.3.11 HVAC Engineering                          |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4,3,12 Structural Engineering                    |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.3.13 Architectural                             |                    |                  |                           |                 |                      | ·        |          | 0  | \$ -        |                | \$ -                    |
|                |  | Subtask 4.3- Total | 0                | 0                         | 0               | 0                    | 0        | 0        | 0  | \$ -        | \$ -           | \$ -                    |
|                | Subtask 4.4 - 100% Pipeline Design Submittal     |                    |                  |                           |                 |                      |          |          |  |             |                |                         |
|                | 4,4,1 100% Pipeline Plans                        |                    |                  |                           |                 |                      |          | :        | 0  | \$          |                | \$ -                    |
|                | 4.4.2 100% Specifications                        |                    |                  |                           |                 |                      |          |          | 0  | \$ -        | <u> </u>       | \$ -                    |
|                | 4.4.3 100% Opinion of Probable Cost              |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                |  | Subtask 4.4- Total | 0                | 0                         | 0               | 0                    | 0        | 0        | 0  | \$ -        | \$ -           | \$                      |
|                | Subtask 4.5 - 100% Pump Station Design Submittal |                    |                  |                           |                 |                      |          |          |  |             |                |                         |
|                | 4.5.1 Design, BIM, and Quality Management        |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.5.2 General Sheets                             |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.5.3 Proc-Mech Design                           |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4,5.4 OPCC and Construction Schedule             |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4,5,7 Site Civil Engineering                     |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.5.8 Landscape Architecture                     |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$                      |
|                | 4.5.9 Electrical Engineering                     |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.5.10 Plumbing Engineering                      |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.5.11 HVAC Engineering                          |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.5.12 Structural Engineering                    |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                | 4.5.13 Architectural                             |                    |                  |                           |                 |                      |          |          | 0  | \$ -        |                | \$ -                    |
|                |  | Subtask 4.5- Total | 0                | 0                         | 0               | 0                    | 0        | 0        | 0  | \$ -        | \$ -           | \$ -                    |
|                |  |                    |                  |                           |                 |                      |          |          |  |             |                |                         |
|                |  | Task 4 - Subtotal  | 0                | 0                         | 0               | 0                    | 0        | 0        | 0  | \$ -        | \$ -           | \$ -                    |

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Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: Inframap Corp.
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2
PBCWUD Project No.: 23-053

|   |  |  |                           |                 |                      |          |                  | 1              |        |          | SUB TOTALS     |                          |
|---|--|--|---------------------------|-----------------|----------------------|----------|------------------|----------------|--------|----------|----------------|--------------------------|
| Task<br>Number                          | Task Description   | Project Director                       | Senior Project<br>Manager | Project Manager | Senior<br>Techniclan | Designer | Clerical         | Total<br>Hours | Tota   | al Labor | Total Expenses | Total Labor and Expenses |
|   |  |  |                           |                 |                      |          |                  |                |        |          |                |                          |
|   | Raw Rate >   | \$ 56.76                               |                           | \$ 30.25        | +                    |          | .00 \$ 27.71     |                |        |          |                |                          |
|   | Multiplier >   | 2.74114                                | 2.74114                   | 2.74114         | 2.74114              | 2.74114  | 2.74114          | <u></u>        |        |          |                |                          |
|   | Bill Rate >  | \$ 183.00                              | \$ 118.58                 | \$ 82.92        | \$ 68.53             | \$ 95    | .94 \$ 75.96     |                |        |          |                |                          |
| TASK 5                                  | Pipeline Permitting Services   |  |                           |                 |                      |          |                  | ļ              |        |          |                |                          |
|   | Subtask 5.1 - Permitting for Roadway Impacts (PBC Land Development)                        |  |                           |                 |                      |          |                  |                |        | ····     |                |                          |
|   | 5.1.1 Pre-Application Meeting  | ······································ |                           |                 |                      |          |                  | 0              | \$     | -        | ļ              | \$ -                     |
|   | 5.1.2 Prepare and Submit Application Data  |  |                           |                 |                      |          |                  | 0              | \$     | -        |                | \$ -                     |
|   | 5.1.3 Revise and Resubmit Application Documents  |  |                           |                 |                      | <u></u>  |                  | 0              | ş      | -        |                | \$ -                     |
|   | Subtask 5,1- Total   | 0                                      | 0                         | 0               | 0                    | 0        | 0                | 0              | \$     | -        | \$ -           | \$ -                     |
|   | Subtask 5.2 - Permitting for Roadway Impacts (FDOT)  |  |                           |                 |                      |          |                  | <u> </u>       |        |          |                |                          |
|   | 5.2.1 Pre-Application Meeting  |  |                           |                 |                      |          |                  | 0              | \$     | -        |                | \$ -                     |
|   | 5.2.2 Prepare and Submit Application Data and Plans  |  |                           |                 |                      | ļ        |                  | 0              | \$     | -        |                | \$ -                     |
|   | 5.2.3 Revise and Resubmit Application Documents  |  | _                         | -               |                      |          |                  | 0              | \$     | -        | ļ              | \$ -                     |
|   | Subtask 5.2- Total Subtask 5.3 - Permitting with Lake Worth Drainage District              | 0                                      | 0                         | 0               | 0                    | 0        | 0                | 0              | \$     |          | \$ -           | \$ -                     |
|   | 5.3.1 Pre-Application Meeting  |  |                           |                 |                      |          | ····             |                |        |          |                |                          |
|   | 5.3.2 Pre-Application Meeting 5.3.2 Prepare and Submit Application Data                    |  |                           |                 |                      |          |                  | 0              | \$     | -        |                | \$ -                     |
|   | 5.3.3 Revise and Resubmit Application Documents  |  |                           |                 |                      |          |                  | 0              | \$     |          |                | \$ -                     |
|   | 5.3.3 Revise and Resubmit Application Documents  Subtask 5.3- Total                        | 0                                      | 0                         | 0               | _                    |          |                  | 0              | \$     | -        |                | \$ -                     |
|   | Subtask 5.4 - Pump Station Permitting Services   | U                                      | U                         |                 | 0                    | 0        | 0                | 0              | \$     | -        | \$ -           | \$ -                     |
|   | 5.4.1 PBC Site Plan Approval   |  |                           |                 | -                    |          |                  |                |        |          |                |                          |
|   | 5.4.1 PBC Site Plan Approval  5.4.2 SFWMD Environmental Resources Permitting               |  |                           |                 |                      |          | _                | 0              | \$     |          |                | \$ -                     |
|   | 5.4.2 SEWIND Environmental Resources Permitting 5.4.3 PBC Land Development Drainage Review |  |                           |                 |                      |          |                  | 0              | \$     | -        |                | \$ -                     |
|   | 5.4.4 PBC Building Department Review   |  |                           |                 |                      |          |                  | 0              | \$     | -        |                | \$ -                     |
|   | 5.4.4 PBC Building Department Review Subtask 5.4- Total                                    | 0                                      | 0                         | 0               | 0                    | 0        |                  |                | \$     |          | <u> </u>       | \$ -                     |
|   | 340Ka3K 3.4* 10Ka1   | U .                                    | u                         | U               | U                    | U        | 0                | 0              | \$     |          | \$ -           | \$ -                     |
|   | Task 5 - Subtotal  | 0                                      | 0                         | 0               | 0                    | 0        |                  | 0              |        |          | ė .            |                          |
|   | TBSR 3 - Sub(o(a)  |  | <del>'</del>              | - '             | U                    |          | <del>- '</del> - |                | \$     | -        | \$ -           | \$ -                     |
| TASK 6                                  | Bidding Support  |  |                           |                 |                      |          |                  |                |        |          |                |                          |
| IASK U                                  | 6.1 Review the Bid Advertisement   |  |                           |                 |                      |          |                  | 0              | Ś      |          |                | *                        |
|   | 6.2 Attend Pre-Bid Meeting   |  |                           |                 |                      |          | <del></del>      | 0              | Ś      |          |                | \$ <u>-</u><br>\$ -      |
| *************************************** | 6.3 Updated OPCC and Schedule  |  |                           |                 |                      |          |                  | <u> </u>       | Ś      |          |                | *                        |
|   | 6.4 Respond to Requests for Additional Information   |  |                           |                 |                      |          |                  | 0              | \$     | _ :      |                | \$ - i                   |
|   | 6.5 Review and Compile Bid Results   |  |                           |                 |                      |          |                  | 0              | \$     |          |                | <u> </u>                 |
|   | 6.6 Perform Sensitivity Analysis on Line Item Pricing from Bidders                         |  |                           |                 |                      |          |                  | 0              | \$     | -        |                | \$ -                     |
|   | 6.7 Provide Recommendation of Award Letter   |  |                           |                 |                      | ****     | -                | 0              | Ś      |          |                | s -                      |
|   | 6.8 Preparation of Conformed Documents   |  |                           |                 | -                    |          |                  | 0              | \$     |          |                | <del></del>              |
|   | Task 6 - Subtotal  | 0                                      | 0                         | 0               | 0                    | 0        |                  | 0              | s<br>s |          | <b>\$</b> -    | *                        |
|   | task o - Subtotal  | -                                      |                           |                 |                      | <u> </u> | <del></del>      |                | 4      | -        | 7              | \$ <u>-</u>              |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: Inframap Corp.

Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u> PBCWUD Project No.: <u>23-053</u>

|                |   |                  |                           |                        |                      |           |              |                |               | SUB TOTALS     |                          |
|----------------|---|------------------|---------------------------|------------------------|----------------------|-----------|--------------|----------------|---------------|----------------|--------------------------|
| Task<br>Number | Task Description                                  | Project Director | Senior Project<br>Manager | Project Manager        | Senior<br>Technician | Designer  | Clerical     | Total<br>Hours | Total Labor   | Total Expenses | Total Labor and Expenses |
|                |   |                  |                           |                        | 4                    |           |              |                |               |                |                          |
|                | Raw Rate >  | 1                |                           |                        |                      | +         | <del> </del> | ļ              | <b></b>       |                |                          |
|                | Multiplier >                                      | 2.74114          | 2.74114                   | 2.74114                | 2,74114              | 2.74114   | 2.74114      |                |               |                |                          |
|                | Bill Rate >                                       | \$ 183.00        | \$ 118.58                 | \$ 82.92               | \$ 68.53             | \$ 95.94  | \$ 75.96     |                |               |                |                          |
| TASK 7         | Outfall Design and Permitting                     |                  |                           |                        |                      |           |              |                |               |                |                          |
|                | 7.1 Outfall Topographic Survey                    |                  |                           |                        |                      |           |              | 0              | \$ -          | \$ -           | \$ -                     |
|                | 7.2 Outfall Design Improvements                   | 4                | 6                         | 35                     | 35                   | 10        | 1            | 91             | \$ 7,779.52   | \$ -           | \$ 7,779.52              |
|                | 7,3 Outfall Improvements Permitting               |                  |                           |                        |                      |           |              | 0              | \$ -          | \$ -           | \$ -                     |
|                | 7.4 Maintenance of Traffic                        |                  |                           |                        | 16                   |           |              | 16             | \$ 1,096.46   | \$             | \$ 1,096.46              |
|                | 7.5 Instrumentation                               |                  |                           |                        |                      |           |              | 0              | \$ -          | \$ 983.40      |                          |
|                | Task 7 - Subtotal                                 | 4                | 6                         | 35                     | 51                   | 10        | 1            | 107            | \$ 8,875.98   |                |                          |
| ····           | Sum of Task 1-7                                   |                  |                           |                        |                      |           |              |                | \$ 104,200.30 | \$9,377.88     | \$ 113,578.17            |
|                | Labor Subtotal Hours                              | 60               | 80                        | 445                    | 525                  | 110       |              | 1224           | 1224          |                |                          |
|                | Labor Raw Costs                                   |                  | \$ 43.26                  |                        |                      |           | \$ 27,71     | 1224           | 1224          | ļ              |                          |
|                | Labor Subtotal (Bill Rate * Labor Subtotal Hours) |                  | \$ 9,486.54               |                        | \$ 35,977.46         |           |              |                | \$ 104,200,30 | <b></b>        |                          |
|                | manner warmen four trace annot entered transfer   | 7 20,010101      | ψ <i>μ</i> ,100.54        | <del>+</del> 55,655.17 | y 00,077,40          | 20,333.33 | Ç 202,03     |                | Y 204,208,30  |                |                          |
|                | PROJECT TOTAL                                     |                  |                           |                        |                      | 1         |              | 1224           | \$ 104,200.30 | \$9,377,88     | \$ 113,578.17            |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: Pacifica Engineering Services, LLC

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

|                |   |   |                 |          |                   |          |                |             | SUB TOTALS     |   |
|----------------|---|---|-----------------|----------|-------------------|----------|----------------|-------------|----------------|---|
| Task<br>Number | Task Description  | Principal                               | Senior Engineer | Engineer | Senior Technician | Designer | Total<br>Hours | Total Labor | Total Expenses | Total Labor and Expense                 |
|                | Raw Rate >  | \$ 66.67                                | \$ 60.00        | \$ 31.00 | \$ 33.33          | \$ 31.33 |                |             |                |   |
|                | Multiplier >  | 3                                       | 3 3             | 3 32.00  | 3 33.33           | 3 31.33  |                |             |                |   |
|                | Bill Rate >   |   |                 |          |                   |          |                |             |                |   |
| TASK 1         | Project Management and Coordination   |   |                 |          |                   |          |                |             |                | , |
|                | 1.1 Kickoff Meeting   |   |                 |          |                   |          | 0              | s -         | <b>+</b>       | s -                                     |
|                | 1.2 Coordination and General Correspondence   |   |                 |          | 1                 |          | 0              | S -         |                | \$ -                                    |
|                | 1.3 Progress Meetings   |   |                 |          | 1                 |          | 0              | \$ -        |                | Š -                                     |
|                | Task 1 - Subtotal   | 0                                       | 0               | 0        | 0                 | 0        | 0              | \$ -        | \$ -           | š -                                     |
| TASK 2         | Field Services  |   |                 |          | <u> </u>          |          |                | -           | <del> </del>   |   |
|                | Subtask 2.1 - Records Review, Site Investigation and Photo Study                            |   |                 |          |                   |          |                | 1           |                |   |
|                | 2.1.1 Review of record drawings and previous studies  |   | 1               |          |                   |          | 0              | s -         | <del> </del>   | \$ -                                    |
|                | 2.1.2 Review of plans prepared by others adjacent to the project area (GL Homes)            |   |                 |          |                   |          | 0              | \$ -        |                | \$ -                                    |
|                | 2.1.3 Site visit  | • | 1               |          | 1                 |          | 0              | ś -         |                | S -                                     |
|                | 2.1.4 Prepare Technical Memo of Field Observations  |   |                 |          |                   |          | 0              | Š -         |                | \$ -                                    |
|                | Task 2.1- Total   | 0                                       | 0               | 0        | 0                 | 0        | 0              | \$ -        | \$ -           | \$ -                                    |
|                | Subtask 2.2 - Subsurface Utility Engineering (SUE)  |   |                 |          |                   |          |                |             |                |   |
|                | 2.2.1 Palm Beach County and Florida Department of<br>Transportation Right-of-Way Permitting |   |                 |          |                   |          | 0              | \$ -        |                | \$ -                                    |
|                | 2.2.2 Level A - Potholes for Verification of Utility Locations                              |   |                 |          |                   |          | 0              | \$ -        |                | \$ -                                    |
|                | 2,2.3 Level B - Scan and Sweep / Targeting  |   |                 |          |                   |          | 0              | \$ -        |                | \$ -                                    |
|                | 2.2.4 Level C - Design Tickets and Records Research   |   |                 |          |                   |          | 0              | \$ -        |                | \$ -                                    |
|                | 2.2.5 Maintenance of Traffic  |   |                 |          |                   |          | 0              | \$ -        |                | \$ -                                    |
|                | Task 2.2- Total   | 0                                       | 0               | 0        | 0                 | 0        | 0              | \$ -        | \$ -           | \$ -                                    |
|                | Subtask 2.3 - Geotechnical Investigation  |   |                 |          |                   |          |                |             |                |   |
|                | 2.3.1 Palm Beach County and FDOT Right-of-Way Permitting                                    |   | 10              |          |                   |          | 10             | \$ 1,800.00 |                | \$ 1,800.00                             |
|                | 2.3.2 Soll Borings and Geotechnical Testing   | 3                                       | 15              | 12       | 12                | 8        | 50             | \$ 6,368.00 |                |   |
|                | Task 2.3- Total   | 3                                       | 25              | 12       | 12                | 8        | 60             | \$ 8,168.00 | \$ 80,775.00   | \$ 88,943.00                            |
|                | Subtask 2.4 - Survey  |   |                 |          | 1                 |          |                |             |                |   |
|                | 2.4.1 Route Survey  |   |                 |          |                   |          | 0              | \$ -        |                | \$ -                                    |
|                | 2.4.2 Topographic Survey  |   | ļ               |          | <b></b>           |          | 0              | \$ -        |                | \$ -                                    |
|                | 2.4.3 Pump Station Site Boundary and Topographic Survey                                     |   |                 |          |                   |          | 0              |             |                | \$ -                                    |
|                | 2.4.4 Preparation of Sketch and Legal Descriptions for easements as needed                  |   |                 |          |                   |          | 0              | \$ -        |                | \$ -                                    |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: Pacifica Engineering Services, LLC
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2
PBCWUD Project No.: 23-053

