

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2024	2025	2026	2027	2028
Capital Expenditures	\$2,668,157		0	0	0
Operating Costs	0	0	0	0	0
External Revenues	(\$2,668,157)	0	0	0	0
Program Income (County)	0	0	0	0	0
In-Kind Match County	0	0	0	0	0
NET FISCAL IMPACT	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	0	0	0	0	0

Budget Account No.: Fund 4011 Dept 721 Unit W039 Object 6543

Is Item Included in Current Budget? Yes X No

Is this item using Federal Funds? Yes No X

Is this item using State Funds? Yes No X

Reporting Category N/A

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

All project cost will be reimbursed by Broward County

C. Department Fiscal Review: Joony Soreman GE

III. REVIEW COMMENTS

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

Lisa M... 3/10/2024
OFMB JA 210
Mar 31/6

Brenda P... 3/14/24
Contract Development and Control
Feb 3/13/24

B. Legal Sufficiency:

[Signature] 3/15/24
Assistant County Attorney

C. Other Department Review:

Department Director

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

**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/liason during the performance of this Contract shall be **Krystin Berntsen, P.E., PMP**, and telephone no. **561-493-6000**.

The CONSULTANT's representative/liason 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. Final Invoice: 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 <https://pbcvssp.co.palmbeach.fl.us/webapp/vssp/AltSelfService>. 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-in-negotiation 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 not 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. **Commercial General Liability** 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. **Worker's Compensation Insurance & Employers Liability** 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. **Waiver of Subrogation** 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. **Umbrella or Excess Liability** 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.

ARTICLE 29 - REGULATIONS: LICENSING REQUIREMENTS

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 WUDRECORDSREQUEST@PBCWATER.COM 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
BOARD OF COUNTY COMMISSIONERS**

By: _____
Deputy Clerk

By: _____
Maria Sachs, Mayor

D8
02/13/2024

WITNESS:

Neil Allen
Signature

Mike Albert
Name (type or print)

Brent Whitfield
Signature

Brent Whitfield
Name (type or print)

CONSULTANT:

Chen Moore and Associates, Inc.
Company Name

Suzanne Dombrowski
Signature

Suzanne Dombrowski, P.E., ENV SP
Typed Name

Principal Engineer
Title

**APPROVED AS TO FORM
AND LEGAL SUFFICIENCY**

By: _____
County Attorney

(corp. seal)

**APPROVED AS TO TERMS
AND CONDITIONS**

By: Ali Bayat
Department Director

500 S. Australian Ave., Suite 850
West Palm Beach, FL 33401
Office: +1 (561) 746-6900



January 10, 2024

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

Mrs. Krystin Berntsen, P.E., PMP
Deputy Director
Palm Beach County Water Utilities Department
8100 Forest Hill Boulevard
West Palm Beach, FL 33416

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 pmoore@chenmoore.com.

Respectfully submitted,

A handwritten signature in black ink, appearing to be 'P. Moore', written over a horizontal line.

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
C	Hourly Raw Labor Rates and Justification of Contract Multiplier
D	OEBO Schedules: Schedule 1 – List of Proposed Contractor/Consultant and 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

Summary

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 _____

Project Title: _____

PBCWUD Project No.: _____

Consultant: _____

Address: _____

Budget Line Item No.: _____ - _____ - _____ - _____

District No.: _____

This Consultant Services Authorization provides for: _____

(See ATTACHMENT A for detailed scope of services)

The Contract provides for _____% SBE participation, which includes _____% M/WBE participation, _____% MBE (), _____% MBE (), and _____% WBE. This Consultant Services Authorization includes _____% overall participation which includes, _____% M/WBE participation, _____% MBE (), _____% MBE (), and _____% WBE. The cumulative SBE participation, including this Consultant Services Authorization is _____%, which includes _____% M/WBE participation, _____% MBE (), _____% MBE (), and _____% WBE.

1. Services completed by the Consultant to date :

See ATTACHMENT B.

2. Consultant shall begin work upon receipt of Notice to Proceed correspondence.

3. The compensation to be paid to the Consultant for providing the requested services shall be:

A. Computation of time charges plus expenses, not to exceed \$ _____

B. Fixed price of \$ _____

C. Total \$ _____

4. This 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.

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.: _____

5. SBE participation is included in **ATTACHMENT C** under this Authorization. The attached Schedule 1 defines the SBE applied to this Authorization and Schedule 2 establishes the SBE contribution from each Sub-Consultant (Letter of Intent).
6. This Authorization does not amend, change, or modify the Contract dated _____ 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. _____
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 Authorization is accepted, subject to the terms, conditions and obligations of the aforementioned Contract.

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

Palm Beach County Water
Utilities Department

Ali Bayat, P.E., PMP, Director

(Date)

(Consultant)

(Print Name)

(Signature)

(Title)

(Date)

STATE OF FLORIDA

COUNTY OF _____

The foregoing instrument was acknowledged before me by means of physical presence or 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, or 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 Authorization is accepted, subject to the terms, conditions and obligations of the aforementioned Contract.

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

Palm Beach County
Contract Review Committee

Irwin L. Jacobowitz, J.D.
Director, Contract Development & Control

(Date)

(Consultant)

(Print Name)

(Signature)

(Title)

(Date)

STATE OF FLORIDA

COUNTY OF _____

The foregoing instrument was acknowledged before me by means of physical presence or 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, or 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 Authorization is accepted, subject to the terms, conditions and obligations of the aforementioned Contract.

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

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

Palm Beach County, Board
of County Commissioners

ATTEST:

Signed: _____

Signed: _____
Maria Sachs, Mayor

Typed Name: _____
Deputy Clerk

(Date)

Approved as to Form and Legal
Sufficiency

(Consultant)

Signed: _____

(Print Name)

Typed Name: Michael W. Jones
County Attorney

(Signature)

(Title)

(Date)

STATE OF FLORIDA

COUNTY OF _____

The foregoing instrument was acknowledged before me by means of physical presence or 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, or 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 _____

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

ATTACHMENT A

SCOPE OF SERVICES

PBCWUD Project No.: _____

Project Title: _____

CONSULTANT shall perform:

Revised 12/20/2022

ATTACHMENT B

SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

Auth. No.	PBCWUD Project No.	Title	Status	Project Total Amount	SBE Total Amount	SBE Participation %	Approved	
							By	Date

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

**ATTACHMENT E
BUDGET SUMMARY**

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services [INSERT CONTRACT NAME]
Resolution No. _____ Contract Dated _____
Consultant Services Authorization No.: _____
Consultant: _____
Project Title: _____
PBCWUD Project No.: _____

Task Number	Task Description	Labor Classification and Hourly Rate						Total Labor	Sub Consultant Services
	Subtotal				0	0	0	\$ -	
	Labor Subtotal Hours	0	0	0	0	0	0	\$ -	
	Labor Raw Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Labor Multiplier								
	Labor Sub Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Labor Total	\$ -							
	Sub Consultant Labor Total	\$ -							
	Sub Consultant Multiplier								
	Subcontract Total	\$ -							
	Project Total	\$ -							

ATTACHMENT E BUDGET SUMMARY

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services [INSERT CONTRACT NAME]
Resolution No. _____ Contract Dated _____
Consultant Services Authorization No.: _____
Consultant: _____
Sub-Consultant: _____
Project Title: _____
PBCWUD Project No.: _____

		Labor Classification and Hourly Rate							
Task Number	Task Description						Total Labor	Sub Consultant Services	
	Subtotal				0	0	0	\$ -	
	Labor Subtotal Hours	0	0	0	0	0	0	\$ -	
	Labor Raw Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Labor Multiplier								
	Labor Sub Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Labor Total	\$ -							
	Sub Consultant Labor Total	\$ -							
	Sub Consultant Multiplier								
	Subcontract Total	\$ -							
	Project Total	\$ -							

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: %	M/WBE: %	MBE (Category): %	MBE (Category): %
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.**

<u>Title</u>	<u>Minimum Hourly Raw Labor Rate</u>	<u>Maximum Hourly Raw Labor Rate</u>
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

*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

Title	Hourly Raw Labor Rates \$/hr	
	(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 Hourly (\$/hr)	Multiplier	Maximum Hourly Rate (\$/hr)
BFA	Principal Hydrogeologist	\$75.00	2.82	\$211.50
BFA	Senior Water Resources 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	CAD V	\$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	CAD I	\$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 Hourly (\$/hr)	Multiplier	Maximum Hourly Rate (\$/hr)
BFA	Hydrogeologist III	\$40.00	2.82	\$112.80
BFA	Hydrogeologist II	\$32.00	2.82	\$90.24
BFA	Hydrogeologist 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 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 %

	<u>RAW LABOR</u>		<u>BURDENED LABOR</u>
	<u>RATE</u>	<u>MULTIPLIER</u>	<u>RATE</u>
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

**Rounded multiplier down to nearest whole number.

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

Respectfully,



Donald Swinarski, CPA



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 (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 RATE (\$/HR)	X	MULTIPLIER	=	BILLING RATE (\$/HR)
			3.00		
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		\$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%) x 10%) = 27.27%
 MULTIPLIER = (HOURLY RATE + OVERHEAD + FRINGE + OPERATING MARGIN)/HOURLY RATE
 = (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	\$266.11
Project Manager	\$79.79	2.99	\$238.57
Professional Engineer	\$62.63	2.99	\$187.26
Lead Engineer	\$52.28	2.99	\$156.32
Senior Designer	\$45.67	2.99	\$136.55
CADD/Technician	\$39.24	2.99	\$117.33
Construction Coordinator	\$49.94	2.99	\$149.32
Lead Field Inspector	\$46.29	2.99	\$138.41
Administrative Assistant	\$26.17	2.99	\$78.25



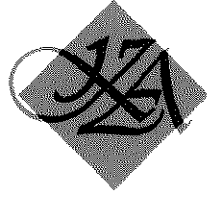
Justification of Multiplier:

Job Title	Raw Rate	Multiplier	Hourly Rate Charged
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

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

Employee Names	Employee's Hourly Rate	Job Title	Combined Raw Rate
Lee Reumann, PSM	\$ 56.60	PSM/PE	\$ 66.76
Jimmy Stewart, PE	\$ 76.92		
Andres Garcia	\$ 43.26	Senior Utility Location Manager	\$ 43.26
Spencer Duttlinger	\$ 31.00	Utility Location Manager/Party Chief	\$ 30.25
Dalton Lozada	\$ 29.50		
David Clayton	\$ 25.00	Technical Locator/Instrument Op.	\$ 25.00
Marlon Parker	\$ 23.00		
Timothy Johnson	\$ 24.00		
Vincent Tinnirella	\$ 28.00		
Oscar Cruz	\$ 31.00	CADD Technician	\$ 35.00
Lana Czuczuk	\$ 39.00		
Vee Young	\$ 27.71	Administrative	\$ 27.71

*OH Rate used is the FDOT 2021 audited OH rate for InfraMap.



KESHAVARZ
— & ASSOCIATES —
CIVIL ENGINEERING | SURVEYING | CONSULTING

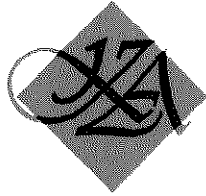
**Palm Beach County Water Utilities Department
South County Reclaimed Water Main - Phase 2
WUD Project No. 22-033**

<u>PERSONNEL CLASSIFICATION</u>	<u>RAW RATE</u>	<u>MULTIPLIER</u>	<u>LOADED RATE</u>
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	
MARKUP @ 10%	<u>0.29</u>	
TOTAL	3.22	CAPPED AT 3.00

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).



KESHAVARZ
— & ASSOCIATES —
CIVIL ENGINEERING | SURVEYING | CONSULTING

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

<i>Reimbursable Expenses</i>	<i>Rates</i>
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 by Vendor
Deliveries	As Invoiced by Vendor
Other Supplies	As Invoiced by Vendor

711 N Dixie Hwy Suite #201, West Palm Beach, FL 33401 Tel: (561) 689-8600
Keshavarz.com



June 26, 2023

**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:	<u>0.38</u>
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/ Branch Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
138.36%*	0.121%	Reimbursed	No	9.96%

*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



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 Testing
 - 9.4.1 - 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 June 30, 2024, for contracting purposes.

Approved Rates

Home/ Branch Overhead	Premium Overtime	Reimburse Actual Expenses	Home Direct 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

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 comply 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 licensed architect, 20+ years experience	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	Senior Arch / Int	114,330
Sr. Interior Designer	Degreed, 15+ years experience	104,000	50.00	2.99	149.50	Senior 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 Reclaimed Water Transmission Pipeline Phase 2

SOLICITATION/PROJECT/BID NO.: 22-033

SOLICITATION OPENING/SUBMITTAL DATE: _____

COUNTY DEPARTMENT: Water Utilities Department

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

NAME OF PRIME RESPONDENT/BIDDER: Chen Moore and Associates, Inc.

ADDRESS: 500 Australian Avenue South, Suite 850, West Palm Beach FL 33401

CONTACT PERSON: Suzanne Dombrowski, P.E., ENV SP

PHONE NO.: 561-746-6900

E-MAIL: sdombrowski@chenmoore.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: 33.00%

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

Non-SBE	MBE	WBE	SBE
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Subcontractor/Sub consultant Name	(Check all Applicable Categories)				DOLLAR AMOUNT OR PERCENTAGE OF WORK					
	Non-SBE	MBE	WBE	SBE	Black	Hispanic	Women	Caucasian	Asian	Other
		Minority Business	Women Business	Small Business						
1. Barnes, Ferland and Associates, Inc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>2.00%</u>	_____	_____	_____	_____	_____
2. Brown and Caldwell (Corporation)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	<u>13.00%</u>	_____	_____
3. C&W Engineering, Inc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	<u>2.00%</u>	_____	_____
4. Engineered Design Services LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>8.00%</u>	_____	_____	_____	_____	_____
5. HBC Engineering Company	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>3.00%</u>	_____	_____	_____	_____	_____

(Please use additional sheets if necessary)

Total _____

Total Bid/Offer Price \$ See sheet 3

Total Certified S/M/WBE Participation \$ See sheet 3

I hereby certify that the above information is accurate to the best of my knowledge: Suzanne Dombrowski, P.E.  Principal Engineer

Name & Authorized Signature Title

- Note:**
- 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.
 - 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.
 - 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.: 22-033

SOLICITATION OPENING/SUBMITTAL DATE: _____

COUNTY DEPARTMENT: Water Utilities Department

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

NAME OF PRIME RESPONDENT/BIDDER: Chen Moore and Associates, Inc.

ADDRESS: 500 Australian Avenue South, Suite 850, West Palm Beach FL 33401

CONTACT PERSON: Suzanne Dombrowski, P.E., ENV SP

PHONE NO.: 561-746-6900

E-MAIL: sdombrowski@chenmoore.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: 33.00%

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

Non-SBE
 MBE
 WBE
 SBE

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

Subcontractor/Sub consultant Name	(Check all Applicable Categories)				DOLLAR AMOUNT OR PERCENTAGE OF WORK					
	Non-SBE	MBE	WBE	SBE	Black	Hispanic	Women	Caucasian	Asian	Other
		Minority Business	Women Business	Small Business						
1. Hillers Electrical Engineering, Inc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	_____	<u>3.00%</u>	_____
2. Inframap Corp.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____	<u>1.00%</u>
3. Keshavarz & Associates, Inc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	_____	<u>22.00%</u>	_____
4. LB Limited and Associates, Inc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>1.00%</u>	_____	_____	_____	_____	_____
5. Pacifica Engineering Services, LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>2.00%</u>	_____	_____	_____	_____	_____

(Please use additional sheets if necessary)

Total _____

Total Bid/Offer Price \$ See sheet 3

Total Certified S/M/WBE Participation \$ See sheet 3

I hereby certify that the above information is accurate to the best of my knowledge: Suzanne Dombrowski, P.E.  Principal Engineer

Name & Authorized Signature Title

- Note:**
- 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.
 - 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.
 - 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.: 22-033

SOLICITATION OPENING/SUBMITTAL DATE: _____

COUNTY DEPARTMENT: Water Utilities Department

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

NAME OF PRIME RESPONDENT/BIDDER: Chen Moore and Associates, Inc. ADDRESS: 500 Australian Avenue South, Suite 850, West Palm Beach FL 33401

CONTACT PERSON: Suzanne Dombrowski, P.E., ENV SP PHONE NO.: 561-746-6900 E-MAIL: sdombrowski@chenmoore.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: 33.00%
 *SMWBE Prime's must include their percentage or dollar amount in the Total Participation line under section B.

Non-SBE MBE WBE SBE

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

Subcontractor/Sub consultant Name	(Check all Applicable Categories)				DOLLAR AMOUNT OR PERCENTAGE OF WORK						
	Non-SBE	MBE	WBE	SBE	Black	Hispanic	Women	Caucasian	Asian	Other	
		Minority Business	Women Business	Small Business							
1. PGAL, Inc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____	<u>2.00%</u>	
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____	_____	
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____	_____	
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____	_____	
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____	_____	
(Please use additional sheets if necessary)					Total	<u>16.00%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>48.00%</u>	<u>25.00%</u>	<u>3.00%</u>

Total Bid/Offer Price \$ _____

Total Certified S/M/WBE Participation \$ 43.00%

I hereby certify that the above information is accurate to the best of my knowledge: Suzanne Dombrowski, P.E. Principal Engineer
 Name & Authorized Signature _____ Title _____

- Note:**
- 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.
 - 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.
 - Modification of this form is not permitted and will be rejected upon submittal.

OEBO LETTER OF INTENT – SCHEDULE 2

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

SOLICITATION/PROJECT NUMBER: 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)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 8/7/23-8/6/26

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input checked="" type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

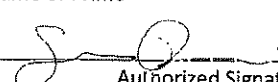
S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or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

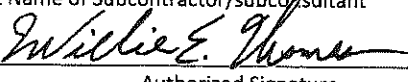
Line Item	Item Description	Unit Price	Quantity/Units	Contingencies/Allowances	Total Price/Percentage
1	Subsurface Utility Engineering (SUE) Services	TBD	1	None	2.00%

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 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Suzanne Dombrowski, P.E., ENV SP
 Print Name
Principal Engineer
 Title
 Date: 2/2/2024

Barnes, Ferland and Associates, Inc.
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
Willie E. Thomas, PE
 Print Name
President
 Title
 Date: 2/2/2024

OEBO LETTER OF INTENT – SCHEDULE 2

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

SOLICITATION/PROJECT NUMBER: 22-033

SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2

Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: Brown and Caldwell (Corporation)

(Check box(s) that apply)

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

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

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

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
8.02, 8.04	Mechanical Systems, Engineering-Wastewater, Mechanical Engineering-Water, Collection Distribution	TBD	1	None	13.00%

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: 13.00%

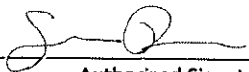
If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

N/A Price or Percentage: N/A

Name of 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.