|   |   | <b></b>   | -,     |                                       | ·         |                   |  |                |              | SUB TOTALS     |                          |
|---|---|-----------|--------|---------------------------------------|-----------|-------------------|--|----------------|--------------|----------------|--------------------------|
| Task<br>Number                          | Task Description  | Principal |        | Senior Engineer                       | Engineer  | Senior Technician | Designer   | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Expenses |
|   |   |           |        | 4 50.00                               |           | 4 55.55           | 4 00 77  |                | ļ            |                |                          |
|   | Raw Rate >  |           | 66.67  |                                       |           |                   |  |                |              |                |                          |
| <u> </u>                                | Multiplier > Bill Rate >  | 3         | 00,00  | 3<br>\$ 180,00                        | \$ 93,00  | \$ 100.00         | 3<br>\$ 94.00                                    | <u> </u>       |              |                |                          |
|   | 2.4.5 Maintenance of Traffic  | \$ Z      | ,00,00 | \$ 180,00                             | \$ 93,00  | 5 100.00          | \$ 94,00   | 0              | \$ -         |                | Š -                      |
|   | 2.4.5 Maintenance of Traffic  Task 2.4- Total   | 0         |        | 0                                     | 0         | 0                 | 0  | 0              | \$ -         | \$ -           | \$ -                     |
| ļ                                       | 1 45% 2.4- 10(4)  | , v       |        | · · · · · · · · · · · · · · · · · · · | · · · · · | · · · · · ·       | U  |                | 3 -          | 7              | 3 -                      |
|   | Task 2 - Subtotal   | 3         |        | 25                                    | 12        | 12                | 8  | 60             | \$ 8,168,00  | \$ 80,775,00   | \$ 88,943.00             |
|   | 1131 2 - 040004   |           |        | 23                                    | **        | **                | <del>                                     </del> |                | 9 0,100,00   | 3 66,775,00    | γ 60,543,00              |
| TASK 3                                  | Preliminary Design  |           |        |                                       |           |                   |  |                |              |                |                          |
| 11.57.                                  | Subtask 3.1 - Outfall Operational Review  |           |        |                                       |           |                   | <b></b>  |                |              |                |                          |
|   | 3.1,1 Site visit to each location, with PBCWUD  |           |        |                                       |           |                   |  | 0              | \$ -         |                | \$ -                     |
|   | 3.1.2 Review permit conditions for each outfall   |           |        |                                       |           |                   |  | 0              | \$ -         |                | \$ -                     |
|   | 3.1.3 Review available records to determine the infrastructure in place to each outfall |           |        |                                       |           |                   |  | 0              | \$ -         |                | \$ -                     |
| ·                                       | 3.1.4 Prepare Technical Memorandum  |           |        |                                       |           | <u> </u>          |  | 0              | \$ -         |                | \$ -                     |
|   | Subtask 3.1- Total  | 0         |        | 0                                     | 0         | 0                 | 0  | 0              | \$ -         | \$ -           | \$ -                     |
|   | Subtask 3.2 - Pump Station Basis of Design Report and 10% Design                        |           |        |                                       |           |                   |  |                |              |                |                          |
|   | 3.2.1 Basis of Design Report (BODR) Conceptual 10% Design                               |           |        |                                       |           |                   |  | 0              | \$ -         |                | \$ -                     |
|   | 3.2.2 Design, BIM, Quality Management, OPCC, Schedule                                   |           |        |                                       |           |                   |  | 0              | \$ -         |                | \$ -                     |
| *************************************** | 3.2.3 Proc-Mech BODR  |           |        |                                       |           |                   |  | 0              | \$ -         |                | \$ -                     |
|   | 3.2.4 Surge Analysis  |           |        |                                       |           |                   |  | 0              | \$ -         |                | \$ -                     |
|   | 3.2.5 Quality Review  |           |        |                                       |           |                   |  | 0              | \$ -         |                | \$ -                     |
|   | 3.2.6 Workshop  |           |        |                                       |           | 1                 |  | 0              | \$ -         |                | \$ -                     |
|   | Subtask 3.2- Total  | 0         |        | 0                                     | 0         | 0                 | 0  | 0              | \$ -         | \$ -           | \$ -                     |
|   | Subtask 3.3 - 30% Pipeline Design Plan Preparation                                      |           |        |                                       |           |                   |  |                |              |                |                          |
|   | 3.3.1 30% Pipeline Plans  |           |        |                                       |           | <u> </u>          |  | 0              | \$ -         |                | \$ -                     |
|   | Subtask 3.3- Total  | 0         |        | 0                                     | 0         | 0                 | 0  | 0              | \$ -         | \$ -           | \$ -                     |
|   | Subtask 3.4 - 30% Pump Station Design Plan Preparation                                  |           |        |                                       |           | ļ                 |  |                |              |                |                          |
|   | 3.4.1 Basis of Design Report (BODR) Conceptual 30% Design                               |           |        |                                       |           | -                 |  | 0              | \$ -         |                | \$ -                     |
|   | 3.4.2 Design, BIM, and Quality Management   |           |        |                                       |           | -                 |  |                | \$ -         |                | \$ -                     |
|   | 3.4.3 General Sheets  |           |        | -                                     |           | 1                 |  | 0              | \$ -         |                | \$ -                     |
|   | 3.4.4 Proc-Mech Design  |           |        |                                       |           |                   |  | 0              | \$ -         |                | \$ -                     |
|   | 3.4.5 OPCC and Construction Schedule  |           |        |                                       |           | 1                 |  | 0              | \$ -<br>\$ - |                | \$ -                     |
|   | 3.4.6 Quality Review  |           |        | •                                     |           | 1                 |  |                | <del></del>  |                | \$ -<br>\$ -             |
|   | 3.4.7 Workshop  |           |        |                                       |           | 1                 |  | 0              | \$ -<br>\$ - |                |                          |
|   | 3.4.8 Site Civil Engineering 3.4.9 Landscape Architecture                               |           |        |                                       |           |                   |  | 0              | \$ -         |                | \$ -<br>\$ -             |
|   | э.н.э кинимире министите  | L         |        |                                       | L         | <u> </u>          | نا   | v              | - 1          |                | 7                        |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>Pacifica Engineering Services, LLC</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

|                | ·   |                 |           |  |  |          |                   |               |          | ,              |              | SUB TOTALS     |                         |
|----------------|---|-----------------|-----------|--|--|----------|-------------------|---------------|----------|----------------|--------------|----------------|-------------------------|
| Task<br>Number | Task Description  |                 | Principal | Senior Engineer                                  |  | Engineer | Senior Technician |               | Designer | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Expense |
|                |   |                 |           |  | 4  |          |                   |               |          |                |              |                |                         |
|                |   | Raw Rate >      | ·         |  | \$   | 31.00    | •                 | ,33           |          |                |              |                |                         |
|                |   | Multiplier >    | 3         | 3  | <del>                                     </del> | 3        | 3                 |               | 3        |                |              |                |                         |
|                |   | Bill Rate >     | \$ 200.00 | \$ 180.00  | \$   | 93.00    | \$ 100            | .00           | \$ 94.00 |                |              |                |                         |
| ····           | 3.4.10 Electrical Engineering                                   |                 |           | <b></b>  | -  |          |                   | -             |          |                |              |                |                         |
|                | 3.4.11 Plumbing Engineering                                     |                 |           | <del>                                     </del> | +  |          |                   |               |          |                | <u> </u>     |                | 1,                      |
|                | 3.4.12 HVAC Engineering   |                 |           |  | -  |          |                   |               |          | 0              | \$ -         |                | \$ -                    |
|                | 3.4.13 Structural Engineering                                   |                 |           |  | <del> </del>                                     |          |                   |               |          | 0              | \$ -         |                | \$ -                    |
|                | 3.4.14 Architectural  |                 |           | _  | +  |          |                   | -             |          | 0              | \$ -         |                | \$ -                    |
|                | Suoc  | isk 3.4- Total  | 0         | 0  | -  | 0        | 0                 | -             | 6        | 0              | \$ -         | \$             | \$ -                    |
|                |   | . 7. 6. 1. 1. 1 |           |  | <del> </del>                                     | _        | _                 | -             |          |                | <u> </u>     | 1              |                         |
|                | 1351  | 3 - Subtotal    | C         | 0  |  | 0        | 0                 |               | 0        | 0              | \$ -         | \$ .           | \$ -                    |
| TACK 5         | Detailed Design   |                 |           | -  | $\vdash$   |          |                   | $\dashv$      |          |                |              |                |                         |
| TASK 4         | Detailed Design Subtask 4.1 - 60% Pump Station Design Submittal | 32245124632     |           | ļ  | +  |          |                   | $\rightarrow$ |          |                |              |                |                         |
|                |   |                 |           | <u> </u>   | +  |          |                   | $\dashv$      |          | 0              | \$ -         |                |                         |
|                | 4.1.1 Design, BIM, and Quality Management 4.1.2 General Sheets  |                 |           | -  | +  |          |                   |               |          | 0              | \$ -         |                | \$ -                    |
|                | 4.1.2 General Sneets 4.1.3 Proc-Mech Design                     |                 |           |  | +  |          |                   | $\dashv$      |          | 0              | \$ -         | -              | \$ -                    |
|                | 4.1.4 OPCC and Construction Schedule                            |                 |           |  | <del> </del>                                     | .,       |                   | $\dashv$      |          | 0              | \$ -         |                | ········                |
|                | 4.1.5 Quality Review  |                 |           |  | -  |          |                   |               |          | Ð              | \$ -         |                | -                       |
|                | 4.1.5 Quanty Review 4.1.6 Workshop                              |                 |           |  | ├  |          |                   | -             |          | 0              |              | <del>-</del>   |                         |
|                | 4.1.6 Workshop  4.1.7 Site Civil Engineering                    |                 |           |  | +  |          |                   | $\dashv$      |          | 0              |              |                |                         |
|                | 4.1.7 Site Civil Engineering 4.1.8 Landscape Architecture       |                 |           |  | <del> </del>                                     |          |                   |               |          | 0              | \$ -         |                | \$ -                    |
|                | 4.1.9 Electrical Engineering                                    |                 |           |  | 1  |          |                   | -             |          | 0              |              |                | \$ -                    |
|                |   |                 |           |  | 1  |          |                   | -             |          | 0              |              |                | <del> </del>            |
|                | 4.1.10 Plumbing Engineering                                     |                 |           |  | 1  |          |                   | -             |          | 0              |              |                |                         |
|                | 4.1.11 HVAC Engineering   |                 |           |  | 1  |          |                   | -             |          | 0              |              | +              | \$ -<br>\$ -            |
|                | 4.1.12 Structural Engineering 4.1.13 Architectural              |                 |           |  | <del> </del>                                     |          |                   | -+            |          | 0              |              |                |                         |
| <u> </u>       |   | sk 4.1- Total   | 0         | 0  | -  | 0        | 0                 | $\dashv$      | 0        | 0              | \$ -<br>\$ - | \$ -           | \$ -                    |
|                | Subtask 4.2 - 90% Pipeline Design Submittal                     | 2v 4'T- 10(9)   | <u> </u>  | <u> </u>   | <del> </del>                                     | J .      | U                 | -+            | <u> </u> |                | -            | 2 -            | \$ -                    |
|                | 4,2,1 90% Pipeline Plans  |                 |           |  | <del> </del>                                     |          |                   | -+            |          | 0              | \$ -         |                | \$ -                    |
|                | 4.2.1 90% Experime Frams 4.2.2 90% Specifications               |                 |           |  | 1  |          |                   | -             |          | 0              | \$ -         |                | \$ -                    |
|                | 4.2.2 90% Specifications 4.2.3 90% Opinion of Probable Cost     |                 |           |  | <del> </del>                                     |          |                   | $\dashv$      |          | 0              | \$ -         |                | \$ -                    |
|                |   | sk 4.2- Total   | 0         | 0  | <b></b>  | 0        | ð                 |               | 0        | 0              | \$ -         | \$ -           | \$ -                    |
|                | Subtask 4.3 - 90% Pump Station Design Submittal                 | JIL TIA 10141   | <u> </u>  |  | <del>                                     </del> | -        |                   | -             |          | v              | *            | + · · · · ·    |                         |
|                | paneon no sove unit station positio annuitte                    | L.              |           |  | 1  |          |                   |               |          |                |              |                | 1                       |
|                | A 3.1 Design RIM and Quality Management                         |                 |           |  | 1  | ŀ        |                   | - 1           | 1        | Ð              | ٠ -          |                | 1 5                     |
|                | 4.3.1 Design, BIM, and Quality Management 4.3.2 General Sheets  |                 |           |  | <u> </u>   |          |                   | -             |          | 0              | \$ -<br>\$ - | -              | \$ -<br>\$ -            |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: Pacifica Engineering Services, LLC

Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u> PBCWUD Project No.: <u>23-053</u>

|                |   |                    |           |                 |          |                   | •        | -              |              | SUB TOTALS     |                          |
|----------------|---|--------------------|-----------|-----------------|----------|-------------------|----------|----------------|--------------|----------------|--------------------------|
| Task<br>Number | Task Description  |                    | Principal | Senior Engineer | Engineer | Senior Technicían | Designer | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Expense: |
|                |   |                    |           | ļ               | ļ        |                   |          |                |              |                |                          |
|                |   | Raw Rate >         |           | <del>'</del>    | 1        | <del></del>       |          | ļ              |              |                |                          |
|                |   | Multiplier >       | 3         | 3               | 3        | 3                 | 3        |                |              |                |                          |
|                | 4.4.0000 (6.1.1.1.6.1.1.1.6.1.1.6.1.1.6.1.1.6.1.1.6.1.1.6.1.1.6.1.1.6.1.1.6.1.1.6.1.1.6.1.1.6.1.1.6.1.1.6.1.1.6.1.1.1.6.1 | Bili Rate >        | \$ 200.00 | \$ 180,00       | \$ 93.00 | \$ 100.00         | \$ 94.00 |                |              | ļ              |                          |
|                | 4.3.4 OPCC and Construction Schedule  |                    |           |                 |          |                   |          | 0              | \$ -         |                | \$ -                     |
|                | 4.3.5 Quality Review  |                    |           |                 |          |                   |          | 0              | \$ -         |                | \$ -                     |
|                | 4.3.6 Workshop  |                    |           |                 |          |                   |          | 0              | \$ -         |                | \$ -                     |
|                | 4.3.7 Site Civil Engineering  |                    |           |                 |          |                   |          | 0              | \$ -         |                | \$ -                     |
|                | 4,3,8 Landscape Architecture  |                    |           | ļ -             |          |                   |          | 0              | \$ -         |                | \$ -                     |
|                | 4.3.9 Electrical Engineering  |                    |           |                 |          |                   |          | . 0            | \$ -         |                | \$ -                     |
|                | 4.3.10 Plumbing Engineering   |                    |           |                 | ļ        | <b> </b>          |          | 0              | \$ -         |                | \$ -                     |
|                | 4.3.11 HVAC Engineering   |                    |           |                 |          |                   |          | 0              | \$ -         |                | \$ -                     |
|                | 4.3.12 Structural Engineering   |                    |           |                 |          |                   |          | 0              | \$ -         |                | \$ -                     |
|                | 4.3.13 Architectural  |                    |           |                 |          |                   | _        | 0              | \$ -         |                | \$ ~                     |
|                | Subtask 4.4 - 100% Pipeline Design Submittal  | Subtask 4.3- Total | 0         | 0               | 0        | 0                 | 0        | 0              | \$ -         | \$ -           | \$ -                     |
|                |   |                    |           |                 |          |                   |          |                |              |                |                          |
|                | 4.4.1 100% Pipeline Plans   |                    |           | 1               |          |                   |          | 0              | \$ -         |                | \$ -                     |
|                | 4.4.2 100% Specifications 4.4.3 100% Opinion of Probable Cost   |                    |           |                 | <b></b>  |                   |          | 0              | \$ -         |                | \$ -                     |
|                | 4.4.3 100% Opinion of Probable Cost   | Subtask 4.4- Total | 0         | <del> </del>    |          |                   |          | 0              | \$ -         |                | \$ -                     |
|                | Subtask 4.5 - 100% Pump Station Design Submittal  | Subtask 4.4- 10tai | U         | 0               | 0        | 0                 | 0        | 0              | \$ -         | \$ -           | \$ -                     |
|                | 4.5.1 Design, BIM, and Quality Management   |                    |           |                 |          |                   |          |                |              |                |                          |
|                | 4.5.1 Design, Bill, and Quality Management 4.5.2 General Sheets   |                    |           |                 |          |                   |          | 0              | \$ -         |                | \$ -                     |
|                | 4.5.2 General Sneets 4.5.3 Proc-Mech Design   |                    |           |                 |          |                   |          | 0              | \$ -<br>\$ - |                | \$ -                     |
|                | 4.5.4 OPCC and Construction Schedule  |                    |           |                 |          |                   |          |                |              |                | \$ -                     |
|                | 4.5.7 Site Civil Engineering  |                    |           |                 |          |                   |          | 0              | \$ -<br>\$ - | ļ              | \$ -                     |
|                |   |                    |           |                 |          |                   |          |                |              |                | \$ -                     |
|                | 4.5.8 Landscape Architecture 4.5.9 Electrical Engineering   |                    |           |                 |          |                   |          | 0              | <u>\$</u> -  |                | \$ -                     |
|                | 4.5.10 Plumbing Engineering   |                    |           |                 |          |                   |          | ,              | \$ <u>-</u>  |                | \$ -                     |
|                | 4.5.10 Flumbing Engineering 4.5.11 HVAC Engineering   |                    |           |                 |          |                   |          |                |              |                | \$ -                     |
|                | 4.5.11 HVAC Engineering 4.5.12 Structural Engineering   |                    |           |                 |          |                   |          | 0              | \$ -<br>\$ - |                | \$ -                     |
|                | 4.5.13 Architectural  |                    |           |                 |          |                   |          | 0              | · :          |                | \$ -                     |
|                | 4.5.15 Architecturus  | Subtask 4.5- Total | 0         | 0               | 0        | 0                 | 0        |                | \$ -<br>\$ - | \$ -           | \$ -                     |
|                |   | Juvian 4.5- IUlai  | U         | יי              | v        | U                 | U        |                | -            | \$ -           | \$ -                     |
|                |   | Task 4 - Subtotal  | 0         | 0               | C        | 0                 | 0        | 0              | \$ -         | \$ -           | \$ -                     |
|                |   | 143V 4 - 30010fdf  | U         | u u             | ט        | υ                 | U U      | U              | \$ .         | ş -            | <u> </u>                 |

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2
Resolution No. Contract Dated
Consultant Services Authorization No.: 1
Consultant : Pacifica Engineering Services, LLC
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2
PBCWUD Project No.: 23-053

|                |  |          |           | <br>            |             |          | N                 |             |                |          |              |   |                          |
|----------------|--|----------|-----------|-----------------|-------------|----------|-------------------|-------------|----------------|----------|--------------|---|--------------------------|
|                |  |          |           |                 | <br>        |          |                   | <br>        |                |          |              | SUB TOTALS                              |                          |
| Task<br>Number | Task Description   |          | Principal | Senior Engineer | Engineer    | 100      | Senior Technician | Designer    | Total<br>Hours |          | Total Labor  | Total Expenses                          | Total Labor and Expenses |
|                |  |          |           |                 |             |          |                   |             |                |          |              |   |                          |
|                | Raw Rate >   | \$       | 66.67     | \$<br>60,00     | \$<br>31.00 | \$       |                   | \$<br>31.33 |                |          |              |   |                          |
|                | Multiplier >   | <u> </u> | 3         | <br>3           | <br>3       | <u> </u> | 3                 | <br>3       |                |          |              |   |                          |
|                | Bill Rate >  | \$       | 200,00    | \$<br>180.00    | \$<br>93.00 | \$       | 100.00            | \$<br>94.00 |                |          |              |   |                          |
|                | Pipeline Permitting Services                               |          |           |                 |             |          |                   |             |                |          |              |   |                          |
|                | Subtask 5.1 - Permitting for Roadway Impacts (PBC Land     | ļ        |           |                 | <br>        |          |                   | <br>        |                | L        |              |   |                          |
|                | 5.1.1 Pre-Application Meeting                              |          |           | <br>            | <br>        |          |                   | <br>        | 0              | \$       | <del>-</del> |   | \$ -                     |
|                | 5.1.2 Prepare and Submit Application Data                  |          |           |                 |             |          |                   |             | 0              | \$       | -            |   | \$ -                     |
|                | 5.1.3 Revise and Resubmit Application Documents            |          |           |                 | <br>        |          |                   | <br>        | 0              | \$       | _            |   | \$ -                     |
|                | Subtask 5.1- Total   |          | 0         | <br>0           | 0           |          | 0                 | <br>0       | 0              | \$       |              | \$ -                                    | \$ -                     |
|                | Subtask 5.2 - Permitting for Roadway Impacts (FDOT)        |          |           |                 | <br>        |          |                   | <br>        |                | <u>L</u> | *******      |   |                          |
|                | 5.2.1 Pre-Application Meeting                              |          |           | <br>            |             |          |                   |             | 0              | \$       | _            |   | \$ -                     |
|                | 5.2.2 Prepare and Submit Application Data and Plans        |          |           |                 |             |          |                   |             | 0              | \$       | -            |   | \$ -                     |
|                | 5.2.3 Revise and Resubmit Application Documents            |          |           |                 | <br>        |          |                   |             | 0              | \$       | -            |   | \$ -                     |
|                | Subtask 5.2- Total   |          | 0         | <br>0           | <br>0       |          | 0                 | <br>0       | 0              | \$       | -            | \$ -                                    | \$ -                     |
|                | Subtask 5.3 - Permitting with Lake Worth Drainage District |          |           | <br>            |             |          |                   | <br>        |                |          |              | *************************************** |                          |
|                | 5.3.1 Pre-Application Meeting                              |          |           | <br>            |             |          |                   |             | 0              | \$       | -            |   | \$ -                     |
|                | 5.3.2 Prepare and Submit Application Data                  |          |           |                 | <br>        |          |                   | <br>        | 0              | \$       | -            |   | \$ -                     |
|                | 5.3.3 Revise and Resubmit Application Documents            |          |           | <br>            | <br>        |          |                   | <br>        | 0              | \$       |              |   | \$ -                     |
|                | Subtask 5.3- Total   |          | 0         | 0               | 0           |          | 0                 | 0           | 0              | \$       |              | \$ -                                    | \$ -                     |
|                | Subtask 5.4 - Pump Station Permitting Services             |          |           |                 | <br>        |          |                   | <br>        |                |          |              |   |                          |
|                | 5.4.1 PBC Site Plan Approval                               |          |           | <br>            | <br>        |          |                   | <br>        | 0              | \$       | -            |   | \$ -                     |
|                | 5.4.2 SFWMD Environmental Resources Permitting             |          |           | <br>            |             |          |                   | <br>        |                | \$       |              |   | \$ -                     |
|                | 5.4.3 PBC Land Development Drainage Review                 |          |           |                 | <br>        |          |                   |             | 0              | \$       |              |   | \$ -                     |
|                | 5.4.4 PBC Building Department Review                       |          |           | <br>            | _           |          |                   | <br>        | 0              | \$       | -            |   | \$ -                     |
|                | Subtask 5.4- Total   |          | 0         | 0               | 0           |          | 0                 | 0           | 0              | \$       | -            | \$ -                                    | \$ -                     |
|                | Table Calababi   |          | _         |                 | <br>        |          | _                 |             |                | _        |              |   |                          |
|                | Task 5 - Subtotal  |          | 0         | <br>0           | <br>0       |          | 0                 | <br>0       | 0              | \$       |              | \$ -                                    | \$ -                     |
| TASK 6         | Bidding Support  |          |           | <br>            |             |          |                   | <br>        |                |          |              |   |                          |
| IMONO          | 6.1 Review the Bid Advertisement                           |          |           |                 |             |          |                   |             |                | _        |              |   |                          |
| -              | 6.2 Attend Pre-Bid Meeting                                 |          |           | <br>            | <br>        |          |                   | <br>        |                | \$       | -            |   | \$ -                     |
|                | 6.3 Updated OPCC and Schedule                              |          |           | <br>            |             |          |                   | <br>        | 0              | \$       |              |   | \$ -                     |
|                | 6.4 Respond to Requests for Additional Information         |          |           |                 | <br>        |          |                   |             |                | \$       |              |   | \$ -                     |
|                | 6.5 Review and Compile Bid Results                         |          |           | <br>            |             |          |                   | <br>        |                | \$       | -            |   | \$ -                     |
|                | Porform Concitivity Anglysis on Line Item Brising from     |          |           |                 |             |          |                   | <br>-       | 0              | \$       | -            |   | \$ -                     |
|                | 6.6 Bidders  |          |           |                 |             |          |                   |             |                | \$       | ~            |   | \$ -                     |
|                | 6.7 Provide Recommendation of Award Letter                 |          |           | <br>            |             |          |                   | <br>        | 0              | \$       | -            |   | \$ -                     |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>Pacifica Engineering Services, LLC</u> Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>

| 1              |  |  |                 |              |                   |           |                |             |                |                          |
|----------------|--|--|-----------------|--------------|-------------------|-----------|----------------|-------------|----------------|--------------------------|
|                |  |  |                 |              |                   |           |                |             | SUB TOTALS     |                          |
| Task<br>Number | Task Description   | Principal  | Senior Engineer | Engineer     | Senior Technician | Designer  | Total<br>Hours | Total Labor | Total Expenses | Total Labor and Expenses |
|                |  |  |                 |              |                   |           |                |             |                |                          |
|                | Raw Rate >   | <del>  • • • • • • • • • • • • • • • • • • •</del> |                 | <del> </del> |                   |           |                | ļ           |                |                          |
|                | Multiplier >   | 3  | 3               | 3            | 3                 | 3         |                |             |                |                          |
|                | Bill Rate >  | \$ 200,00  | \$ 180,00       | \$ 93.00     | \$ 100.0          | \$ 94.00  |                | <u> </u>    |                |                          |
|                | 6.8 Preparation of Conformed Documents                       |  |                 |              |                   |           | 0              | \$ -        |                | \$ -                     |
|                | Task 6 - Subtotal  | 0  | 0               | 0            | 0                 | 0         | 0              | \$ -        | \$ -           | \$ -                     |
| TASK 7         | Outfall Design and Permitting 7.1 Outfall Topographic Survey |  |                 |              |                   |           | 0              | \$ -        | \$ -           | \$ -                     |
|                | 7.2 Outfall Design Improvements                              |  | <b>†</b>        |              |                   | 1         | 0              | \$ .        | \$ -           | \$ -                     |
| ····           | 7.3 Outfall Improvements Permitting                          |  |                 |              |                   |           | 0              | \$ -        | \$ -           | \$ -                     |
|                | 7.4 Maintenance of Traffic                                   |  |                 |              |                   |           | 0              | \$ -        | \$ -           | \$ -                     |
|                | 7.5 Instrumentation  |  |                 |              |                   |           | 0              | \$ -        | \$ -           | \$ -                     |
|                | Task 7 - Subtotal  | 0  | 0               | 0            | 0                 | 0         | 0              | \$ -        | \$ -           | \$ -                     |
|                | Sum of Task 1-7  |  |                 |              |                   |           |                | \$ 8,168,00 | \$ 80,775.00   | 6 88 883 88              |
|                | Sum of rask 1-7  |  | <u> </u>        |              | <del> </del>      |           | 1              | \$ 9,169,00 | \$ 80,775.00   | \$ 88,943.00             |
|                | Labor Subtotal Hours   | 3  | 25              | 12           | 12                | 8         | 60             | 60          | -              | <u> </u>                 |
|                | Labor Raw Costs  |  | \$ 60.00        | \$ 31,00     | \$ 33,3           | \$ 31.33  |                |             |                |                          |
|                | Labor Subtotal (Bill Rate * Labor Subtotal Hours)            | \$ 600.00  | \$ 4,500.00     | \$ 1,116.00  | \$ 1,200.00       | \$ 752.00 |                | \$ 8,168.00 |                |                          |
|                |  |  |                 |              |                   |           |                |             |                |                          |
|                | PROJECT TOTAL  |  |                 |              |                   |           | 60             | \$ 8,168.00 | \$80,775.00    | \$ 88,943.00             |