Print Name of Prime

By: 

Authorized Signature

Suzanne Dombrowski, P.E., ENV SP

Print Name

Principal Engineer

Title

Date: 2/5/2024

Brown and Caldwell (Corporation)

Print Name of Subcontractor/subconsultant

By: 

Authorized Signature

Matthew Schultz

Print Name

Vice President

Title

Date: 2/5/2024

OEBO LETTER OF INTENT – SCHEDULE 2

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

SOLICITATION/PROJECT NUMBER: 22-033

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) 1/9/2023 to 1/8/2026
 SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): _____

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

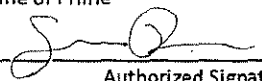
S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or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

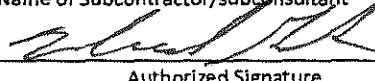
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
9.03	Electrical Engineering-Industrial Facilities	TBD	1	None	2.00%

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 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Suzanne Dombrowski, P.E., ENV SP
 Print Name
Principal Engineer
 Title
 Date: 2/5/2024

C & W Engineering, Inc.
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
Michael Guida
 Print Name
President
 Title
 Date: 2-5-24

OEBO LETTER OF INTENT – SCHEDULE 2

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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
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input checked="" type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	<input type="checkbox"/> Caucasian American <input type="checkbox"/> Supplier

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

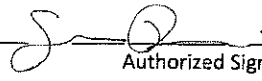
Line Item	Item Description	Unit Price	Quantity/Units	Contingencies/Allowances	Total Price/Percentage
9.03, 10.03	Electrical, Structural Engineering-Industrial, Engineering-Industrial Facilities	TBD	1	None	8.00%

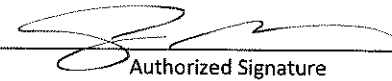
The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: 8.00%

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 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Suzanne Dombrowski, P.E., ENV SP
 Print Name
Principal Engineer
 Title
 Date: 2/5/2024

Engineered Design Services LLC
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
Craig McKenzie, P.E.
 Print Name
Manager
 Title
 Date: 2/5/2024

OEBO LETTER OF INTENT – SCHEDULE 2

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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
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input checked="" type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	<input type="checkbox"/> Caucasian American <input type="checkbox"/> Supplier


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


Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Civil Engineering Services	TBD	1	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 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Suzanne Dombrowski, P.E., ENV SP
 Print Name
Principal Engineer
 Title
 Date: 2/5/2024

HBC Engineering Company
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
Edgardo Diaz, MS, PE, PSM
 Print Name
Vice-President
 Title
 Date: February 5, 2024

OEBO LETTER OF INTENT – SCHEDULE 2

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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)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10/17/21 to 10/16/24

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input checked="" type="checkbox"/> Asian American <input type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

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


Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
9.03	Electrical Engineering-Industrial Facilities	TBD	1	None	3.00%

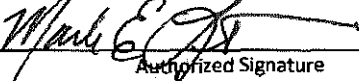
The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: 3.00%

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 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Suzanne Dombrowski, P.E., ENV SP
 Print Name
Principal Engineer
 Title
 Date: 2/5/2024

Hillers Electrical Engineering, Inc.
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
Mark Luther
 Print Name
Senior Vice President
 Title
 Date: 02/05/2024

OEBO LETTER OF INTENT – SCHEDULE 2

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

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

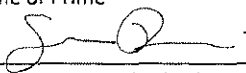
S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or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

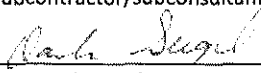
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Subsurface Utility Engineering (SUE) Services	TBD	1	None	1.00%

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: 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.

N/A Price or Percentage: N/A
 Name of 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Suzanne Dombrowski, P.E., ENV SP
 Print Name
Principal Engineer
 Title
 Date: 2/2/2024

InfraMap Corp.
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
Darlene Siegel, CPA, CGMA, MBA
 Print Name
Chief Financial Officer
 Title
 Date: 2/2/2024

OEBO LETTER OF INTENT – SCHEDULE 2

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SOLICITATION/PROJECT NUMBER: 22-033

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)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10/4/22 to 10/3/25

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input checked="" type="checkbox"/> Asian American <input type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

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

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
5.01, 5.02	Topography-Land Surveying, Topography-Engineering Surveying	TBD	1	None	22.00%
8.02, 8.04	Mechanical Engineering - Waterwater Collection System,				
	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.

N/A Price or Percentage: N/A

Name of 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.
 Print Name of Prime
 By: [Signature]
 Authorized Signature
Suzanne Dombrowski, P.E., ENV SP
 Print Name
Principal Engineer
 Title
 Date: 2/5/2024

Keshavarz & Associates, Inc.
 Print Name of Subcontractor/subconsultant
 By: [Signature]
 Authorized Signature
Amir J. Keshavarz, P.E.
 Print Name
Managing Director
 Title
 Date: 2/5/2024

OEBO LETTER OF INTENT – SCHEDULE 2

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

SOLICITATION/PROJECT NUMBER: 22-033
 SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2

Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: PGAL, Inc.

(Check box(s) that apply)
 SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): N/A

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

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


Line Item	Item Description	Unit Price	Quantity/Units	Contingencies/Allowances	Total Price/Percentage
7.01-05	Architectural-Architect	2.00%	1	None	2.00%

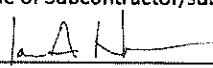
The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: 2.00%

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: _____

Name of 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
 Suzanne Dombrowski, P.E., ENV SP
 Print Name
Principal Engineer
 Title
 Date: 12-13-2023

PGAL, Inc.
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
 Ian A. Nestler AIA, LEED AP
 Print Name
Executive Vice President
 Title
 Date: 12-13-2023

OEBO LETTER OF INTENT – SCHEDULE 2

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

SOLICITATION/PROJECT NUMBER: 22-033

SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2

Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: L.B. Limited and Associates, Inc.

(Check box(s) that apply)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 1/26/23 to 1/25/26

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input checked="" type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	<input type="checkbox"/> Caucasian American <input type="checkbox"/> Supplier

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

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Public Outreach Services	TBD	1	None	1.00%

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: 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.

N/A Price or Percentage: N/A

Name of 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.

Print Name of Prime

By: 
Authorized Signature

Suzanne Dombrowski, P.E., ENV SP

Print Name

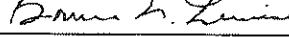
Principal Engineer

Title

Date: 2/5/2024

L.B. Limited and Associates, Inc.

Print Name of Subcontractor/subconsultant

By: 
Authorized Signature

Bruce N. Lewis

Print Name

President

Title

Date: 2/5/2024

OEBO LETTER OF INTENT – SCHEDULE 2

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

SOLICITATION/PROJECT NUMBER: **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)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10-25-21 to 10-24-24

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input checked="" type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input type="checkbox"/> Caucasian American <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	<input type="checkbox"/> Supplier


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

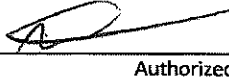
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
6.01, 6.06	Soils, Foundation and Material Testing-Geological and Geophysical Studies, Soils, Foundation and Material Testing-Material Testing	TBD	1	None	2.00%

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 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Suzanne Dombrowski, P.E., ENV SP
 Print Name
Principal Engineer
 Title
 Date: 2/5/2024

Pacifica Engineering Services, LLC
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
Wesley Foster
 Print Name
President
 Title
 Date: 02/02/2024

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 NEW 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

_____ 15% (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 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 _____

Project Title: South County Reclaimed Water Transmission Pipeline – Phase 2

PBCWUD Project No.: 23-053

Consultant: Chen Moore and Associates, Inc.

Address: 500 South Australian Avenue, Suite 850, West Palm Beach, FL 33401

Budget Line Item No.: 4011-721-W039-6543

District No.: 5

This Consultant Services Authorization provides for: professional consulting services to perform design, permitting and bidding support services associated with the construction of approximately 4 miles of 24-inch reclaimed water pipeline, reclaimed water pump station and related facilities.

(See ATTACHMENT A for detailed scope of services)

The Contract provides for 43.00% SBE participation, which includes 16.00% MBE participation, and 16.00% MBE (B). This Consultant Services Authorization includes 40.60% overall participation which includes, 25.91% MBE participation, and 15.85% MBE (B). The cumulative SBE participation, including this Consultant Services Authorization is 40.60%, which includes 25.91% MBE participation, 15.85% MBE (B).

1. Services completed by the Consultant to date :
See ATTACHMENT B.
2. Consultant shall begin work upon receipt of Notice to Proceed correspondence.
3. The compensation to be paid to the Consultant for providing the requested services shall be:
 - 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. This 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.

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 _____

Project Title: South County Reclaimed Water Transmission Pipeline – Phase 2

PBCWUD Project No.: 23-053

5. SBE participation is included in **ATTACHMENT C** under this Authorization. The attached Schedule 1 defines the SBE applied to this Authorization and Schedule 2 establishes the SBE contribution from each Sub-Consultant (Letter of Intent).
6. This Authorization does not amend, change, or modify the Contract dated _____ 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 _____

Project Title: South County Reclaimed Water Transmission Pipeline – Phase 2

PBCWUD Project No.: 23-053

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

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

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

Palm Beach County, Board
of County Commissioners

ATTEST:

Signed: _____

Signed: _____

Maria Sachs, Mayor

MB

DS
02/01/2024

Typed Name: _____
Deputy Clerk

(Date)

Approved as to Form and Legal
Sufficiency

Chen Moore and Associates, Inc.
(Consultant)

Signed: _____

Suzanne Dombrowski, P.E., ENV SP
(Print Name)

Typed Name: Michael W. Jones
County Attorney

(Signature)

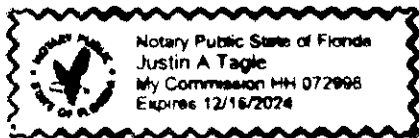
Principal Engineer
(Title)

2/12/2024
(Date)

STATE OF FLORIDA
COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me by means of physical presence or online notarization, this 12 day of February, 2024, by Suzanne Dombrowski, who is personally known to me or has produced _____ as identification.

(Signature of Notary Public - State of Florida)



Justin Tagle
(Print, Type, or Stamp Commissioned Name of Notary Public)

500 S. Australian Ave., Suite 850
West Palm Beach, FL 33401
Office: +1 (561) 746-6900



January 10, 2024

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

Mrs. Krystin Berntsen, P.E., PMP
Deputy Director
Palm Beach County Water Utilities Department
8100 Forest Hill Boulevard
West Palm Beach, FL 33416

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 pmoore@chenmoore.com.

Respectfully submitted,

A handwritten signature in black ink, appearing to be 'Peter Moore', written over a horizontal line.

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 _____

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
ATTACHMENT H	Sheet List

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*
 - *Plan Letter sized – Electronic PDF*
- *30% Design Submittal*
 - *Revised BODR Letter sized - Electronic PDF*
 - *Plan Sheets: 22" x 34" Plans – Electronic PDF*
 - *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*
 - *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*
 - *Technical Specifications: Letter sized (Six (6) – Hard Copies) and Electronic PDF*
 - *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*
 - *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.
4. 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 C

OEBO SCHEDULE 1

Office of Equal Business Opportunity Compliance Programs

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: _____

COUNTY DEPARTMENT: Water Utilities Department

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

NAME OF PRIME RESPONDENT/BIDDER: Chen Moore and Associates, Inc. ADDRESS: 500 Australian Avenue South, Suite 850, West Palm Beach FL 33401

CONTACT PERSON: Suzanne Dombrowski, P.E., ENV SP PHONE NO.: 561-746-6900 E-MAIL: sdombrowski@chenmoore.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: \$674,960.58

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

Non-SBE MBE WBE SBE

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

Subcontractor/Sub consultant Name	(Check all Applicable Categories)				DOLLAR AMOUNT OR PERCENTAGE OF WORK					
	Non-SBE	MBE	WBE	SBE	Black	Hispanic	Women	Caucasian	Asian	Other
		Minority Business	Women Business	Small Business						
1. Barnes, Ferland and Associates, Inc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$15,284.40	_____	_____	_____	_____	_____
2. Brown and Caldwell (Corporation)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	\$667,511.22	_____	_____
3. C&W Engineering, Inc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	\$106,347.94	_____	_____
4. Engineered Design Services LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$243,788.16	_____	_____	_____	_____	_____
5. HBC Engineering Company	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$74,999.31	_____	_____	_____	_____	_____

(Please use additional sheets if necessary)

Total _____

Total Bid/Offer Price \$ See sheet 3

Total Certified S/M/WBE Participation \$ See sheet 3

I hereby certify that the above information is accurate to the best of my knowledge: Suzanne Dombrowski, P.E. Principal Engineer
 Name & Authorized Signature _____ Title _____

- Note:**
- 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.
 - 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.
 - 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: _____

COUNTY DEPARTMENT: Water Utilities Department

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

NAME OF PRIME RESPONDENT/BIDDER: Chen Moore and Associates, Inc. ADDRESS: 500 Australian Avenue South, Suite 850, West Palm Beach FL 33401

CONTACT PERSON: Suzanne Dombrowski, P.E., ENV SP PHONE NO.: 561-746-6900 E-MAIL: sdombrowski@chenmoore.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: \$674,960.58

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

Non-SBE MBE WBE SBE

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

Subcontractor/Sub consultant Name	(Check all Applicable Categories)				DOLLAR AMOUNT OR PERCENTAGE OF WORK					
	Non-SBE	MBE	WBE	SBE	Black	Hispanic	Women	Caucasian	Asian	Other
		Minority Business	Women Business	Small Business						
1. Hillers Electrical Engineering, Inc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	_____	\$100,158.15	_____
2. Inframap Corp.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____	\$113,578.17
3. Keshavarz & Associates, Inc. (Surveying)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	_____	\$270,490.00	_____
4. Keshavarz & Associates, Inc. (Engineering)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	_____	\$183,420.00	_____
5. Pacifica Engineering Services, LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$88,943.00	_____	_____	_____	_____	_____

(Please use additional sheets if necessary)

Total _____

Total Bid/Offer Price \$ See sheet 3

Total Certified S/M/WBE Participation \$ See sheet 3

I hereby certify that the above information is accurate to the best of my knowledge: Suzanne Dombrowski, P.E.  Principal Engineer

Name & Authorized Signature Title

- Note:**
- 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.
 - 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.
 - 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: _____

COUNTY DEPARTMENT: Water Utilities Department

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

NAME OF PRIME RESPONDENT/BIDDER: Chen Moore and Associates, Inc.

ADDRESS: 500 Australian Avenue South, Suite 850, West Palm Beach FL 33401

CONTACT PERSON: Suzanne Dombrowski, P.E., ENV SP

PHONE NO.: 561-746-6900

E-MAIL: sdombrowski@chenmoore.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: \$674,960.58

Non-SBE
 MBE
 WBE
 SBE

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

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

Subcontractor/Sub consultant Name	(Check all Applicable Categories)				DOLLAR AMOUNT OR PERCENTAGE OF WORK					
	Non-SBE	MBE	WBE	SBE	Black	Hispanic	Women	Caucasian	Asian	Other
		Minority Business	Women Business	Small Business						
1. PGAL, Inc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	\$85,356.07	_____	_____
2. ACME Barricades, L.C.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	\$7,200.00	_____	_____
3. Area Wide Protective, Inc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	\$43,319.41	_____	_____
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____	_____
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____	_____

(Please use additional sheets if necessary)

Total \$423,014.87 \$1,584,845.22 \$557,587.80 \$106,378.17

Total Bid/Offer Price \$ 2,66,156.41

Total Certified S/M/WBE Participation \$ 1,083,430.96

I hereby certify that the above information is accurate to the best of my knowledge: Suzanne Dombrowski, P.E. Principal Engineer

Name & Authorized Signature Title

- Note:**
1. The amount listed on this form for a Subcontractor/sub consultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
 2. Only those firms certified by Palm Beach County at the time of solicitation due date are eligible to meet the established OEBO Affirmative Procurement Initiative (API). Please check the applicable box and list the dollar amount or percentage under the appropriate demographic category.
 3. Modification of this form is not permitted and will be rejected upon submittal.

ATTACHMENT C

OEBO SCHEDULE 2

Office of Equal Business Opportunity Compliance Programs

Revised 12/20/2022

OEBO LETTER OF INTENT – SCHEDULE 2

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

SOLICITATION/PROJECT NUMBER: 23-053
 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)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 8/7/23 to 8/6/26

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input checked="" type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	<input type="checkbox"/> Caucasian American <input type="checkbox"/> Supplier

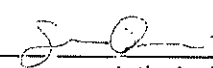
S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or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

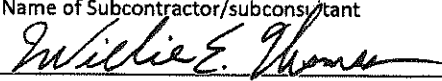
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Subsurface Utility Engineering (SUE) Services	\$15,284.40	1	None	\$15,284.40

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: \$15,284.40

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 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Suzanne Dombrowski, P.E., ENV SP
 Print Name
Principal Engineer
 Title
 Date: 11/21/2023

Barnes, Ferland and Associates, Inc.
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
Willie E. Thomas, P.E.
 Print Name
President
 Title
 Date: 11/21/23

OEBO LETTER OF INTENT – SCHEDULE 2

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

SOLICITATION/PROJECT NUMBER: 23-053

SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2

Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: Brown and Caldwell (Corporation)

(Check box(s) that apply)

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

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	


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

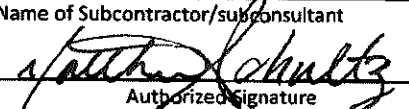
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
8.02, 8.04	Mechanical Systems Engineering-Wastewater Mechanical Engineering-Water Collection Distribution	\$667,511.22	1	None	\$667,511.22

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: \$667,511.22

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.

Name of 2nd/3rd tier Subcontractor/subconsultant _____ Price or Percentage: _____

Chen Moore and Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Suzanne Dombrowski, P.E., ENV SP
 Print Name
Principal Engineer
 Title
 Date: 1/9/2024

Brown and Caldwell (Corporation)
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
Matthew Schulte
 Print Name
Vice President
 Title
 Date: 1/9/24

CERTIFICATE OF SECRETARY
OF
BROWN AND CALDWELL,
A CALIFORNIA CORPORATION

I, the undersigned, do hereby certify that:

1. 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 10th day of March 2021.



SIGNED:

ROBERT D. GOODSON, Secretary



(SEAL)

OEBO LETTER OF INTENT – SCHEDULE 2

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

SOLICITATION/PROJECT NUMBER: 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)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 01/09/2023

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	<input type="checkbox"/> Supplier

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

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
9.03	Electrical Engineering-Industrial Facilities	\$106,347.94	1	None	\$106,347.94

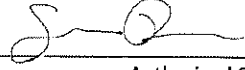
The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$106,347.94

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 2nd/3rd tier Subcontractor/subconsultant _____ Price or Percentage: _____

Chen Moore and Associates, Inc.

Print Name of Prime

By: 
 Authorized Signature

Suzanne Dombrowski, P.E., ENV SP
 Print Name

Principal Engineer
 Title

Date: 11/22/2023

C & W Engineering, Inc.

Print Name of Subcontractor/subconsultant

By: 
 Authorized Signature

Michael Guida, P.E.
 Print Name

President
 Title

Date: 11-22-2023

OEBO LETTER OF INTENT – SCHEDULE 2

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

SOLICITATION/PROJECT NUMBER: 23-053
 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
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input checked="" type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	<input type="checkbox"/> Caucasian American <input type="checkbox"/> Supplier

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

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
9.03, 10.03	Electrical, Structural Engineering-Industrial, Engineering-Industrial Facilities	\$243,788.16	1	None	\$243,788.16

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: \$243,788.16

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 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.

Print Name of Prime

By: 
 Authorized Signature

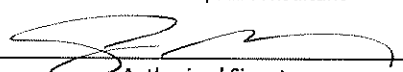
Suzanne Dombrowski, P.E., ENV SP
 Print Name

Principal Engineer
 Title

Date: 11/27/2023

Engineered Design Services LLC

Print Name of Subcontractor/subconsultant

By: 
 Authorized Signature

Craig McKenzie, P.E.
 Print Name

Manager
 Title

Date: 11/27/2023

OEBO LETTER OF INTENT – SCHEDULE 2

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

SOLICITATION/PROJECT NUMBER: 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
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input checked="" type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	<input type="checkbox"/> Caucasian American <input type="checkbox"/> Supplier

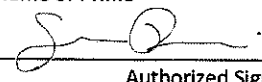
S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or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

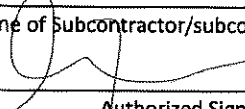
Line Item	Item Description	Unit Price	Quantity/Units	Contingencies/Allowances	Total Price/Percentage
1	Civil Engineering Services	\$74,999.31	1	None	\$74,999.31

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.

Name of 2nd/3rd tier Subcontractor/subconsultant _____ Price or Percentage: _____

Chen Moore and Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Suzanne Dombrowski, P.E., ENV SP
 Print Name
Principal Engineer
 Title
 Date: 11/22/2023

HBC Engineering Company
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
Adebayo Coker
 Print Name
President
 Title
 Date: 11/22/2023

OEBO LETTER OF INTENT – SCHEDULE 2

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

SOLICITATION/PROJECT NUMBER: 23-053
 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)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10/17/21 to 10/16/24

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input checked="" type="checkbox"/> Asian American <input type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

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

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
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.

Name of 2nd/3rd tier Subcontractor/subconsultant _____ Price or Percentage: _____

Chen Moore and Associates, Inc.

Print Name of Prime

By: 
 Authorized Signature

Suzanne Dombrowski, P.E., ENV SP

Print Name

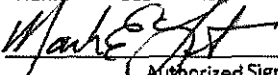
Principal Engineer

Title

Date: 11/21/2023

Hillers Electrical Engineering, Inc.