| sznagzá bne sodeJ ledoT | T səsməqx3 lefoT | rodeJ lsJoT | fatat<br>zwoH    | Clerical       | Project /<br>Contract<br>Administrat<br>or | Utility /<br>Permiot<br>Coordinator | Survey Crew | Construction<br>Representati<br>ve               | Senior<br>Construction<br>Representati           | intern   | Designer /<br>CADD<br>Technician                 | Senior<br>Designer | Project<br>Engineer /<br>Surveyor | Senior<br>Project<br>Engineer /<br>Surveyor      | Project<br>Manager                               | Senior<br>Project<br>manager                     | Project<br>Director /<br>Principal               | nollqiritaG kreT  | Task<br>Tedmu                                      |
|-------------------------|------------------|-------------|------------------|----------------|--|-------------------------------------|-------------|--|--|--|--|--------------------|-----------------------------------|--|--|--|--|---|--|
|                         |                  |             | <b>+</b>         | E<br>00'EZ \$  | Ε 00'8Ε \$                                 | 00'8E \$                            | 00'SS \$    | 00'6E \$   | £ 42.00  | 00.05  | 00.8E \$   | 3 42.00            | 60,24                             | 00'55 \$   | 00.88  | 00'58 \$   |  | < sish wen<br>< sightimM  | <u> </u>   |
|                         |                  |             | ļ                |                | 00'111 \$                                  |                                     | \$ 762.00   | 00.711 \$  |  | 00'09 \$   | 00'511 \$  |                    |                                   | 00'59T \$  |  | 00'552 \$  | 00'008 \$  | < sign 8/8  | <u> </u>   |
| , ver c 3               | <u> </u>         | Ander c 3   | -                |                |  |                                     |             |  |  |  |  |                    |                                   |  |  |  | ·  | Project Manasement and Coordination   | E NSA  |
| 0.054, Z, 28,620.0      | <del></del>      |             | S BVT            | 10             | 04   | <del> </del>                        |             | <del> </del>                                     | <b> </b>   | -  | <del> </del> -                                   |                    |                                   | 0E   | <del> </del>                                     | 9  | 57<br>D  | 1.1. Sickoff Meeting  1.2. Containation and General Correspondence  | +  |
| 0'099'9 \$              | \$               |             | \$ <b>†</b> ?    |                |  |                                     |             |  |  |  |  |                    |                                   | OF.  | T  | 12   | 71   | 1.2 Coordination and General Correspondence<br>1.3 Progress Meetings  | <u> </u>   |
|                         | \$ 00.0\$        |             | ZSZ              | 70             | OÞ   | G                                   | 0           | 0  | 0  | · ·  | 6  | 0                  | 0                                 | 0E   |  | <u> </u>   | 05   | istoidu2 - L #ssT   | <u> </u>   |
|                         |                  |             |                  |                |  |                                     |             |  |  |  |  |                    |                                   |  |  |  | <b>!</b>   | उक्शान्य मृत्यु   | 2 X5/  |
|                         |                  | <u> </u>    | 4                | <u> </u>       |  |                                     |             |  |  |  |  |                    |                                   |  |  |  |  | Subtask 2,1 - Records Review, Site investigation and Phato Study  |  |
| · s                     | ş <del> </del>   | <u> </u>    | \$ 0             |                | +  |                                     |             | <del>                                     </del> |  | <del>                                     </del> |  |                    |                                   |  | <del> </del>                                     | <del>                                     </del> |  | zaibutz zuolyarą bno zgriwara dzoszy lo waiya I. I. Z. Dalong adi ot teaturing zradio vd banggan zoola jo walue8. | 1  |
| - \$                    | s                | -           | \$ 0             |                |  |                                     |             |  | ļ  |  |  |                    |                                   |  |  |  |  | 2.1.2 Review of plans prepared by others adjacent to the project  |  |
|                         | \$               | 00.448,4    | S BZ             |                |  |                                     |             |  |  |  | Þ  | 8                  |                                   | 8  |  | 8  |  | 2.2.3 site wisit  |  |
| . 5                     |                  | - 3         | 5 0              | <del> </del>   | + <u>-</u>                                 | 0                                   | 0           | a  |  | <del> </del>                                     | <u>-</u>   | -                  | -                                 | <del>                                     </del> | <b></b>  | <del>                                     </del> | <u> </u>   | 2.1.4 Prepare Technical Memo of Field Observations  |  |
| '628'b \$               | 5 - 9            | 00°0Z8′0    | \$ BZ            | 0              | 0  |                                     |             |  | 0  | 0  | <b>b</b>   | В                  | 0                                 | 8  | 0  | 8  | 6  | letoT -L.S. AzeT<br>Subtosk Z.Z Subsurface Utility Englineering (SUE)   |  |
| - \$                    | \$               | - :         | \$ 0             |                |  |                                     |             |  |  |  |  |                    |                                   |  |  |  |  | Polin Beach County and Horida Department of T.S.5 Transportation Right-of-Way Permitting                          | Ь_   |
| RAY AC 2                |                  | 00 Ray 2    |                  | 9              | τ  | -                                   | 92          |  |  | <del> </del>                                     | 07   | 10                 | UE.                               | - 61   | <del>                                     </del> | <del>                                     </del> | †  | Transportation Right-of-Way Permitting  | <del>  -   -   -   -   -   -   -   -   -   -</del> |
| 1899'SI \$              | 5                | 00'999'ST 5 | \$ 50T           | ,              | Ţ  | <u> </u>                            | 06          |  |  |  | 50   | 9                  | 30                                | 122  | <b> </b>   | 9  | 7 7  | Z.Z.Z. Level A - Potholes for Verification of Utility Locations E.Z.Z. Level B - Stan and Sweep / Targeting       | +  |
| Z0£'L \$                | \$               | 00.50E,T    | \$ 75            | 7              | Z  | 74                                  |             |  |  | L.,  |  |                    | 91                                |  |  | 8  |  | 2.2.4 Level C - Design Tickets and Records Research   | ₩  |
|                         | \$               |             | \$ 0             | 1              | ·  | 1                                   |             | <del> </del>                                     | <del>-</del>                                     | <b>†</b>   | l  |                    | -                                 |  | <u> </u>   | T  |  | 2.2.5 Mointenance of Traffic  |  |
| 9EL'LÞ \$               | s - ·            | 00'964'4# 9 | s ore            | 73             | 7  | 74                                  | 911         | 0  | 0  | 0  | 04   | 91                 | 99                                | OZ .   | 0  | 81   | Þ  | lejot -1.5 Azet   | +  |
|                         | 1                | ļ ·         | » ·              | ļ              |  |                                     |             |  |  |  |  |                    |                                   |  | ļ  | ļ  |  | Subtask 2.3 - Geolechnikal Investigation  | _  |
|                         | -                | T .         | \$ 0             |                |  | -                                   |             | 1  |  | <b>†</b>   |  | 1                  |                                   |  | <del>                                     </del> | †  |  | 2,3,1 Polm Beach County and FDOT Right-of-Way Permitting  |  |
| 3                       | •                | 1 -         | \$ 0<br>\$ 0     | 0              | 0  | <u> </u>                            | 0           | <del>  ° -</del>                                 | 0  | <del>                                     </del> | 0  | 0                  | 0                                 | 0  | 0  | 0  | 0  | . gnitest insindastosa ban egnited liet, t.E.s.   | <del> </del>                                       |
|                         |                  |             |                  |                |  |                                     |             |  |  |  |  |                    |                                   |  |  |  |  | istol -E.S Azel  Veyvu2 - 5. S. Azeldu2   | 4  |
|                         | \$               | 00'256'59   | \$ 010           | 7              | 8  | <b>†</b>                            | 735         | <b>†</b>   | <b>.</b>   |  | 96   | 1                  |                                   | 907  | 1  | Oτ   | Þ  | Z.4.1 Roule Survey  |  |
| .29 6<br>168'601 5      | \$               | 00.098,001  | \$ 65<br>\$ \$EZ | ī              | T 8  | <del> </del>                        | 74          | <del> </del>                                     | <del> </del>                                     | <del> </del>                                     | 75   |                    |                                   | OTT  | _  | OT OT  | b  | XA.2. Topographic Survey  | 1  |
| 179,6                   | <u></u>          | 00.174,6    | i                | 1              | .  | <b></b>                             |             | <b> </b>   | ļ  | ļ  |  |                    |                                   | 91   | <b></b>  | <u> </u>   | 7  | 2.4.3 Pump Station of Steets and Legisland Topographic Burvey   | +  |
| <i>(</i> 16'ν 5         | e .              | 00.176,4    | \$ DE            | 7              | ī  | 1                                   |             | 1  |  | <b>+</b>   |  |                    |                                   | 147  |  | ε  | 1  | 2,4,5 pseparation of Sketch and Legal Descriptions for easements  | $\top$   |
|                         |                  |             | S ETZT<br>S D    | 11             | 81   | 0                                   | 995         | 0  | 0  | 0  | 526  | Q                  | 0                                 | 356  | 0  | ιτ   | 6  | S.A.S. Mointenance of Titoffic<br>IdoT → S. Azst  | +  |
|                         |                  |             |                  |                |  |                                     |             | I  |  |  |  |                    |                                   |  |  |  |  |   | Н-   |
| 5'pt5'9pt \$            | \$ 06,438,E      | 342,850.00  | \$ 1951          | EZ             | ZZ   | ÞZ                                  | 289         | 0  | 6  | 0  | 07S  | 54                 | 99                                | 384  | ٥  | ES   | £Ι   | lesotdu2 - S AzeT   |  |
| ·                       |                  | +           | +                | +              |  |                                     | ļ           | <del> </del>                                     |  | -  | <del>                                     </del> |                    |                                   | <del> </del>                                     |  | <del> </del>                                     | <del>                                     </del> | exisall vsenimiters   | 1 2 10   |
|                         |                  |             |                  |                |  |                                     |             | ļ  | ļ  |  |  |                    |                                   | ļ  |  | ļ  |  | Prediminary Description of Review  Washington Description of Review   |  |
| -                       | \$               | -           | \$ 0             |                |  |                                     |             |  | <del></del>                                      | 1  | f  |                    |                                   |  |  |  | 1  | 3.1.1 Site wish to each location, with PBCWUD   |  |
| - 4                     | Ś                | -           | \$ 0             | <del> </del>   | <b>-</b>                                   | <del></del>                         |             | <del>- </del>                                    | <del> </del>                                     | +  | <del>                                     </del> |                    |                                   | <del> </del>                                     | ·  | <del> </del>                                     | <del>                                     </del> | 3.1.2 Review permit conditions for each outfoll   | +  |
| - (                     | \$               | - :         | \$ 0             |                |  |                                     |             | Ì  |  |  | 1  |                    |                                   |  |  | 1  |  | ni sustoutstoigii siti solimistsi ol delemini ingrostustoine in<br>Illoga ol sooli                                |  |
|                         | \$               | •           | \$ 0             |                |  |                                     |             |  |  |  |  |                    |                                   |  |  |  |  | mubnoromahl fozhnisal aregare 1.1.E   |  |
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ATTACHMENT E
PUDGET SUMMARY

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| 90.016,524 \$           | 00'000'9\$                              | 00.010,010  | \$ 6462        |          |  |                                     |              |                                    |   |  | ]                                |                    |                                   |   |  |  |                                    | JATOT TOTAL  |        |
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|                         |   |             |                | 33.00    | \$ 00'BE                                   | \$ 00'8€ \$                         | 00°SS \$     | 00'6E \$                           | 00'SÞ Ś                                 | 00'0Z  | 00'8E \$                         | 00.Sh              | 00'SÞ S                           | 00'55 \$                                    | 00'99  |  |                                    | COSTS LEAVE COSTS  |        |
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|                         |   | 1           |                |          |  | ·                                   | <del> </del> | <del> </del>                       |   | <del> </del>                                     | ·                                | ļ                  | +                                 | 1   | +  | <del> </del>                                     | +                                  | L 11-23  |        |
| \$ 23,861.10            | 01,155 2                                | 00.010,ES   | \$ BUT         | 6        | 0  | 0                                   | 95           | 0                                  | 8                                       | 1 0  | OÞ                               | 0                  | 1 0                               | 05  | 0  | <del>                                     </del> | <del> </del>                       | Rioidu2 - 7 ste7   |        |
| - \$                    | *************************************** | -           | \$ 0           |          |  |                                     |              |                                    |   |  |                                  |                    |                                   |   |  | 1  |                                    | 7.5 Instrumentation  |        |
| - \$                    |   | -           | \$ 0           |          | <u> </u>                                   |                                     | 1            |                                    | 1                                       | <u> </u>   | 1                                |                    |                                   | <b>†</b>                                    |  | <del>                                     </del> |                                    | 7.4 Mointenance of Traffic   |        |
| · \$                    |   | T -         | \$ 0           |          |  |                                     |              | 1                                  |   | <del>                                     </del> |                                  |                    |                                   | <u> </u>                                    | 1  | i  | <del> </del>                       | 7.3 Outfell Improvements Permitting                                  |        |
| · \$                    |   |             | \$ 0           |          |  |                                     |              | T                                  |   | 1  | 1                                |                    |                                   |   | 1  |  |                                    | 2.5 Outlail Design improvements                                      | 1      |
| DT'T98'EZ \$            | 01'177 \$                               | 00'0#9'EZ   | \$ 841         |          |  |                                     | 95           | 1                                  |   |  | Ob                               |                    | 1                                 | 67  |  | 8  | Þ                                  | 7.1 Outfall Topographic Survey                                       | _      |
|                         |   |             |                |          |  |                                     |              | 1                                  | T                                       |  | 1                                |                    | 1                                 |   |  |  |                                    | anittimes one person licitor   | C L XS |
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| - 5                     |   | <u> </u>    | \$ 0           |          |  |                                     | l            |                                    |   |  |                                  |                    |                                   | L   |  | L  |                                    | 6.8 Preporation of Conformed Documents                               |        |
| - \$                    |   | <u> </u>    | \$ 0           |          |  |                                     |              |                                    | L                                       |  | 1                                |                    |                                   |   |  |  |                                    | 5.7 Provide Recommendation of Aword Letter                           |        |
| - \$                    |   |             | \$ 0           |          | İ  |                                     |              |                                    | 1                                       |  |                                  |                    |                                   |   |  |  |                                    | z rabbild mort gnish's matt and no sizylonk ytivitiznač mrotra9. a.a |        |
|                         |   |             |                | 00'69    | \$ 00'011 9                                | 00.611 \$                           | 00'591 \$    | DO'ATT \$                          | 00'SET \$                               | 00:09  | 00.911 \$                        | 00.021             | DO'SET \$                         | 00'591 \$                                   | OO.BEL 2   | 00.225   | \$ ασασε š                         | < sisA lit8  | _      |
|                         |   |             |                | Ε        | £  | E                                   | Е            | 3                                  | £                                       | ε  | €                                | £                  | ξ                                 | E   | ε  | ε  | E                                  | < railqishim   |        |
|                         |   |             |                | 23,00    | \$ 00.85                                   | 00.8E \$                            | 00'55 \$     | D0.6£ \$                           | \$ 45.00                                | 00'07  | 00.BE \$                         | DO.SA 6            | 90'57 \$                          | 00'55 5                                     | 00'99 \$   | 00'58 5  | \$ 00'001 \$                       | gaw Rate >   |        |
|                         |   |             |                |          |  |                                     |              | 1                                  |   |  |                                  |                    |                                   |   | T  | 1  | 1                                  |  |        |
| aznadx3 bns nodsJ letoT | zaznaqx3 latoT                          | rodsi latoT | lstoT<br>zzuoH | Clerical | Project /<br>Contract<br>Administrat<br>or | Utility /<br>Permiat<br>Coordinator | Survey Crew  | Construction<br>Representati<br>ve | Senior<br>Construction<br>Representati  | intern   | Designer /<br>CADD<br>Techniclan | Senior<br>Designer | Project<br>Engineer /<br>Surveyor | Senior<br>Project<br>Engineer /<br>Surveyor | Project<br>Manager                               | Senior<br>Project<br>manager                     | Project<br>Director /<br>Principal | noilqhəz#G #ze∓  | ape.   |
|                         | 2JATOT BUZ                              |             |                | T        |  | •                                   |              | **********                         | • | ·  | ·                                |                    |                                   |   |  |  |                                    |  |        |

Pain Beach County Water Utilides Department Consultant Control (No. 124-05) Project Tildes 20UTH County Recentance of Transport Department of Transport Prace 2 Consultant England & Associated Inc. Consultant England & Associated Die.