Print Name of Subcontractor/subconsultant

By: 
 Authorized Signature

MARK E. LUTHOK, PE

Print Name

SR VICE PRESIDENT

Title

Date: 11/21/23

OEBO LETTER OF INTENT – SCHEDULE 2

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

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)

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

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	<input type="checkbox"/> Supplier

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

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Subsurface Utility Engineering (SUE) Services	\$113,578.17	1	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.

ACME BARRICADES, L.C.
Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: \$7,200.00

Chen Moore and Associates, Inc.

Print Name of Prime

By: 
Authorized Signature

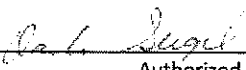
Suzanne Dombrowski, P.E., ENV SP
Print Name

Principal Engineer
Title

Date: 11/22/2023

InfraMap Corp.

Print Name of Subcontractor/subconsultant

By: 
Authorized Signature

Darlene Siegel
Print Name

CFO
Title

Date: 11/22/2023

OEBO LETTER OF INTENT – SCHEDULE 2

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SOLICITATION/PROJECT NUMBER: 23-053
 SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2

Prime Contractor: InfraMap Corp. Subcontractor: ACME BARRICADES, L.C.

(Check box(s) that apply)
 SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): N/A

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

<u>Column 1</u>	<u>Column 2</u>	<u>Column 3</u>
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	<input type="checkbox"/> Supplier

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

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Maintenance of Traffic	\$7,200.00	1	None	\$7,200.00

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$7,200.00

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 2nd/3rd tier Subcontractor/subconsultant

InfraMap Corp.
 Print Name of Prime
 By: *Darlene Siegel*
 Authorized Signature
 Darlene Siegel
 Print Name
 CFO
 Title
 Date: 2/13/2024

ACME BARRICADES, L.C.
 Print Name of Subcontractor/subconsultant
 By: *Christian Cummings*
 Authorized Signature
 Christian Cummings
 Print Name
 Manager
 Title
 Date: 2-13-2024

OEBO LETTER OF INTENT – SCHEDULE 2

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

SOLICITATION/PROJECT NUMBER: 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)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10/4/22 to 10/3/25

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input checked="" type="checkbox"/> Asian American <input type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	


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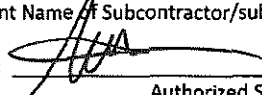
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
8.02, 8.04	Mechanical Engineering - Wastewater Collection Systems,	\$183,420.00	1	None	\$ 183,420.00
	Mechanical Engineering - Water Distribution Systems,				
	Construction Management Services				

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.

N/A Price or Percentage: N/A
 Name of 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Suzanne Dombrowski, P.E., ENV SP
 Print Name
Principal Engineer
 Title
 Date: 2/5/2024

Keshavarz & Associates, Inc.
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
Amir J. Keshavarz, P.E.
 Print Name
Managing Director
 Title
 Date: 2/5/2024

OEBO LETTER OF INTENT – SCHEDULE 2

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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)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10/4/22 to 10/3/25

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

<u>Column 1</u>	<u>Column 2</u>	<u>Column 3</u>
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input checked="" type="checkbox"/> Asian American <input type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

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Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
5.01, 5.02	Topography-Land Surveying, Topography-Engineering Surveying	\$266,490.00	1	None	\$ 266,490.00
	Direct Expenses	\$ 4,000.00	1	None	\$ 4,000.00

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: \$270,490.00

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 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.

Print Name of Prime

By: 
 Authorized Signature

Suzanne Dombrowski, P.E., ENV SP

Print Name


Principal Engineer

Title

Date: 2/5/2024

Keshavarz & Associates, Inc.

Print Name of Subcontractor/subconsultant

By: 
 Authorized Signature

Amir J. Keshavarz, P.E.

Print Name

Managing Director

Title

Date: 2/5/2024

OEBO LETTER OF INTENT – SCHEDULE 2

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SOLICITATION/PROJECT NUMBER: 23-053

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)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10-25-21 to 10-24-24

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input checked="" type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

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Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
6.01, 6.06	Soils, Foundation and Material Testing-Geological and Geophysical Studies, Soils, Foundation and Material Testing-Materials	\$88,943.00	1	None	\$88,943.00

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: \$88,943.00

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

Name of 2nd/3rd tier Subcontractor/subconsultant _____ Price or Percentage: _____

Chen Moore and Associates, Inc.

Print Name of Prime

By: 
Authorized Signature

Suzanne Dombrowski, P.E., ENV SP

Print Name

Principal Engineer

Title

Date: 11/22/2023

Pacifica Engineering Services, LLC

Print Name of Subcontractor/Subconsultant

By: 
Authorized Signature

Javier Perez

Print Name

Director

Title

Date: 11/22/2023

OEBO LETTER OF INTENT – SCHEDULE 2

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SOLICITATION/PROJECT NUMBER: 23-053
 SOLICITATION/PROJECT NAME: South County Reclaimed Water Transmission Pipeline Phase 2

Prime Contractor: Chen Moore and Associates, Inc. Subcontractor: PGAL, Inc.

(Check box(s) that apply)
SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): N/A

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	<input type="checkbox"/> Supplier

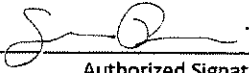
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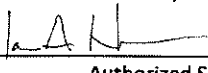
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
7.01-05	Architectural-Architect	\$85,357.00	1	None	\$85,357.00

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: \$85,357.00

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: _____
 Name of 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Suzanne Dombrowski, P.E., ENV SP
 Print Name
Principal Engineer
 Title
 Date: 12/13/2023

PGAL, Inc.
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
Ian A. Nestler AIA, LEED AP
 Print Name
Executive Vice President
 Title
 Date: 12-13-2023

OEBO LETTER OF INTENT – SCHEDULE 2

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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)

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

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	<input type="checkbox"/> Supplier

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Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Maintenance of Traffic	\$43,319.41	1	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 2nd/3rd tier Subcontractor/subconsultant

Chen Moore and Associates, Inc.

Print Name of Prime

By: 
Authorized Signature

Suzanne Dombrowski, P.E., ENV SP

Print Name

Principal Engineer

Title

Date: 1/18/2024

AWP, Inc.

Print Name of Subcontractor/subconsultant

By: 
Authorized Signature

Anthony J. Amato

Print Name

Director of Contracts

Title

Date: 1/18/2024

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

**ATTACHMENT E
BUDGET SUMMARY**

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: **SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2**
 PBCWUD Project No.: **23-053**

Task Number	Task Description	Chen Moore and Associates, Inc.	Barnes, Ferland & Associates, Inc.	Brown & Caldwell	C & W Engineering, Inc.	Engineered Design Services, LLC	HBC Engineering Company	Hillers Electrical Engineering, Inc.	InfraMap Corp.	Meshevarz & Associates, Inc.	Pacifica Engineering Services, LLC	PG&L, Inc	Total Labor and Expenses
TASK 1	Project Management and Coordination												
	1.1 Kickoff Meeting	\$ 5,216.82	\$ -	\$ 6,317.16	\$ -	\$ -	\$ -	\$ 789.78	\$ -	\$ 2,730.00	\$ -	\$ 1,046.50	\$ 16,100.26
	1.2 Coordination and General Correspondence	\$ 32,277.72	\$ -	\$ 15,525.90	\$ 16,352.10	\$ -	\$ -	\$ 10,387.83	\$ -	\$ 28,620.00	\$ -	\$ 448.50	\$ 103,612.05
	1.3 Progress Meetings	\$ 18,039.36	\$ -	\$ 19,478.14	\$ 11,172.06	\$ -	\$ -	\$ -	\$ -	\$ 6,660.00	\$ -	\$ -	\$ 55,349.56
	Task 1 - Subtotal	\$ 55,533.90	\$ -	\$ 41,321.20	\$ 27,524.16	\$ -	\$ -	\$ 11,177.61	\$ -	\$ 38,010.00	\$ -	\$ 1,495.00	\$ 175,061.87
TASK 2	Field Services												
	Subtask 2.1 - Records Review, Site Investigation and Photo Study												
	2.1.1 Review of record drawings and previous studies	\$ 6,175.92	\$ -	\$ 1,154.64	\$ -	\$ -	\$ -	\$ 2,633.23	\$ -	\$ -	\$ -	\$ 847.19	\$ 10,810.98
	2.1.2 Review of plans prepared by others adjacent to the project area (GI Homes)	\$ 3,991.92	\$ -	\$ 1,154.64	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 398.69	\$ 5,545.25
	2.1.3 Site visit	\$ 16,674.48	\$ -	\$ 3,509.28	\$ -	\$ -	\$ -	\$ 3,102.01	\$ -	\$ 4,824.00	\$ -	\$ 847.19	\$ 28,956.95
	2.1.4 Prepare Technical Memo of Field Observations	\$ 10,394.84	\$ -	\$ 1,325.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 398.69	\$ 12,119.01
	2.1.5 Chlorine Testing and Analysis	\$ 1,800.00	\$ -	\$ 5,130.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,930.00
	Task 2.1- Total	\$ 39,037.16	\$ -	\$ 12,274.04	\$ -	\$ -	\$ -	\$ 5,735.24	\$ -	\$ 4,824.00	\$ -	\$ 2,491.75	\$ 64,362.19
	Subtask 2.2 - Subsurface Utility Engineering (SUE)												
	2.2.1 Palm Beach County and Florida Department of Transportation Right-of-Way Permitting	\$ 1,147.98	\$ 2,876.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,195.98	\$ -	\$ -	\$ -	\$ 6,220.36
	2.2.2 Level A - Potholes for Verification of Utility Locations	\$ 1,147.98	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88,742.52	\$ 24,768.00	\$ -	\$ -	\$ 114,658.50
	2.2.3 Level B - Scan and Sweep / Targeting	\$ 1,147.98	\$ 12,408.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,666.00	\$ -	\$ -	\$ 29,221.98
	2.2.4 Level C - Design Tickets and Records Research	\$ 1,147.98	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,302.00	\$ -	\$ -	\$ 8,449.98
	2.2.5 Maintenance of Traffic	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,780.30	\$ -	\$ -	\$ -	\$ 12,780.30
	Task 2.2- Total	\$ 4,591.92	\$ 15,284.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 103,718.80	\$ 47,736.00	\$ -	\$ -	\$ 171,331.12
	Subtask 2.3 - Geotechnical Investigation												
	2.3.1 Palm Beach County and FDOT Right-of-Way Permitting	\$ 1,147.98	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,808.00	\$ -	\$ 2,947.98
	2.3.2 Soil Borings and Geotechnical Testing	\$ 1,147.98	\$ -	\$ 1,200.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 89,490.98
	Task 2.3- Total	\$ 2,295.96	\$ -	\$ 1,200.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88,943.00	\$ -	\$ 92,438.96
	Subtask 2.4 - Survey												
	2.4.1 Route Survey	\$ 1,147.98	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,952.00	\$ -	\$ -	\$ 67,099.98
	2.4.2 Topographic Survey	\$ 44,467.39	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 109,890.00	\$ -	\$ -	\$ 154,357.39
	2.4.3 Pump Station Site Boundary and Topographic Survey	\$ 1,147.98	\$ -	\$ 1,200.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,471.00	\$ -	\$ -	\$ 11,818.98
	2.4.4 Preparation of Sketch and Legal Descriptions for easements as needed	\$ 1,147.98	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,977.00	\$ -	\$ -	\$ 6,124.98