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>PGAL\_Inc.</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>
PBCWUD Project No.: <u>23-053</u>

|                |   |           |   |  |                                       |                       |                                   |                |              | SUB TOTALS     |                         |
|----------------|---|-----------|---|--|---------------------------------------|-----------------------|-----------------------------------|----------------|--------------|----------------|-------------------------|
| Task<br>Number | Task Description  | Principal | Architect Project<br>Manager            | Acrhitect Senior<br>Architect          | Architect Senior<br>Interior Designer | Architect<br>Designer | Architect Project<br>Administator | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Expense |
|                |   |           |   |  | 1                                     |                       |                                   |                |              |                |                         |
|                | Raw Rate >  | \$ 100,00 | \$ 75.00                                |  | \$ 50,00                              |                       |                                   |                |              |                |                         |
| -              | Multipfler ><br>Bill Rate >   | \$ 299.00 | 2.99<br>\$ 224.25                       | 2.99<br>\$ 199.34                      | 2,99<br>\$ 149.50                     | 2.99<br>\$ 134.5      | 2.99<br>5 \$ 89.70                | <u> </u>       |              |                | - <del></del>           |
|                | Dill Rate /   | 3 239.00  | \$ 224.25                               | 3 199.34                               | \$ 149.50                             | 3 134.5               | 5 \$ 89.70                        | ļ              |              |                |                         |
| TASK 1         | Project Management and Coordination   |           |   | <b></b>                                |                                       | 1                     |                                   |                | ·            |                |                         |
| .,             | 1.1 Kickoff Meeting   | 2         | 2                                       |  |                                       | <b></b>               | 1                                 | 4              | \$ 1,046.50  |                | \$ 1,046.50             |
|                | 1.2 Coordination and General Correspondence   |           | 2                                       |  |                                       | <u> </u>              |                                   | 2              | \$ 448.50    |                | \$ 448.50               |
|                | 1.3 Progress Meetings   |           |   | ······································ |                                       |                       |                                   | 0              | \$ -         | ś -            | \$ -                    |
|                | Task 1 - Subtotal   | 2         | 4                                       | 0                                      | 0                                     | 0                     | 0                                 | 6              | \$ 1,495.00  | \$ -           | \$ 1,495.00             |
|                |   |           |   |  |                                       |                       |                                   |                |              |                |                         |
|                | Field Services  |           |   |  |                                       |                       |                                   |                |              |                |                         |
|                | Subtask 2.1 - Records Review, Site investigation and Photo Study  |           |   |  |                                       |                       |                                   |                |              |                |                         |
|                | 2.1,1 Review of record drawings and previous studies  |           | 2                                       | 2                                      | ******************************        |                       |                                   | 4              | \$ 847.19    | \$ -           | \$ 847,19               |
|                | 2.1.1 Review of plans prepared by others adjacent to the project 2.1.2 area (GL Homes)  |           |   | 2                                      |                                       |                       |                                   | 2              | \$ 398.69    |                | \$ 398.69               |
|                | 2.1.3 Site visit  |           | 2                                       | 2                                      |                                       |                       |                                   | 4              | \$ 847.19    |                | \$ 847.19               |
|                | 2.1.4 Prepare Technical Memo of Field Observations  |           |   | 2                                      |                                       |                       |                                   | 2              | \$ 398.69    |                | \$ 398.69               |
|                | Task 2.1- Total   | O         | 4                                       | 8                                      | 0                                     | 0                     | 0                                 | 12             | \$ 2,491.75  | \$ -           | \$ 2,491.75             |
|                | Subtask 2.2 - Subsurface Utility Engineering (SUE)  |           |   |  |                                       |                       |                                   |                |              |                |                         |
|                | 2.2.1 Palm Beach County and Florida Department of Transportation Right-of-Way Permitting  |           |   |  |                                       |                       |                                   | 0              | \$ -         |                | \$ -                    |
|                | 2.2.2 Lever A - Politicies for Verification of Othicy Locations   |           |   |  |                                       |                       |                                   | 0              | \$ -         |                | \$ -                    |
|                | 2.2.3 Level B - Scan and Sweep / Targeting  |           | *************************************** |  |                                       |                       |                                   | 0              | \$           |                | \$ -                    |
|                | 2.2.4 Level C - Design Tickets and Records Research   |           |   |  |                                       |                       |                                   | 0              | \$ -         |                | \$ -                    |
|                | 2.2.5 Maintenance of Traffic  |           |   |  |                                       |                       |                                   | 0              | \$ -         |                | \$ -                    |
|                | Task 2.2- Total   | 0         | 0                                       | 0                                      | 0                                     | 0                     | 0                                 | 0              | \$ -         | \$ -           | \$ -                    |
|                | Subtask 2.3 - Geotechnical Investigation  |           |   |  |                                       |                       |                                   |                |              |                |                         |
|                | 2.3.1 Palm Beach County and FDOT Right-of-Way Permitting  |           |   |  |                                       |                       |                                   | O O            | \$ -         |                | \$ -                    |
|                | 2.3.2 Soil Borings and Geotechnical Testing   |           |   |  |                                       |                       |                                   | 0              | \$ -         |                | \$ -                    |
|                | Task 2.3- Total   | 0         | 0                                       | 0                                      | 0                                     | 0                     | 0                                 | 0              | \$ -         | \$ -           | \$ -                    |
| i              | Subtask 2.4 - Survey  |           |   |  |                                       |                       |                                   |                |              |                |                         |
|                | 2.4.1 Route Survey  |           |   |  |                                       |                       |                                   | 0              | \$ -<br>\$ - |                | \$ -                    |
|                | 2.4.2 Topographic Survey 2.4.3 Pump Station Site Boundary and Topographic Survey  |           |   |  |                                       |                       |                                   | 0              | \$ -         |                | \$ -                    |
|                | 2.4.4 Pring station site admirally and ropographic survey  Preparation of Sketch and Legal Descriptions for easements as needed |           |   |  |                                       |                       |                                   | 0              | \$ -         |                | \$ -                    |
| <del></del>    | 2.4.5 Maintenance of Traffic  | -         |   |  |                                       |                       | <del></del>                       | 0              | \$ -         |                | \$ -                    |
|                | 2.4.5 Mantenance of Trajjic Task 2.4- Total   | 0         | 0                                       | 0                                      | 0                                     | 0                     | 0                                 | 0              | \$ -         | \$ -           | \$ -                    |
|                |   | i         | ĺ                                       |  |                                       |                       |                                   |                |              |                | `                       |
|                | Task 2 - Subtotal   | 0         | 4                                       | 8                                      | 0                                     | 0                     | 0                                 | 12             | \$ 2,491.75  | ś -            | \$ 2,491.75             |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: PGAL, Inc.

Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2

|                |   |           | I +-                                    | 1 .                                     |                                       |                       |   |                |              | SUB TOTALS     |                        |
|----------------|---|-----------|---|---|---------------------------------------|-----------------------|---|----------------|--------------|----------------|------------------------|
| Task<br>Number | Task Description  | Principal | Architect Project<br>Manager            | Achitect Senior<br>Architect            | Architect Senior<br>Interior Designer | Architect<br>Designer | Architect Project<br>Administator       | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Expen  |
|                |   |           |   | ļ                                       |                                       |                       |   |                |              |                |                        |
|                | Raw Rate >  | \$ 100,00 | \$ 75,00                                |   |                                       |                       |   |                |              |                |                        |
|                | Multiplier > Bill Rate >  | 2.99      | 2.99                                    | 2.99                                    | 2.99                                  | 2.99                  | 2.99                                    |                |              |                |                        |
|                | DIR NA(E >  | \$ 299.00 | \$ 224.25                               | \$ 199.34                               | \$ 149.50                             | \$ 134.55             | \$ 89.70                                |                |              |                |                        |
| TASK 3         | Preliminary Design  |           |   | <del> </del>                            |                                       |                       |   |                |              |                |                        |
|                | Subtask 3.1 - Outfall Operational Review                          |           | ****                                    |   |                                       |                       |   |                |              |                |                        |
|                | 3.1.1 Site visit to each location, with PBCWUD                    |           |   |   |                                       |                       |   |                |              |                |                        |
|                | 3.1.2 Review permit conditions for each outfall                   |           |   | <del> </del>                            |                                       |                       | ····                                    | 0              | \$ -         | <u> </u>       | \$ .                   |
|                | 3.1.3 Review available records to determine the infrastructure in |           |   |   |                                       |                       | ****                                    | 0              | \$ -         |                | \$                     |
|                | 3.1.3 place to each outfall                                       |           |   |   |                                       |                       |   | 0              | s -          |                | \$ -                   |
|                | 3.1.4 Prepare Technical Memorandum                                |           |   | <del> </del>                            |                                       | ·                     |   |                |              |                |                        |
|                | Subtask 3.1- Total  | 0         | 0                                       | 0                                       | 0                                     | 0                     |   | 0              | \$ -         | <u> </u>       | \$ -                   |
|                | Subtask 3.2 - Pump Station Basis of Design Report and 10% Design  |           |   |   | U                                     |                       | 0                                       | 0              | \$ -         | \$ -           | \$ -                   |
|                | 3.2.1 Basis of Design Report (BODR) Conceptual 10% Design         |           |   |   |                                       |                       |   | 0              | *            | <del> </del>   |                        |
|                | 3.2.2 Design, BIM, Quality Management, OPCC, Schedule             |           | *************************************** |   |                                       |                       |   | 0              | \$ -<br>\$ - | <b>_</b>       | \$ .                   |
|                | 3.2.3 Proc-Mech BODR  |           |   |   |                                       |                       | *************************************** | 0              | <del></del>  |                | \$ -                   |
|                | 3.2.4 Surge Analysis  |           | *************************************** | *************************************** |                                       |                       |   | 0              | <u> </u>     |                | \$ -                   |
|                | 3.2.5 Quality Review  |           |   |   |                                       |                       |   | 0              | <del></del>  |                | \$ -                   |
|                | 3.2.6 Workshop  |           | *************************************** |   |                                       |                       |   | 0              | \$ -<br>\$ - | ļ              | \$ -                   |
|                | Subtask 3.2- Total  | 0         | 0                                       | 0                                       | 0                                     | 0                     | 0                                       | 0              | \$ -         | s -            | \$<br>\$               |
|                | Subtask 3,3 - 30% Pipeline Design Plan Preparation                |           |   |   |                                       |                       |   |                | -            | \$ -           | <u> </u>               |
|                | 3.3.1 30% Pipeline Plans  |           | *********                               |   |                                       |                       |   | 0              | s -          | <del> </del>   | \$ -                   |
|                | Subtask 3.3- Total  | 0         | 0                                       | 0                                       | 0                                     | 0                     | 0                                       | 0              | \$ -         |                | ···_                   |
|                | Subtask 3.4 - 30% Pump Station Design Plan Preparation            |           |   | *************************************** |                                       |                       |   | <u>-</u>       | <del>-</del> | 1              | <u> </u>               |
|                | 3.4.1 Basis of Design Report (BODR) Conceptual 30% Design         |           |   |   |                                       |                       |   | 0              | \$ -         | s -            | s -                    |
|                | 3.4.2 Design, BIM, and Quality Management                         |           |   |   |                                       |                       |   | 0              | \$ -         |                |                        |
|                | 3.4.3 General Sheets  |           |   |   | ···                                   |                       |   | 0              | \$ -         |                | \$ -<br>\$ -           |
|                | 3.4.4 Proc-Mech Design  |           |   |   |                                       |                       |   | o              | \$ -         | <del></del>    | \$ -                   |
|                | 3.4.5 OPCC and Construction Schedule                              |           |   |   |                                       |                       |   | 0              | \$ -         |                | <u> </u>               |
|                | 3.4.6 Quality Review  |           |   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                                       |                       |   | 0              | \$ -         |                | <del>5</del> -         |
|                | 3.4.7 Workshop  |           |   |   |                                       |                       |   | 0              | \$ -         |                | <del>y -</del><br>\$ - |
|                | 3.4.8 Site Civil Engineering                                      |           |   | 1                                       |                                       |                       |   | 0              | \$ -         |                | \$ -                   |
|                | 3.4.9 Landscape Architecture                                      |           |   |   |                                       |                       |   | 0              | \$ -         |                | \$ -                   |
|                | 3.4.10 Electrical Engineering                                     |           |   |   |                                       |                       |   |                |              |                | T                      |
|                | 3.4.11 Plumbing Engineering                                       |           |   |   |                                       |                       |   |                |              |                |                        |
|                | 3.4.12 HVAC Engineering   |           |   |   |                                       |                       |   | 0              | \$ -         |                | \$ -                   |
| <del></del> -  | 3.4.13 Structural Engineering                                     |           | **********                              |   |                                       |                       |   | 0              | \$ -         |                | \$ -                   |
|                | 3.4.14 Architectural  | 4         | 25                                      | 40                                      | 8                                     | 24                    | -                                       | 101            | \$ 19,201.18 |                | \$ 19,201.1            |
|                | Subtask 3.4- Total  | 4         | 25                                      | 40                                      | 8                                     | 24                    | 0                                       | 101            | \$ 19,201.18 | \$ -           | \$ 19,201.1            |
|                |   |           |   |   |                                       |                       |   |                |              |                |                        |
|                | Task 3 - Subtotal   | 4         | 25                                      | 40                                      | . 8                                   | 24                    | 0                                       | 101            | \$ 19,201.18 | \$ -           | \$ 19,201,1            |