**ATTACHMENT E
BUDGET SUMMARY**

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: **SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2**
 PBCWUD Project No.: **23-053**

Task Number	Task Description	Chen Moore and Associates, Inc.	Barnes, Ferland & Associates, Inc.	Brown & Caldwell	C & W Engineering, Inc.	Engineered Design Services, LLC	HBC Engineering Company	Hillers Electrical Engineering, Inc.	InfraMap Corp.	Kashavaz & Associates, Inc.	Pacifico Engineering Services, LLC	PG&A, Inc.	Total Labor and Expenses
	2.4.5 Maintenance of Traffic	\$ 1,147.98	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,664.90	\$ -	\$ -	\$ 4,812.88
	Task 2.4 - Total	\$ 49,059.31	\$ -	\$ 1,200.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 193,954.90	\$ -	\$ -	\$ 244,214.21
	Task 2 - Subtotal	\$ 94,984.35	\$ 15,284.40	\$ 14,674.04	\$ -	\$ -	\$ -	\$ 5,735.24	\$ 103,718.80	\$ 246,514.90	\$ 88,943.00	\$ 2,491.75	\$ 572,346.47
TASK 3	Preliminary Design												
	Subtask 3.1 - Outfall Operational Review												
	3.1.1 Site visit to each location, with PBCWUD	\$ 10,553.79	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,553.79
	3.1.2 Review permit conditions for each outfall	\$ 5,959.92	\$ -	\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,959.92
	3.1.3 Review available records to determine the infrastructure in place to each outfall	\$ 10,938.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,938.48
	3.1.4 Prepare Technical Memorandum	\$ 15,037.08	\$ -	\$ 2,400.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,437.08
	Subtask 3.1- Total	\$ 42,489.27	\$ -	\$ 5,400.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,889.27
	Subtask 3.2 - Pump Station Basis of Design Report and 10% Design												
	3.2.1 Basis of Design Report (BODR) Conceptual 10% Design	\$ 2,787.84	\$ -	\$ 12,670.32	\$ 1,133.01	\$ 20,530.56	\$ 1,068.12	\$ 2,929.51	\$ -	\$ -	\$ -	\$ -	\$ 41,119.36
	3.2.2 Design, BIM, Quality Management, OPCC, Schedule	\$ -	\$ -	\$ 41,834.55	\$ -	\$ -	\$ 1,068.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42,902.67
	3.2.3 Proc-Mech BODR	\$ -	\$ -	\$ 17,697.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,697.00
	3.2.4 Surge Analysis	\$ -	\$ -	\$ 13,159.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,159.80
	3.2.5 Quality Review	\$ -	\$ -	\$ 7,200.00	\$ 463.01	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,663.01
	3.2.6 Workshop	\$ 600.00	\$ -	\$ 6,057.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,657.20
	Subtask 3.2- Total	\$ 3,387.84	\$ -	\$ 98,628.87	\$ 1,596.02	\$ 20,530.56	\$ 2,136.24	\$ 2,929.51	\$ -	\$ -	\$ -	\$ -	\$ 129,209.04
	Subtask 3.3 - 30% Pipeline Design Plan Preparation												
	3.3.1 30% Pipeline Plans	\$ 44,115.60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 71,256.00	\$ -	\$ -	\$ 115,371.60
	Subtask 3.3- Total	\$ 44,115.60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 71,256.00	\$ -	\$ -	\$ 115,371.60
	Subtask 3.4 - 30% Pump Station Design Plan Preparation												
	3.4.1 Basis of Design Report (BODR) Conceptual 30% Design	\$ 300.00	\$ -	\$ 7,157.52	\$ -	\$ -	\$ 2,136.24	\$ 3,554.78	\$ -	\$ -	\$ -	\$ -	\$ 13,148.54
	3.4.2 Design, BIM, and Quality Management	\$ 300.00	\$ -	\$ 43,626.96	\$ -	\$ -	\$ 1,068.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44,995.08
	3.4.3 General Sheets	\$ 2,535.36	\$ -	\$ 17,834.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,369.76
	3.4.4 Proc-Mech Design	\$ 300.00	\$ -	\$ 21,492.96	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,792.96
	3.4.5 OPCC and Construction Schedule	\$ 300.00	\$ -	\$ 30,516.39	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,816.39
	3.4.6 Quality Review	\$ 300.00	\$ -	\$ 7,200.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,500.00
	3.4.7 Workshop	\$ 300.00	\$ -	\$ 9,274.56	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,574.56
	3.4.8 Site Civil Engineering	\$ 300.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300.00
	3.4.9 Landscape Architecture	\$ 7,204.38	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,204.38
	3.4.10 Electrical Engineering	\$ 300.00	\$ -	\$ -	\$ 3,246.01	\$ 26,585.28	\$ -	\$ 5,656.99	\$ -	\$ -	\$ -	\$ -	\$ 35,788.28
	3.4.11 Plumbing Engineering	\$ 300.00	\$ -	\$ -	\$ 3,885.01	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,185.01
	3.4.12 HVAC Engineering	\$ 300.00	\$ -	\$ -	\$ 5,286.02	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,586.02
	3.4.13 Structural Engineering	\$ 300.00	\$ -	\$ -	\$ -	\$ 15,144.96	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,444.96

**ATTACHMENT E
BUDGET SUMMARY**

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: **SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2**
 PBCWUD Project No.: **23-053**

Task Number	Task Description	Chen Moore and Associates, Inc.	Barnes, Ferland & Associates, Inc.	Brown & Caldwell	C & W Engineering, Inc.	Engineered Design Services, LLC	HBC Engineering Company	Hillers Electrical Engineering, Inc.	InfraMap Corp.	Keshavarz & Associates, Inc.	Pacific Engineering Services, LLC	PG&L, Inc.	Total Labor and Expenses
3.4.14	Architectural	\$ 300.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,201.18	\$ 19,501.18
	Subtask 3.4- Total	\$ 13,339.74	\$ -	\$ 137,102.79	\$ 12,417.03	\$ 41,730.24	\$ 3,204.36	\$ 9,211.77	\$ -	\$ -	\$ -	\$ 19,201.18	\$ 296,207.11
	Task 3 - Subtotal	\$ 103,332.45	\$ -	\$ 241,131.66	\$ 14,013.05	\$ 62,260.80	\$ 5,340.60	\$ 12,141.28	\$ -	\$ 71,256.00	\$ -	\$ 19,201.18	\$ 528,677.02
TASK 4	Detailed Design												
	Subtask 4.1 - 60% Pump Station Design Submittal												
4.1.1	Design, BIM, and Quality Management	\$ 400.00	\$ -	\$ 50,862.96	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 51,262.96
4.1.2	General Sheets	\$ 2,835.36	\$ -	\$ 16,725.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,560.48
4.1.3	Proc-Mech Design	\$ 300.00	\$ -	\$ 19,725.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,025.12
4.1.4	OPCC and Construction Schedule	\$ 600.00	\$ -	\$ 28,813.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,413.32
4.1.5	Quality Review	\$ 300.00	\$ -	\$ 7,200.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,500.00
4.1.6	Workshop	\$ 300.00	\$ -	\$ 9,274.56	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,574.56
4.1.7	Site Civil Engineering	\$ 300.00	\$ -	\$ -	\$ -	\$ -	\$ 24,239.85	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,539.85
4.1.8	Landscape Architecture	\$ 8,861.28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,861.28
4.1.9	Electrical Engineering	\$ 602.64	\$ -	\$ -	\$ 6,554.03	\$ 39,788.16	\$ -	\$ 21,297.38	\$ -	\$ -	\$ -	\$ -	\$ 68,242.21
4.1.10	Plumbing Engineering	\$ 602.64	\$ -	\$ -	\$ 7,350.03	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,952.67
4.1.11	HVAC Engineering	\$ 602.64	\$ -	\$ -	\$ 7,998.03	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,600.67
4.1.12	Structural Engineering	\$ 602.64	\$ -	\$ -	\$ -	\$ 22,902.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,505.04
4.1.13	Architectural	\$ 602.64	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,356.91
	Subtask 4.1- Total	\$ 16,909.84	\$ -	\$ 132,601.08	\$ 21,902.09	\$ 62,690.56	\$ 24,239.85	\$ 21,297.38	\$ -	\$ -	\$ -	\$ 19,754.27	\$ 299,395.07
	Subtask 4.2 - 90% Pipeline Design Submittal												
4.2.1	90% Pipeline Plans	\$ 101,688.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 67,524.00	\$ -	\$ -	\$ 169,212.20
4.2.2	90% Specifications	\$ 13,638.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,638.48
4.2.3	90% Opinion of Probable Cost	\$ 8,672.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,672.08
	Subtask 4.2- Total	\$ 124,196.76	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 67,524.00	\$ -	\$ -	\$ 191,720.76
	Subtask 4.3 - 90% Pump Station Design Submittal												
4.3.1	Design, BIM, and Quality Management	\$ -	\$ -	\$ 40,408.56	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,408.56
4.3.2	General Sheets	\$ 2,835.36	\$ -	\$ 16,725.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,560.48
4.3.3	Proc-Mech Design	\$ 300.00	\$ -	\$ 20,661.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,961.00
4.3.4	OPCC and Construction Schedule	\$ 300.00	\$ -	\$ 28,813.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,113.32
4.3.5	Quality Review	\$ 600.00	\$ -	\$ 7,200.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,800.00
4.3.6	Workshop	\$ 300.00	\$ -	\$ 11,658.24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,958.24
4.3.7	Site Civil Engineering	\$ 300.00	\$ -	\$ -	\$ -	\$ -	\$ 23,475.30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,775.30
4.3.8	Landscape Architecture	\$ 8,861.28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,861.28
4.3.9	Electrical Engineering	\$ 602.64	\$ -	\$ -	\$ 6,662.03	\$ 39,788.16	\$ -	\$ 12,217.77	\$ -	\$ -	\$ -	\$ -	\$ 59,270.59
4.3.10	Plumbing Engineering	\$ 602.64	\$ -	\$ -	\$ 8,484.03	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,086.67
4.3.11	HVAC Engineering	\$ 602.64	\$ -	\$ -	\$ 8,970.03	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,572.67
4.3.12	Structural Engineering	\$ 602.64	\$ -	\$ -	\$ -	\$ 22,902.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,505.04