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>PGAL</u>, Inc.
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>
PBCWUD Project No.: <u>23-053</u>

|                |  |                    |             |          |                              |   |                                       |                       |              | ,                                 |                |  |              | SUB TOTALS     | ~~~~~~~~~~   |               |
|----------------|--|--------------------|-------------|----------|------------------------------|---|---------------------------------------|-----------------------|--------------|-----------------------------------|----------------|--|--------------|----------------|--------------|---------------|
| Task<br>Number | Task Description   |                    | Principal   |          | Architect Project<br>Manager | Acrhitect Senior<br>Architect           | Architect Senior<br>Interior Designer | Architect<br>Designer |              | Architect Project<br>Administator | Total<br>Hours | Tol  | tal Labor    | Total Expenses | Total Labo   | r and Expense |
|                |  |                    |             | Ι.       |                              |   |                                       |                       | 1            |                                   |                |  |              |                |              |               |
|                |  | Raw Rate >         | <u> </u>    | \$       | 75.00                        |   | \$ 50,00                              |                       | )   \$       | 30.00                             |                | ļ  |              |                | ļ            |               |
|                |  | Multiplier >       | 2.99        | 1        | 2.99                         | 2.99                                    | 2.99                                  | 2.99                  |              | 2.99                              |                |  |              |                |              |               |
|                |  | Bill Rate >        | \$ 299.00   | \$       | 224.25                       | \$ 199.34                               | \$ 149.50                             | \$ 134.55             | \$           | 89.70                             |                | ļ  |              |                | <del> </del> |               |
|                | D.A. W. J.B. J.  |                    |             | -        |                              |   |                                       | ļ                     | <del> </del> |                                   |                | -  |              | 1              | <del> </del> |               |
|                | <u>Detailed Design</u> Subtask 4.1 - 60% Pump Station Design Submittal |                    |             | 1        |                              |   |                                       |                       | +            |                                   |                | <del>                                     </del> |              | 1              |              |               |
|                | 4.1.1 Design, BIM, and Quality Management                              |                    |             | +        |                              |   |                                       |                       | +            |                                   | 0              | s  |              | <u> </u>       | Ś            |               |
|                | 4.1.1 Design, Bird, and Quanty Management 4.1.2 General Sheets         |                    |             | +-       |                              |   |                                       |                       |              |                                   | 0              | Ś  | -            | <del></del>    | Ś            |               |
|                | 4.1.2 General Sileets 4.1.3 Proc-Mech Design                           |                    |             | $\vdash$ |                              |   |                                       |                       | +            |                                   | 0              | Ś  |              | <b></b>        | \$           |               |
|                | 4.1.4 OPCC and Construction Schedule                                   |                    | <del></del> | ╁─       |                              |   |                                       |                       | +            |                                   | 0              | Š  |              |                | s            | -             |
|                | 4.1.5 Quality Review   |                    |             |          |                              |   |                                       | <del> </del>          | +            |                                   | 0              | Š  |              | <del> </del>   | Ś            |               |
|                | 4.1.6 Workshop   |                    |             | 1        |                              |   |                                       |                       | ┪            |                                   | 0              | Ś  | -            | <b>†</b>       | 5            |               |
|                | 4.1,7 Site Civil Engineering   |                    |             | 1        |                              |   |                                       |                       | 1            |                                   | 0              | Ś  | -            |                | Ś            | -             |
|                | 4.1.8 Landscape Architecture   |                    |             | †        |                              |   |                                       |                       | 1            |                                   | 0              | \$   | -            |                | Ś            | -             |
|                | 4.1.9 Electrical Engineering   |                    |             | 1        |                              |   |                                       |                       | 1            |                                   | Ö              | \$   | -            |                | \$           | _             |
|                | 4.1.10 Plumbing Engineering  |                    |             |          |                              |   |                                       |                       | 1            |                                   | 0              | \$   | -            |                | \$           | -             |
|                | 4.1.11 HVAC Engineering  |                    |             |          |                              |   |                                       |                       |              |                                   | 0              | \$   | -            |                | \$           | -             |
|                | 4.1.12 Structural Engineering  |                    |             | 1        |                              |   |                                       |                       |              |                                   | 0              | \$   | -            |                | \$           | -             |
|                | 4.1.13 Architectural   |                    | 1           | T        | 8                            | 34                                      | 8                                     | 72                    |              | 0                                 | 123            | \$   | 19,754.27    |                | \$           | 19,754.27     |
|                |  | Subtask 4.1- Total | 1           |          | 8                            | 34                                      | 8                                     | 72                    |              | 0                                 | 123            | \$   | 19,754.27    | \$ -           | \$           | 19,754.27     |
|                | Subtask 4.2 - 90% Pipeline Design Submittal                            |                    |             |          |                              |   |                                       |                       |              |                                   |                | <u> </u>   |              |                |              |               |
|                | 4.2.1 90% Pipeline Plans   |                    |             |          |                              |   |                                       |                       |              |                                   | 0              | \$   | -            |                | \$           | -             |
|                | 4.2.2 90% Specifications   |                    |             |          |                              |   |                                       |                       |              |                                   | 0              | \$   | -            |                | \$           | _             |
|                | 4.2.3 90% Opinion of Probable Cost                                     |                    |             | <u> </u> |                              |   |                                       |                       |              |                                   | 0              | \$   |              |                | \$           | -             |
|                |  | Subtask 4.2- Total | 0           |          | 0                            | 0                                       | 0                                     | 0                     | ↓            | 0                                 | 0              | \$   |              | \$ -           | \$           | •             |
|                | Subtask 4.3 - 90% Pump Station Design Submittal                        |                    |             | _        |                              |   |                                       |                       | <u> </u>     |                                   |                |  |              |                |              |               |
|                | 4.3.1 Design, BIM, and Quality Management                              |                    |             | <u> </u> |                              |   |                                       |                       | —            |                                   | 0              | \$   | -            |                | \$           | -             |
|                | 4.3.2 General Sheets   |                    |             | -        |                              |   |                                       |                       | ╄            |                                   | 0              | \$   | -            | ļ              | \$           |               |
|                | 4.3.3 Proc-Mech Design   |                    |             | -        |                              |   |                                       |                       | <del></del>  |                                   | 0              | \$   | -            | ļ              | \$           | -             |
|                | 4.3.4 OPCC and Construction Schedule                                   |                    |             | -        |                              |   |                                       |                       | +            |                                   | 0              | \$   | -            |                | \$           |               |
|                | 4.3.5 Quality Review   |                    |             | ┼        |                              |   |                                       |                       | +            |                                   | 0              | \$   | -            |                | \$           | -             |
|                | 4.3.6 Workshop   |                    |             | ┼        |                              |   |                                       |                       | +-           |                                   | 0              | 5  | -            |                | \$           | -             |
|                | 4.3.7 Site Civil Engineering 4.3.8 Landscape Architecture              |                    |             | 1        |                              |   |                                       | <del> </del>          | +            |                                   | 0              | \$   |              | <del> </del>   | Ś            | -             |
|                | 4.3.8 Landscape Architecture 4.3.9 Electrical Engineering              |                    |             | +        |                              |   |                                       | <del> </del>          | +            |                                   | 0              | S  | -            |                | ŝ            |               |
|                | 4.3.10 Plumbing Engineering  |                    |             | +        |                              | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                                       |                       | +            |                                   | 0              | \$   |              |                | \$           |               |
|                | 4.3.11 HVAC Engineering  |                    |             | +        |                              |   |                                       | <del> </del>          | +-           |                                   | 0              | \$   |              |                | Ś            |               |
|                | 4.3.11 HVAC Engineering 4.3.12 Structural Engineering                  |                    |             | +        |                              |   |                                       |                       | +            |                                   | 0              | \$   | <del>-</del> |                | Š            |               |
|                | 4.3.13 Architectural   |                    | 0           | $\vdash$ | 15                           | 46                                      | 8                                     | 64                    | +            | 2                                 | 135            | Ś  | 22,520.14    | ś -            | \$           | 22,520.14     |
|                | T.J.13 ACCIDICCIONS  | Subtask 4.3- Total | 0           | +        | 15                           | 46                                      | 8                                     | 64                    | +            | 2                                 | 135            | \$   | 22,520.14    |                | \$           | 22,520,14     |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: PGAL, Inc.

Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u> PBCWUD Project No.: <u>23-053</u>

|                | The state of the s |           |                              |                               |   | *************************************** |                                   | <del>;</del>   |              | A              |                          |
|----------------|--|-----------|------------------------------|-------------------------------|---|---|-----------------------------------|----------------|--------------|----------------|--------------------------|
|                |  |           | T +                          | T                             |   | 1                                       | 1 -                               | <u> </u>       | 1            | SUB TOTALS     |                          |
| Task<br>Number | Task Description   | Principal | Architect Project<br>Manager | Acrhitect Senior<br>Architect | Architect Senior<br>Interior Designer   | Architect                               | Architect Project<br>Administator | Total<br>Hours | Total Labor  | Total Expenses | Total Labor and Expenses |
|                |  |           |                              |                               |   |   |                                   |                |              |                |                          |
|                | Raw Rate >   | \$ 100,00 | \$ 75.00                     | \$ 66.67                      |   |   | 1                                 |                |              |                |                          |
|                | Multiplier >   | 2.99      | 2.99                         | 2.99                          | 2.99                                    | 2.99                                    | 2.99                              |                |              |                |                          |
|                | Bill Rate >  | \$ 299.00 | \$ 224.25                    | \$ 199,34                     | \$ 149.50                               | \$ 134.55                               | \$ 89.70                          |                |              |                |                          |
|                | Subtask 4.4 - 100% Pipeline Design Submittal   |           |                              |                               |   |   |                                   |                |              |                |                          |
|                | 4.4.1 100% Pipeline Plans  |           |                              |                               |   |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | 4.4.2 100% Specifications  |           |                              |                               | •                                       |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | 4.4.3 100% Opinion of Probable Cost  |           |                              |                               |   |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | Subtask 4.4- Total   | 0         | 0                            | 0                             | O                                       | 0                                       | 0                                 | 0              | \$ -         | \$ -           | \$ -                     |
|                | Subtask 4.5 - 100% Pump Station Design Submittal   |           |                              |                               |   |   |                                   |                |              |                |                          |
|                | 4.5.1 Design, BIM, and Quality Management  |           |                              |                               |   |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | 4.5.2 General Sheets   |           |                              |                               |   |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | 4.5.3 Proc-Mech Design   |           |                              |                               |   |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | 4.5.4 OPCC and Construction Schedule   |           |                              |                               |   |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | 4.5.7 Site Civil Engineering   |           |                              |                               |   |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | 4.5.8 Landscape Architecture   |           |                              |                               |   |   | 1                                 | 0              | \$ -         | T              | \$ -                     |
|                | 4.5,9 Electrical Engineering   |           |                              |                               |   |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | 4.5.10 Plumbing Engineering  |           |                              |                               |   |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | 4.5.11 HVAC Engineering  |           |                              |                               |   |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | 4.5.12 Structural Engineering  |           |                              |                               | *************************************** | <u> </u>                                |                                   | 0              | \$ -         |                | \$ -                     |
|                | 4.5.13 Architectural   | 0         | 7                            | 10                            | 44                                      | 28                                      | 0                                 | 49             | \$ 7,928.58  |                | \$ 7,928.58              |
|                | Subtask 4.5- Total   | 0         | 77                           | 10                            | 4                                       | 28                                      | 0                                 | 49             | \$ 7,928.58  | \$ -           | \$ 7,928.58              |
|                | Task 4 - Subtotal  | 1         | 30                           | 90                            | 20                                      | 164                                     | 2                                 | 307            | \$ 50,203.00 | \$ -           | \$ 50,203.00             |
|                |  |           |                              |                               |   |   |                                   |                |              |                |                          |
|                | Pipeline Permitting Services   |           |                              |                               |   |   |                                   |                |              |                |                          |
|                | Subtask 5.1 - Permitting for Roadway Impacts (PBC Land Development)  |           |                              |                               |   |   |                                   |                |              |                |                          |
|                | 5.1.1 Pre-Application Meeting  |           |                              |                               | 1                                       |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | 5.1.2 Prepare and Submit Application Data  |           | ·····                        |                               |   |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | 5.1.3 Revise and Resubmit Application Documents  |           | ·····                        |                               |   |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | Subtask 5,1- Total   | 0         | 0                            | 0                             | 0                                       | 0                                       | 0                                 | 0              | \$ -         | \$ -           | \$ -                     |
|                | Subtask 5.2 - Permitting for Roadway Impacts (FDOT)  |           |                              |                               |   |   |                                   |                |              |                |                          |
|                | 5.2.1 Pre-Application Meeting  |           |                              |                               |   |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | 5.2.2 Prepare and Submit Application Data and Plans  |           |                              |                               |   |   |                                   | 0              | \$ -         |                | \$ -                     |
|                | 5.2.3 Revise and Resubmit Application Documents  |           | _                            |                               |   |   |                                   |                | \$ -         |                | \$ -                     |
|                | Subtask 5.2- Total   | 0         | 0 .                          | 0                             | 0                                       | 0                                       | 0                                 | 0              | \$ -         | \$ -           | \$ -                     |
|                | Subtask 5,3 - Permitting with Lake Worth Drainage District   |           |                              |                               |   |   |                                   |                |              |                | -                        |
|                | 5.3.1 Pre-Application Meeting  |           |                              |                               |   |   |                                   | 0              | \$           |                | \$ -                     |
| i              | 5.3.2 Prepare and Submit Application Data  |           |                              |                               | ·····                                   |   |                                   |                | \$ -         | I              | \$ -                     |
|                | 5.3.3 Revise and Resubmit Application Documents  |           |                              |                               |   |   | _                                 | 0              | \$ -         |                | \$ -                     |
| l              | Subtask 5.3- Total   | 0         | 0                            | 0                             | 0                                       | 0                                       | 0                                 | Ð.             | \$ -         | \$ -           | \$ -                     |