**ATTACHMENT E
BUDGET SUMMARY**

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: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2
 PBCWUD Project No.: 23-053

Task Number	Task Description	Chen Moore and Associates, Inc.	Barnes, Ferland & Associates, Inc.	Brown & Caldwell	C & W Engineering, Inc.	Engineered Design Services, LLC	HBC Engineering Company	Hillers Electrical Engineering, Inc.	Infrimap Corp.	Keshavazh & Associates, Inc.	Pacific Engineering Services, LLC	PG&L, Inc.	Total Labor and Expenses	
4.3.13	Architectural	\$ 602.64	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,520.14	\$ 23,122.78
	Subtask 4.3- Total	\$ 16,509.84	\$ -	\$ 125,466.24	\$ 24,116.09	\$ 62,690.56	\$ 23,475.30	\$ 12,217.77	\$ -	\$ -	\$ -	\$ -	\$ 22,520.14	\$ 286,995.93
	Subtask 4.4 - 100% Pipeline Design Submittal													
4.4.1	100% Pipeline Plans	\$ 63,090.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,744.00	\$ -	\$ -	\$ -	\$ 69,834.00
4.4.2	100% Specifications	\$ 8,065.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,065.20
4.4.3	100% Opinion of Probable Cost	\$ 5,005.92	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,005.92
	Subtask 4.4- Total	\$ 76,161.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,744.00	\$ -	\$ -	\$ -	\$ 82,905.12
	Subtask 4.5 - 100% Pump Station Design Submittal													
4.5.1	Design, BIM, and Quality Management	\$ -	\$ -	\$ 23,163.84	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,163.84
4.5.2	General Sheets	\$ 2,835.36	\$ -	\$ 16,725.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,560.48
4.5.3	Proc-Mech Design	\$ 300.00	\$ -	\$ 20,661.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,961.00
4.5.4	OPCC and Construction Schedule	\$ 300.00	\$ -	\$ 2,400.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,700.00
4.5.7	Site Civil Engineering	\$ 300.00	\$ -	\$ -	\$ -	\$ -	\$ 4,900.77	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,200.77
4.5.8	Landscape Architecture	\$ 5,704.68	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,704.68
4.5.9	Electrical Engineering	\$ 300.00	\$ -	\$ -	\$ 3,673.51	\$ 12,990.72	\$ -	\$ 6,722.87	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,687.09
4.5.10	Plumbing Engineering	\$ -	\$ -	\$ -	\$ 4,607.01	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,607.01
4.5.11	HVAC Engineering	\$ -	\$ -	\$ -	\$ 5,012.01	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,012.01
4.5.12	Structural Engineering	\$ -	\$ -	\$ -	\$ -	\$ 8,149.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,149.12
4.5.13	Architectural	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,928.58
	Subtask 4.5- Total	\$ 9,740.04	\$ -	\$ 62,949.96	\$ 13,292.53	\$ 21,135.84	\$ 4,900.77	\$ 6,722.87	\$ -	\$ -	\$ -	\$ -	\$ 7,928.58	\$ 126,674.59
	Task 4 - Subtotal	\$ 243,517.60	\$ -	\$ 321,017.28	\$ 59,310.70	\$ 146,520.96	\$ 52,615.92	\$ 40,238.01	\$ -	\$ 74,268.00	\$ -	\$ 50,203.00	\$ -	\$ 987,691.47
	TASK 5 - Permitting Services													
	Subtask 5.1 - Permitting for Roadway Impacts (PBC Land Development)													
5.1.1	Pre-Application Meeting	\$ 1,696.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,696.26
5.1.2	Prepare and Submit Application Data	\$ 3,266.52	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,266.52
5.1.3	Revise and Resubmit Application Documents	\$ 9,679.44	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,679.44
	Subtask 5.1- Total	\$ 14,642.22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,642.22
	Subtask 5.2 - Permitting for Roadway Impacts (FDOT)													
5.2.1	Pre-Application Meeting	\$ 1,696.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,696.26
5.2.2	Prepare and Submit Application Data and Plans	\$ 3,266.52	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,266.52
5.2.3	Revise and Resubmit Application Documents	\$ 7,492.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,492.80
	Subtask 5.2- Total	\$ 12,455.58	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,455.58
	Subtask 5.3 - Permitting with Lake Worth Drainage District													
5.3.1	Pre-Application Meeting	\$ 1,693.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,693.32
5.3.2	Prepare and Submit Application Data	\$ 4,177.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,177.32
5.3.3	Revise and Resubmit Application Documents	\$ 6,854.64	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,854.64
	Subtask 5.3- Total	\$ 12,725.28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,725.28

**ATTACHMENT E
BUDGET SUMMARY**

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: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2
 PBCWUD Project No.: 23-053

Task Number	Task Description	Chen Moore and Associates, Inc.	Barnes, Ferland & Associates, Inc.	Brown & Caldwell	C & W Engineering, Inc.	Engineered Design Services, LLC	HBC Engineering Company	Hillers Electrical Engineering, Inc.	IntraMap Corp.	Keshavarz & Associates, Inc.	Pacific Engineering Services, LLC	PG&L, Inc	Total Labor and Expenses
5.4.1	PBC Site Plan Approval	\$ 29,172.60	\$ -	\$ -	\$ 1,992.02	\$ -	\$ 2,049.60	\$ 2,139.73	\$ -	\$ -	\$ -	\$ 3,787.37	\$ 39,441.32
5.4.2	SFPWUD Environmental Resources Permitting	\$ 13,338.48	\$ -	\$ -	\$ -	\$ -	\$ 3,862.05	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,200.53
5.4.3	PBC Land and Development Drainage Review	\$ 8,659.92	\$ -	\$ -	\$ -	\$ -	\$ 3,862.05	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,521.97
5.4.4	PBC Building Department Review	\$ 12,670.50	\$ -	\$ -	\$ 436.01	\$ 4,504.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,568.15	\$ 48,016.46
Subtask 5.4 - Total		\$ 64,141.50	\$ -	\$ -	\$ 22,975.44	\$ 4,504.32	\$ 13,635.75	\$ 2,139.73	\$ -	\$ -	\$ -	\$ 7,355.52	\$ 117,180.28
Task 5 - Subtotal		\$ 103,964.58	\$ -	\$ -	\$ 2,428.02	\$ 4,504.32	\$ 13,635.75	\$ 2,139.73	\$ -	\$ -	\$ -	\$ 7,355.52	\$ 157,003.36
Bidding Support		\$ 2,050.92	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,424.67
6.1	Review the Bid Advertisement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6.2	Attend Pre-Bid Meeting	\$ 4,398.90	\$ -	\$ -	\$ 1,592.01	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 448.50	\$ 6,439.41
6.3	Updated OPCC and Schedule	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6.4	Respond to Requests for Additional Information	\$ 8,239.68	\$ 20,153.76	\$ 904.01	\$ 3,916.80	\$ 1,270.80	\$ 5,217.37	\$ -	\$ -	\$ -	\$ -	\$ 847.19	\$ 40,549.60
6.5	Review and Compile Bid Results	\$ 5,082.60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,331.10
6.6	Perform Sensitivity Analysis on Line Item Pricing from Bidders	\$ 4,488.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,784.17
6.7	Provide Recommendation of Award Letter	\$ 1,625.46	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,924.46
6.8	Preparation of Conformed Documents	\$ 9,262.71	\$ -	\$ -	\$ 576.00	\$ 1,921.52	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 899.00	\$ 21,031.31
Task 6 - Subtotal		\$ 33,148.75	\$ 26,391.60	\$ 3,072.02	\$ 3,916.80	\$ 3,407.04	\$ 7,138.89	\$ -	\$ -	\$ -	\$ -	\$ 4,609.62	\$ 83,684.72
TASK 7	Outfall Design and Permitting	\$ 3,610.56	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,471.66
7.1	Outfall Topographic Survey	\$ 3,610.56	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,471.66
7.2	Outfall Design Improvements	\$ 49,774.80	\$ -	\$ -	\$ 26,585.28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 84,139.60
7.3	Outfall Improvements Permitting	\$ 23,613.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,613.00
7.4	Maintenance of Traffic	\$ 2,400.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,496.46
7.5	Instrumentation	\$ 81,798.36	\$ -	\$ -	\$ -	\$ -	\$ 21,587.38	\$ 9,859.38	\$ 23,861.10	\$ -	\$ -	\$ -	\$ 163,691.50
Task 7 - Subtotal		\$ 81,798.36	\$ 26,585.28	\$ -	\$ 26,585.28	\$ 21,587.38	\$ 9,859.38	\$ 23,861.10	\$ -	\$ -	\$ -	\$ -	\$ 249,707.88
PROJECT TOTAL		\$ 718,279.99	\$ 15,284.40	\$ 667,511.22	\$ 106,347.94	\$ 243,788.16	\$ 74,999.31	\$ 100,158.15	\$ 113,578.17	\$ 453,910.00	\$ 88,943.00	\$ 85,356.07	\$ 2,668,156.41

**ATTACHMENT E
BUDGET SUMMARY (REIMBURSABLES)**

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: Chen Moore and Associates, Inc.					
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2					
PBCWUD Project No.: 23-053					
Task No.	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/Black Line/Blueprints (22x34)	10	\$3.00	\$30.00
					\$0.00
		<i>Total Task 1</i>			\$30.00
TASK 2	Field Services	8.5x11 Print (color)		\$1.00	\$0.00
		Bond Copies/Black Line/Blueprints (22x34)	16	\$3.00	\$48.00
		Bond Copies/Black line/Blueprints (11x17)	160	\$0.30	\$48.00
		Mileage (\$/mi. - GSA Rate)	200	\$0.655	\$131.00
		MOT	1	\$43,319.410	\$43,319.41
		<i>Total Task 2</i>			\$43,546.41
TASK 3	Preliminary Design	8.5x11 Print (color)	240	\$1.00	\$240.00
		Bond Copies/Black line/Blueprints (11x17)	160	\$0.30	\$48.00
		<i>Total Task 3</i>			\$288.00
TASK 4	Detailed Design	8.5x11 Print (color)	400	\$1.00	\$400.00
		Bond Copies/Black Line/Blueprints (22x34)	400	\$3.00	\$1,200.00
		<i>Total Task 4</i>			\$1,600.00
TASK 5	Permitting Services	Bond Copies/Black line/Blueprints (22x34)	200	\$3.00	\$600.00
		Permit fees	1	\$3,000.00	\$3,000.00
		<i>Total Task 5</i>			\$3,600.00
TASK 6	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
		<i>Total Task 6</i>			\$2,520.00
TASK 7	Outfall Design and Permitting				\$0.00
					\$0.00
		<i>Total Task 7</i>			\$0.00
PROJECT TOTAL					\$51,584.410

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.

3.2 Pump Station Basis of Design Report and 10% Design

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

3.2.1 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
 - 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
 - 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)
 - 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
 - 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.

42 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.

44 100% Pipeline Design Submittal

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

45 100% 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 process-mechanical 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



Preliminary Drawing List:

GENERAL

G-00-1001 COVER & VICINITY MAP
G-00-1002 SHEET INDEX 1
G-00-1003 SHEET INDEX 2
G-00-1004 SYMBOLS AND LEGENDS
G-00-1702 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 SITE 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 PUMP STATION - PUMP ROOM PLAN
D-30-2201 PUMP STATION BRIDGE CRANE - PLAN, SECTIONS AND DETAILS
D-30-2202 PUMP STATION - ENLARGED PLAN 1
D-30-2203 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 TYPICAL DETAILS 1 - PIPE PENETRATIONS
D-99-1802 TYPICAL DETAILS 2 - PIPE SUPPORTS 1
D-99-1803 TYPICAL DETAILS 3 - PIPE SUPPORTS 2
D-99-1804 TYPICAL DETAILS 4 - MISC 1
D-99-1805 TYPICAL DETAILS 5 - 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,

A handwritten signature in cursive script that reads "Willie E. Thomas".

Willie Thomas, PE
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.

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

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: Barnes, Ferland & Associates
 Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2
 PBCWUD Project No.: 22-033

Task Number	Task Description	SUB TOTALS					Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
		Senior Project Manager	Project Engineer III	Senior Surveyor and Mapper	Survey Technician	SUE 2 Person Crew				
	Raw Rate >	\$ 70.00	\$ 40.00	\$ 62.00	\$ 40.00	\$ 56.00				
	Multiplier >	2.82	2.82	2.82	2.82	2.82				
	Bill Rate >	\$ 197.40	\$ 112.80	\$ 174.84	\$ 112.80	\$ 157.92				
TASK 2	Field Services									
	<i>Subtask 2.2 - Subsurface Utility Engineering (SUE)</i>									
	<i>2.2.1: Palm Beach County and Florida Department of Transportation Right-of-Way Permitting</i>	6	15				21	\$ 2,876.40		\$ 2,876.40
	<i>2.2.2: Level A - Potholes for Verification of Utility Locations</i>						0	\$ -		\$ -
	<i>2.2.3: Level B - Scan and Sweep / Targeting</i>			8	8	64	80	\$ 12,408.00		\$ 12,408.00
	<i>2.2.4: Level C - Design Tickets and Records Research</i>						0	\$ -	\$ -	\$ -
	Task 2.2- Total	6	15	8	8	64	101	\$ 15,284.40	\$ -	\$ 15,284.40
	Task 2 - Subtotal	6	15	8	8	64	101	\$ 15,284.40	\$ -	\$ 15,284.40
	Labor Subtotal Hours	6	15	8	8	64	101	101		
	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	\$ 902.40	\$ 10,106.88		\$ 15,284.40		
	PROJECT TOTAL						101	\$ 15,284.40	\$ -	\$ 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

C&W Ref. 237702

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

C&W Ref. 237702

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	\$ 27,416.00
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.

A handwritten signature in black ink, appearing to read "Michael Guida", written over a horizontal line.

Michael Guida, P.E.

JLR/nl



edsengineers.com

Proposal to: Chen Moore and Associates, Inc.

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

Revised 10-6-2023

Engineered Design Services LLC
Contact: Craig McKenzie, P.E.
craigmckenzie@edsengineers.com
(561) 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, FL 33401

Prepared by:

HBC Engineering
Company

8935 NW 35th 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

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.

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
I	60% Construction Plans	\$ 29,580.45
II	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
2. 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.

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

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.

Sincerely,

HBC ENGINEERING COMPANY



Edgar Diaz, MS, PE, PSM
Project Manager

Date: 10/05/2023

ACCEPTANCE OF PROPOSAL

Name of Company

Print Name

Authorization Signature

Date:



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.

Task 3 – Preliminary Design

- 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.

- 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.

Task 5 – Pipeline and Pump Station Permitting Services

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&ID
6. 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.

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
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 horizontal 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:

1. 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 lreumann@inframap.net. We look forward to working with Chen Moore & Associates on this project.

Regards,

A handwritten signature in black ink, appearing to read "Lee Reumann".

Lee Reumann
Survey Manager



ACME BARRICADES LC

Main Office

**9800 Normandy Blvd
Jacksonville, Florida 32221
1-800-373-7704**



4601 Oakes Road
Davie, FL 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

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

BID DATE: 7/24/2023

COUNTY: Palm Beach

DAYS: 5

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 NEEDED.				
TOTAL				\$ 7,200.00

*Price excludes bond

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

*Prices do not include wall mounting of work zone signs.

*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.

*Reasonable notice is required prior to delivery of MOT devices.

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

*This quotation shall be part of any future contract for work quoted above.

*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

*This proposal excludes rumble strips.

We appreciate your business and good luck in your bidding.

Sincerely,

Tom Brady

tbrady@acmebarricades.com

SERVICE IN A FLASH

ALL PRICING IS CONSIDERED CONFIDENTIAL



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 main.
- 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 CONSULTANT shall add profile views to the proposed conditions plan. The CONSULTANT 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

8.1 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).

TASK	ENGINEERING SERVICES DESCRIPTION	COMPLETION DATE - CALENDAR DAYS FROM 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/>

Law Enforcement Officer -- Daily Rate

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

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 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 and Processing of Law Enforcement Officers	LEO - Daily	Each	1.00
Law Enforcement Officer -- Daily Rate Daily Estimated Subtotal:				\$1,075.00

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

Estimated Duration	3 Days
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Additional charges may apply for additional equipment or labor above estimated service (refer to price list for supplemental items).

Total	\$3,225.00
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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@awptrafficsafety.com | (800) 343-2650
 Schedule Online <https://www.awptrafficsafety.com/schedule-now/>

Center Lane Closure -- Daily Rate

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

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 CODE	UOM	QTY
Traffic Control Employee - 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 per man hour after 8 hours on site.	TCDR08	Each	3
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

PRODUCT	PRODUCT DESCRIPTION	PRODUCT CODE	UOM	QTY
28" or 36" Cone	Cone	CONE	Each	60
Arrow Board	Arrow Board	ABDR	Each	1
Flagging Truck	Flagging Truck	TRUCK	Each	2.00
Sign: Speeding Fines Double When Workers Present	Speeding Fines Double When Workers Present Sign	FL-MOT-14-06	Each	2
Sign: End Road Work	End Road Work Sign	G20-2	Each	8
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
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WHO TO CONTACT FOR SCHEDULING
 Customer Call Center | info@awptrafficsafety.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 CODE	UOM	QTY
Traffic Control Employee - 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 When Workers Present	Speeding Fines Double When Workers Present Sign	FL-MOT-14-06	Each	4

PRODUCT	PRODUCT DESCRIPTION	PRODUCT CODE	UOM	QTY
Sign: End Road Work	End Road Work Sign	G20-2	Each	8
Intersection Work -- Daily Rate Daily Estimated Subtotal:				\$2,578.84

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 SW 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
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WHO TO CONTACT FOR SCHEDULING
 Customer Call Center | info@awptrafficsafety.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.

Single Lane Closure (Outside Driving Lane) -- Daily Rate

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 CODE	UOM	QTY
Traffic Control Employee - 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 per man hour after 8 hours on site.	TCDR08	Each	2
Sign: Road Work Ahead	Road Work Ahead Sign	W20-1	Each	2
Sign: Merge (Symbol)	Merge (Symbol) Sign		Each	2
Sign: Right/Left Lane Closed Ahead	Right/Left Lane Closed Ahead Sign	W20-5(LR)	Each	2

PRODUCT	PRODUCT DESCRIPTION	PRODUCT CODE	UOM	QTY
28" or 36" Cone	Cone	CONE	Each	30
Arrow Board	Arrow Board	ABDR	Each	1
Flagging Truck	Flagging Truck	TRUCK	Each	1.00
Sign: Speeding Fines Double When Workers Present	Speeding Fines Double When Workers Present Sign	FL-MOT-14-06	Each	2
Sign: Right Shoulder Closed	Right Shoulder Closed Sign	W21-5aR	Each	2
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@awptrafficsafety.com | (800) 343-2650
 Schedule Online <https://www.awptrafficsafety.com/schedule-now/>

MOT Plan Design

Lump sum amount.

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

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 CODE	UOM	QTY
Traffic Control Plan (TCP)	Traffic Control