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2

Resolution No. Contract Dated

Consultant Services Authorization No.: 1

Consultant: <u>PGAL Inc.</u>
Project Title: <u>SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2</u>
PBCWUD Project No.: <u>23-053</u>

|                |  |             |                              |                               |   |  |                                   |                | *************************************** | SUB TOTALS     |                         |
|----------------|--|-------------|------------------------------|-------------------------------|---|--|-----------------------------------|----------------|---|----------------|-------------------------|
| Task<br>Number | Task Description   | Principal   | Architect Project<br>Manager | Acrhitect Senior<br>Architect | Architect Senior<br>Interior Designer   | Architect  | Architect Project<br>Administator | Total<br>Hours | Total Labor                             | Total Expenses | Total Labor and Expense |
|                |  |             | <u> </u>                     |                               |   |  |                                   |                |   |                |                         |
|                | Raw Rate >   | \$ 100.00   |                              |                               |   |  |                                   |                |   |                |                         |
|                | Multiplier >   | 2.99        | 2,99                         | 2.99                          | 2.99                                    | 2.99   | 2,99                              |                | *************************************** |                |                         |
|                | Bill Rate >  | \$ 299.00   | \$ 224.25                    | \$ 199.34                     | \$ 149.50                               | \$ 134.55  | \$ 89.70                          |                |   |                |                         |
|                | Subtask 5.4 - Pump Station Permitting Services                     |             |                              | <del></del>                   |   |  |                                   |                |   |                |                         |
|                | 5.4.1 PBC Site Plan Approval                                       | 4           | 8                            | 4                             |   |  |                                   | 16             | \$ 3,787.37                             |                | \$ 3,787.3              |
|                | 5.4.2 SFWMO Environmental Resources Permitting                     |             |                              |                               | ļ                                       |  |                                   | 0              | \$                                      |                | \$ -                    |
|                | 5.4.3 PBC Land Development Drainage Review                         |             |                              | <u> </u>                      |   | 1  |                                   | 0              | \$ -                                    |                | \$ -                    |
|                | 5.4.4 PBC Building Department Review                               |             | 4                            | 8                             | ļ                                       | 8  |                                   | 20             | \$ 3,568.15                             |                | \$ 3,568.1              |
|                | Subtask 5.4- Total   | 4           | 12                           | 12                            | 0                                       | 8  | 0                                 | 36             | \$ 7,355.52                             | \$ -           | \$ 7,355.52             |
|                | Task 5 - Subtotal  | 4           | 12                           | 12                            | 0                                       | 8  | 0                                 | 36             | \$ 7,355.52                             | \$ -           | \$ 7,355.52             |
|                |  |             |                              |                               |   |  |                                   |                |   |                |                         |
| TASK 6         | Bidding Support  |             | ļ                            |                               | *************************************** |  |                                   |                |   |                |                         |
|                | 6.1 Review the Bid Advertisement                                   |             | 1                            |                               | 1                                       |  |                                   | 2              | \$ 373.75                               |                | \$ 373.7                |
|                | 6.2 Attend Pre-Bid Meeting   |             | 2                            | <u></u>                       | <u>.</u>                                |  |                                   | 2              | \$ 448.50                               |                | \$ 448.50               |
|                | 6.3 Updated OPCC and Schedule                                      |             |                              |                               |   |  |                                   | 0              | \$ -                                    |                | \$ -                    |
|                | 6.4 Respond to Requests for Additional Information                 |             | 2                            | 2                             |   |  |                                   | 4              | \$ 847.19                               |                | \$ 847.19               |
|                | 6.5 Review and Compile Bid Results                                 |             | 2                            |                               |   |  |                                   | 2              | \$ 448.50                               |                | \$ 448.50               |
|                | 6.6 Perform Sensitivity Analysis on Line Item Pricing from Bidders |             | 4                            | 2                             |   |  | •                                 | 6              | \$ 1,295.69                             |                | \$ 1,295.69             |
|                | 6.7 Provide Recommendation of Award Letter                         | 1           |                              |                               | ]                                       |  |                                   | 1              | \$ 299.00                               |                | \$ 299.00               |
|                | 6.8 Preparation of Conformed Documents                             |             | 4                            |                               |   | 1  |                                   | 4              | \$ 897,00                               | ·              | \$ 897.00               |
|                | Task 6 - Subtotal  | 1           | 15                           | 4                             | 1                                       | 0  | 0                                 | 21             | \$ 4,609.62                             | \$ -           | \$ 4,609.62             |
| TASK 7         | Outfall Design and Permitting                                      |             |                              |                               |   |  |                                   |                |   |                |                         |
| ,              | 7.1 Outfall Topographic Survey                                     |             |                              | <del></del>                   |   | 1  | <del></del>                       | 0              | s -                                     |                | ŝ -                     |
|                | 7.2 Outfall Design Improvements                                    |             |                              |                               |   | <del>                                     </del> |                                   | 0              | s -                                     |                | \$ -                    |
|                | 7.3 Outfall Improvements Permitting                                |             |                              |                               |   | ***************************************          |                                   | 0              | <u>s</u> -                              |                | \$ -                    |
|                | 7.4 Maintenance of Traffic   |             |                              |                               |   |  | <del> </del>                      | 0              | Ś                                       |                | \$ .                    |
|                | 7.5 Instrumentation  |             |                              |                               |   |  |                                   | 0              | š -                                     |                | \$ -                    |
|                | Task 7 - Subtotal  | 0           | 0                            | 0                             | 0                                       | 0  | 0                                 | 0              | \$ -                                    | ś -            | \$ -                    |
|                |  |             |                              |                               |   |  |                                   |                |   |                |                         |
|                | Sum of Task 1-7  |             |                              |                               |   |  |                                   |                | \$ 85,356,07                            | \$             | \$ 85,356.07            |
|                | Labor Subtotal Hours   | 12          | 90                           | 154                           | 29                                      | 196  | 2                                 | 483            | 483                                     |                |                         |
|                | Labor Raw Costs  |             |                              |                               |   |  |                                   |                | 702                                     |                |                         |
|                | Labor Subtotal (Bill Rate * Labor Subtotal Hours)                  | \$ 3,588.00 |                              |                               | \$ 4,335.50                             |  | <del></del>                       |                | \$ 85,356.07                            |                |                         |
|                | ADALEST VANAL  |             |                              |                               |   |  |                                   |                | _                                       |                |                         |
|                | PROJECT TOTAL  |             |                              |                               |   | L  |                                   | 483            | \$ 85,356.07                            | \$0.00         | \$ 85,356.07            |

# ATTACHMENT E SUBCONSULTANT REIMBURSABLE BREAKDOWN

|  | ATTACHMENT E                              |   |   |                                    |
|--|---|---|---|------------------------------------|
|  | BUDGET SUMMARY (REIMBURSABLE              | S)  |   |                                    |
| Panch County Water Halliston Days days   |   |   |   |                                    |
| n Beach County Water Utilities Department<br>tract for Consulting/Professional Services <i>SOUTH C</i> O | VISITY DECLARATE MATER TRANSPORTER        |   |   |                                    |
| plution No. Contract Dated   | JONIT RECLAIMED WATER TRANSMISSION PIP    | ELINE - PHASE 2   |   |                                    |
| sultant Services Authorization No.:_1  |   |   |   |                                    |
| sultant: Brown and Caldwell (Corporation)  |   |   |   |                                    |
| ect Title: SOUTH COUNTY RECLAIMED WATER TRAN   | ISMISSION DIDELINE DHASE 2                |   |   |                                    |
| WUD Project No.: 23-053  | SANSSIGNATIA CENTE PRASE Z                |   |   |                                    |
|  |   |   |   |                                    |
| Task Name  | Reimbursable Description                  | Projected Quantity  | ili<br>Od <b>erala valda</b> nder en trenneren.                   | ili<br>Hakuu ka akii Wasiwi sii sa |
| Project Management and Coordination  | 8.5x11 Print (color)                      | The second control of the second control of | All the second sections are second to the second second sections. | Project Cost                       |
|  | Bond Copies/Color/Blueprints (22x34)      | 0   | \$1.00  | \$0.00                             |
|  | bond copies/color/Bldeprints (22x34)      | 100   | \$0.655   | \$65.50                            |
| Total Task 1   |   |   |   | \$0.00                             |
| Total lask 1   |   |   |   | \$65.50                            |
| Field Camile   |   |   |   |                                    |
| Field Services   | 8.5x11 Print (color)                      |   | \$1.00  | \$0.00                             |
|  | Bond Copies/Color/Blueprints (22x34)      | 0   | \$3.00  | \$0.00                             |
|  | Bond Copies/Black line/Blueprints (11x17) | 0   | \$0.30  | \$0.00                             |
| W-L-1 T- J-2   | Mileage (\$/mi GSA Rate)                  | 200   | \$0.655   | \$131.00                           |
| Total Task 2   |   |   |   | \$131.00                           |
| Preliminary Design   | 8.5x11 Print (color)                      |   |   |                                    |
| Training people  | 6.5XII FIRE (COO)                         | 0   | \$1.00  | \$0.00                             |
|  |   |   |   |                                    |
| Total Task 3   |   |   |   | 40.00                              |
| 7000 1030  |   |   |   | \$0.00                             |
| Detailed Design  | Bond Copies/Color/Blueprints (22x34)      | 0   | ¢2.00   | 40.00                              |
|  | Bond Copies/Black line/Blueprints (11x17) | 0   | \$3.00<br>\$0.30  | \$0.00                             |
|  | one copies, black interprines (IIXI7)     | 0   | \$0.30  | \$0.00                             |
| Total Task 4   |   |   |   | \$0.00                             |
|  |   |   |   | 30.00                              |
| Permitting Services  | Bond Copies/Color/Blueprints (22x34)      | 0   | \$3.00  | \$0.00                             |
|  |   |   | 73.00   | \$0.00                             |
|  |   |   |   |                                    |
| Total Task 5   |   |   |   | \$0.00                             |
|  |   |   |   | +                                  |
| Bidding Support  | Bond Copies/Color/Blueprints (22x34)      | 0   | \$3.00  | \$0.00                             |
|  | Bond Copies/Black line/Blueprints (11x17) | 0   | \$0.30  | \$0.00                             |
|  |   |   |   | \$0.00                             |
| Total Task 6   |   |   |   | \$0.00                             |
| 0.6.00   |   |   |   |                                    |
| Outfall Design and Permitting  |   |   |   | \$0.00                             |
|  |   |   |   | \$0.00                             |
|  |   |   |   | \$0.00                             |
| Total Task 7   |   |   |   | \$0.00                             |
| DTAL   |   |   |   |                                    |
| / IAL  |   |   |   | \$196.500                          |

Brown and Caldwell

Revised 12/20/2022

|         |   | ATTACHMENT E                              |  |             |                         |
|---------|---|---|--|-------------|-------------------------|
|         |   | BUDGET SUMMARY (REIMBURSABLES             |  |             |                         |
| Dol     | Back County Water Heiliting Days 4  |   |  |             |                         |
|         | m Beach County Water Utilities Department<br>ntract for Consulting/Professional Services SOUTH CO | (INT) DECLARACO MATERIA TRANSMICTOR DIOC  |  |             |                         |
|         | colution No. Contract Dated   | UNIT RECLAIMED WATER TRANSMISSION PIPE    | LINE - PHASE 2   |             |                         |
|         | Isultant Services Authorization No.: 1  |   |  |             |                         |
|         | Asultant: Pacifica Engineering Services, LLC  | 2   |  |             |                         |
|         | ject Title: <u>SOUTH COUNTY RECLAIMED WATER TRAN</u> :  | CHICCION DIDE: INE DUACE 2                |  |             |                         |
|         | CWUD Project No.: 23-053  | SWISSION PIPELINE PRASE 2                 |  |             |                         |
|         |   |   |  |             | -                       |
| ask No. | Task Name   | Reimbursable Description                  | Projected Quantity   | Unit Cost   | i Directoris California |
| ASK 1   | Project Management and Coordination   | 8.5x11 Print (color)                      | en graves near the contract of the artist during the first entitle and |             | Project Cost            |
| 73K T   | Project Management and Coordination   | Bond Copies/Color/Blueprints (22x34)      | 0  | \$1.00      | \$0.00                  |
|         |   | Bond Copies/Color/Blueprints (22x34)      | <u> </u>   | \$18.00     | \$0.00                  |
|         | Total Task 1  |   |  |             | \$0.00                  |
|         | TO(a) Task 1  |   |  |             | \$0.00                  |
|         |   |   |  |             |                         |
| ASK 2   | Field Services  | 8.5x11 Print (color)                      |  | \$1.00      | \$0.00                  |
|         |   | Bond Copies/Color/Blueprints (22x34)      | 0  | \$3.00      | \$0.00                  |
|         |   | Bond Copies/Black line/Blueprints (11x17) | 0  | \$0.30      | \$0.00                  |
|         |   | Testing                                   | 1  | \$62,025.00 | \$62,025.00             |
|         |   | Maintenance of Traffic (day)              | 15   | \$1,250.00  | \$18,750.00             |
|         | Total Task 2  |   |  |             | \$80,775.00             |
|         |   |   |  |             |                         |
| ASK 3   | Preliminary Design  | 8.5x11 Print (color)                      | 0  | \$1.00      | \$0.00                  |
|         |   |   |  |             |                         |
|         | 1   |   |  |             |                         |
|         | Total Task 3  |   |  |             | \$0.00                  |
| ASK 4   | Data it ad Data   |   |  | 1           |                         |
| ASK 4   | Detailed Design   | Bond Copies/Color/Blueprints (22x34)      | 0  | \$3.00      | \$0.00                  |
|         |   | Bond Copies/Black line/Blueprints (11x17) | 0  | \$0.30      | \$0.00                  |
|         | T_+_/ T 4   |   |  |             |                         |
|         | Total Task 4  |   |  |             | \$0.00                  |
| ASK 5   | Permitting Services   | Bond Conics/Colos/Blue-si-ts/72:24\       |  | 40.00       | 40.00                   |
| W2/ 2   | Fernitching Services  | Bond Copies/Color/Blueprints (22x34)      | 0  | \$3.00      | \$0.00                  |
|         |   |   |  |             |                         |
|         | Total Task 5  |   |  |             | \$0.00                  |
|         | 1010714343  |   |  |             | 20.00                   |
| ASK 6   | Bidding Support   | Bond Capies/Color/Blueprints (22x34)      | 0  | \$3.00      | \$0.00                  |
|         |   | Bond Copies/Black line/Blueprints (11x17) | C  | \$0.30      | \$0.00                  |
|         |   | === copico, and mile aldeprines (ALAIT)   | G  | , U.30      | \$0.00                  |
|         | Total Task 6  |   |  |             | \$0.00                  |
|         | 1000.000  |   |  |             | 70.00                   |
| ASK 7   | Outfall Design and Permitting   |   |  |             | \$0.00                  |
|         |   |   |  |             | \$0.00                  |
|         |   |   |  |             | \$0.00                  |
|         | Total Task 7  |   |  |             | \$0.00                  |
|         |   |   |  |             | 77                      |
| ROJECT  | TOTAL   |   |  | <u> </u>    | \$80,775.000            |

|   | ATTACHMENT E                              |                    |   |   |
|---|---|--------------------|---|---|
|   | BUDGET SUMMARY (REIMBURSABLES             | )                  |   |   |
|   |   |                    |   |   |
| n Beach County Water Utilities Department           |   |                    |   |   |
| tract for Consulting/Professional Services SOUTH Co | DUNTY RECLAIMED WATER TRANSMISSION PIPE   | LINE - PHASE 2     |   |   |
| plution No. Contract Dated                          |   |                    |   |   |
| sultant Services Authorization No.: 1               |   |                    |   |   |
| sultant: Keshavarz & Associates, Inc.               |   |                    |   |   |
| ect Titie: <u>SOUTH COUNTY RECLAIMED WATER TRAI</u> | NSMISSION PIPELINE PHASE 2                |                    |   |   |
| WUD Project No.: <u>23-053</u>                      |   |                    |   |   |
| Task Name   | Reimbursable Description                  | Projected Quantity | Unit Cost                               | Project Cost                            |
| Project Management and Coordination                 | 8.5x11 Print (color)                      | 0                  | \$1.00                                  | \$0.00                                  |
|   | Bond Copies/Color/Blueprints (22x34)      | 0                  | \$18.00                                 | \$0.00                                  |
|   |   |                    | , | \$0.00                                  |
| Total Task  | 1   |                    |   | \$0.00                                  |
|   |   |                    |   | 1 |
| Field Services                                      | 8.5x11 Print (color)                      | 0                  | 64.00                                   | ¢0.00                                   |
| Tiesa Services                                      | Bond Copies/Color/Blueprints (22x34)      |                    | \$1.00                                  | \$0.00                                  |
|   |   | 0                  | \$3.00                                  | \$0.00                                  |
|   | Bond Copies/Black line/Blueprints (11x17) | 0                  | \$0.30                                  | \$0.00                                  |
| Total Task  | Mileage                                   | 5470               | \$0.67                                  | \$3,664.90                              |
| TOWN TUSK ,   | £   |                    |   | \$3,664.90                              |
| Preliminary Design                                  | 8.5x11 Print (color)                      | 0                  | \$1.00                                  | \$0.00                                  |
| Total Task  | 3   |                    |   | \$0.00                                  |
| Detailed Design                                     | Bond Copies/Color/Blueprints (22x34)      | 0                  | \$3.00                                  | \$0.00                                  |
|   | Bond Copies/Black line/Blueprints (11x17) | 228                | \$0.50                                  | \$114.00                                |
|   | , , , , , , , , , , , , , , , , , , ,     |                    | γ                                       | 7217.00                                 |
| Total Task  | 4   |                    |   | \$114.00                                |
| Pipeline Permitting Services                        | Bond Copies/Color/Blueprints (22x34)      | 0                  | \$3.00                                  | \$0.00                                  |
|   |   |                    |   |   |
| Total Task  | 5   |                    |   | \$0.00                                  |
| Ridding Support                                     | Read Conice/Colon/Diversity (22, 24)      |                    | <b>A</b>                                | 4                                       |
| Bidding Support                                     | Bond Copies/Color/Blueprints (22x34)      | 0                  | \$3.00                                  | \$0.00                                  |
|   | Bond Copies/Black line/Blueprints (11x17) | . 0                | \$0.30                                  | \$0.00                                  |
| Total Task  |   |                    |   | \$0.00                                  |
| iotal iask  |   |                    |   | \$0.00                                  |
| Outfall Design and Permitting                       | Mileage                                   | 330                | \$0.67                                  | \$221.10                                |
| Overall Design Blid I CHITICHIE                     | IANICORC                                  | 350                | \$0.67                                  |   |
|   |   |                    |   | \$0.00                                  |
| Total Task  | 7   |                    |   | \$0.00                                  |
| TOTAL TUSK  | ,   |                    |   | \$221.10                                |
| OTAL  |   |                    |   | \$4,000.000                             |

|   |  | ATTACHMENT E                              |                    |            |                      |
|---|--|---|--------------------|------------|----------------------|
|   |  | BUDGET SUMMARY (REIMBURSABLES)            |                    |            |                      |
|   |  |   |                    |            |                      |
|   | m Beach County Water Utilities Department  |   |                    |            |                      |
| Co                                      | ntract for Consulting/Professional Services SOUTH CO   | UNTY RECLAIMED WATER TRANSMISSION PIPEL   | INE - PHASE 2      |            |                      |
|   | solution No. Contract Dated  |   |                    |            |                      |
| ·····                                   | nsultant Services Authorization No.: 1   |   |                    |            |                      |
|   | nsultant: Inframap Corp.   |   |                    |            |                      |
| Pro                                     | pject Title: SOUTH COUNTY RECLAIMED WATER TRAN   | SMISSION PIPELINE PHASE 2                 |                    |            |                      |
| PB                                      | CWUD Project No.: 23-053   |   |                    | •          |                      |
| Footbare.                               | COMMAND A MARKET TO COMPANY AND AND AND AND AND AND AND AND AND AND  |   |                    |            |                      |
| the state of the state of               | Task Name  | Reimbursable Description                  | Projected Quantity | Unit Cost  | Project Cost         |
| TASK 1                                  | Project Management and Coordination  | 8.5x11 Print (color)                      | 0                  | \$1.00     | \$0.00               |
|   |  | Bond Copies/Color/Blueprints (22x34)      | 0                  | \$18.00    | \$0.00               |
|   |  |   |                    |            | \$0.00               |
|   | Total Task 1   |   |                    |            | \$0.00               |
|   |  |   |                    |            |                      |
| ASK 2                                   | Field Services   | 8.5x11 Print (color)                      |                    | \$1.00     | \$0.00               |
|   |  | Bond Copies/Color/Blueprints (22x34)      | 0                  | \$3.00     | \$0.00               |
|   |  | Bond Copies/Black line/Blueprints (11x17) | 0                  | \$0.30     | \$0.00               |
|   |  | Mileage (\$/mi GSA Rate)                  | 3045               | \$0.655    | \$1,994.48           |
|   |  | Temporary Traffic Control (\$/day)        | 4                  | \$1,600.00 | \$6,400.00           |
|   | Total Task 2   |   |                    |            | \$8,394.48           |
|   |  |   |                    |            | <del>+ 1,000</del>   |
| ASK 3                                   | Preliminary Design   | 8.5x11 Print (color)                      | 0                  | \$1.00     | \$0.00               |
| *************************************** |  |   |                    |            |                      |
|   |  |   |                    |            |                      |
|   | Total Task 3   |   |                    |            | \$0.00               |
|   |  |   |                    |            |                      |
| ASK 4                                   | Detailed Design  | Bond Copies/Color/Blueprints (22x34)      | 0                  | \$3.00     | \$0.00               |
|   |  | Bond Copies/Black line/Blueprints (11x17) | 0                  | \$0.30     | \$0.00               |
|   |  |   |                    |            |                      |
|   | Total Task 4   |   |                    |            | \$0.00               |
| ASK 5                                   | Danith's Commission  |   |                    |            |                      |
| ASK 3                                   | Permitting Services  | Bond Copies/Color/Blueprints (22x34)      | 0                  | \$3.00     | \$0.00               |
|   |  |   |                    |            |                      |
|   | Total Task 5   |   |                    |            |                      |
|   | Total rask 5   |   |                    |            | \$0.00               |
| ASK 6                                   | Bidding Support  | Bond Copies/Color/Blueprints (22x34)      |                    | 60.00      | 1                    |
|   | and an appropriate the second and a second a | Bond Copies/Black line/Blueprints (22x34) | 0                  | \$3.00     | \$0.00               |
|   |  | one cohest plack lines placebulgs (TTXT)  | 0                  | \$0.30     | \$0.00               |
|   | Total Task 6   |   |                    |            | \$0.00               |
|   | 7023 7038 0  |   |                    |            | \$0.00               |
| TASK 7                                  | Outfall Design and Permitting  | Mileage (\$/mi GSA Rate)                  | 280                | \$0.655    | 6103.40              |
|   |  | Temporary Traffic Control (\$/day)        | 1                  | \$1,600.00 | \$183.40<br>\$800.00 |
|   |  | - simportary frame control (grady)        |                    | \$1,000.00 | \$800.00             |
|   | Total Task 7   |   |                    |            | \$983.40             |
|   |  |   |                    |            | - <del> </del>       |
|   | TOTAL  |   |                    |            | 1                    |

# **ATTACHMENT F**

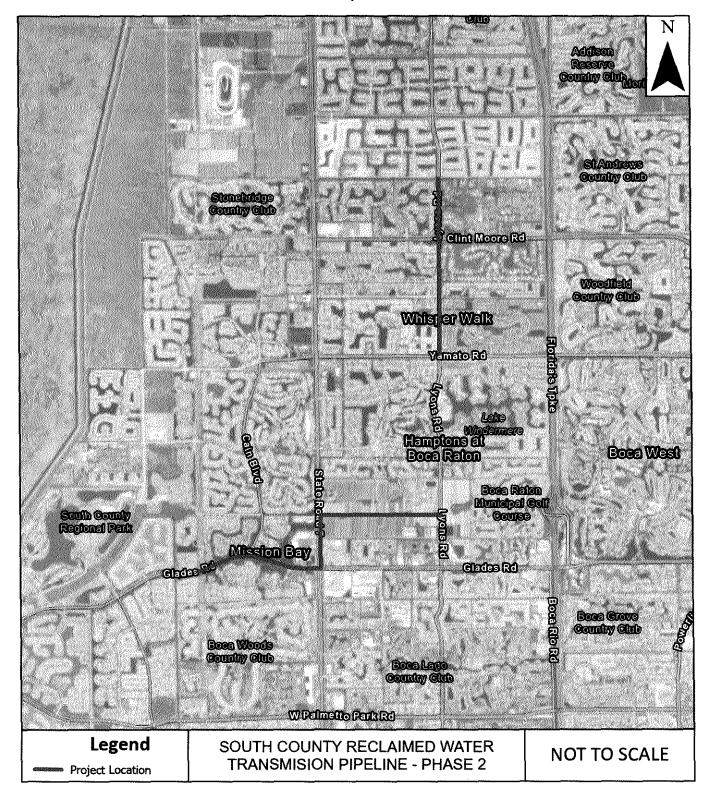
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
South County Reclaimed Water Transmission Pipeline – Phase 2
Resolution No. \_\_\_\_\_ Contract Dated \_\_\_\_\_

# SUMMARY OF SBE-M/WBE BUSINESS TRACKING

| Master Contract Goals                                | SBE:<br>43.00% | MBE:<br>16.00% | MBE<br>(B):<br>16.00% |  |
|--|----------------|----------------|-----------------------|--|
|  |                |                |                       |  |
| Current Proposal                                     |                |                |                       |  |
| Value of Authorization No. 1                         | \$2,68,156.41  |                |                       |  |
| Value of SBE-M/WBE Letters of Intent                 | \$1,083,430.96 | \$691,308.62   | \$423,014.87          |  |
| Actual Percentage                                    | 40.60%         | 25.91%         | 15.85%                |  |
| Signed/Approved Authorizations                       |                |                |                       |  |
| Total Value of Authorizations                        | \$0.00         |                |                       |  |
| Total Value of SBE-M/WBE Signed                      | \$0.00         | \$0.00         | \$0.00                |  |
| Subcontractors                                       |                |                |                       |  |
| Actual Percentage                                    | 0.00%          | 0.00%          | 0.00%                 |  |
| Signed/Approved Authorizations Plus Current Proposal |                |                |                       |  |
| Total Value of Authorization                         | \$2,68,156.41  |                |                       |  |
| Total Value of Subcontractors & Letters of Intent    | \$1,083,430.96 | \$691,308.62   | \$423,014.87          |  |
| Actual Percentage                                    | 40.60%         | 25.91%         | 15.85%                |  |

#### **ATTACHMENT G**

#### **LOCATION MAP**



# **ATTACHMENT H Drawing List**

# PBC Project No. 22-053

# South County Reclaimed Water Transmission Pipeline Phase 2

## Pipeline Design

- 1. Cover Sheet
- 2. General Notes
- 3. Survey Control Plan
- Project Area Key Map
   Pipeline Overview
- 6. Proposed Conditions Plan & Profile Sheets
- 7. Proposed Profiles for Directional Drilling Locations
- 8. Pavement Restoration and Marking Plan
- 9. General Detail Sheets
- 10. PBCWUD Standard Details

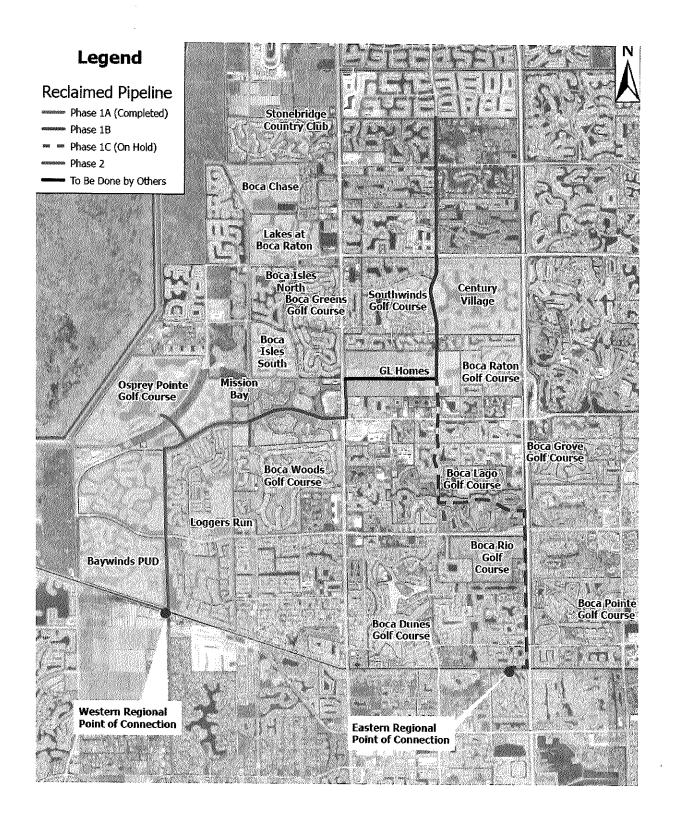
### **Pump Station Design**

- 1. Cover Sheet
- 2. General Notes
- 3. Sheet Index 1
- 4. Sheet Index 2
- 5. Symbols and Legends6. Process Flow Diagram Phase 1
- 7. Process Flow Diagram Phase 2
- 8. Hydraulic Profile
- 9. Construction Area, Laydown, Storage and Site Access Overall Site Plan
- 10. Construction Sequencing 1
- 11. Construction Sequencing 2
- 12. Pump Station 3D Views
- 13. Survey Control Plan (6 sheets with 2 viewports of 1" = 40' scale)
- 14. Existing Conditions
- 15. Stormwater Pollution Prevention Plan
- 16. Site Plan
- 17. Paving, Grading, and Drainage
- 18. Utility Connections
- 19. Vehicle Routing
- 20. Civil Details
- 21. Tree Disposition Plan & Tree Inventory
- 22. Tree Mitigation Calculations
- 23. Tree Notes & Details
- 24. Landscape Plan & Mitigation Tabulations
- 25. Landscape Notes & Details
- 26. Irrigation Plan
- 27. Irrigation Notes & Details
- 28. Fire Protection Design Documents

- 29. Plumbing Design Documents
- 30. HVAC Design Documents
- 31. Electrical Engineering
- 32. Structural Engineering
- 33. Codes, Notes, Standards
- 34. Architectural Door and Window Schedules / Details
- 35. Floor Plan
- 36. Architectural Reflected Ceiling Plan
- 37. Architectural Roof Plan
- 38. Exterior Elevations39. Building and Wall Sections
- 40. Building Sections
- 41. Wall Sections
- 42. Finish Schedule and Details
- 43. Architectural Details

## **ATTACHMENT 3**

## **Location Map**



# **ATTACHMENT NO. 4**



## Palm Beach County **Compliance Summary Report**

| Vendor Number | Vendor Name                        | AM Best Rating | Insurance<br>Carrier                               | Policy #        | Eff. Date | Exp. Date | Coverage               | Contract Number | Contract Name   |
|---------------|------------------------------------|----------------|--|-----------------|-----------|-----------|------------------------|-----------------|---|
| DX00002751    | Chen Moore and Associates,<br>Inc. | Modified       | Compliant  |                 |           |           |                        | 22-033          | Contract for<br>Consulting/Professional<br>Services South County<br>Reclaimed Water<br>Transmission Pipeline -<br>Phase 2 |
|               |                                    | A++g , XV      | Travelers Casualty Insurance<br>Company of America | BA2W1500872447G | 1/1/2024  | 1/1/2025  | Auto Liability         |                 |   |
|               |                                    | Ar , XV        | Crum & Forster Specialty<br>Insurance Company      | EFX124401       | 1/1/2024  | 1/1/2025  | Excess Liability       |                 |   |
|               |                                    | Ar , XV        | Crum & Forster Specialty<br>Insurance Company      | EPK146345       | 1/1/2024  | 1/1/2025  | General Liability      |                 |   |
|               |                                    | Ar , XV        | Crum & Forster Specialty<br>Insurance Company      | EPK146345       | 1/1/2024  | 1/1/2025  | Professional Liability |                 |   |
|               |                                    | A++g , XV      | Travelers Casualty and Surety Company              | UB2W1488912447G | 1/1/2024  | 1/1/2025  | Workers Comp           |                 |   |

Risk Profile:

Standard - Professional Services

Required Additional Insured: Palm Beach County Board of County Commissioners

Ownership Entity: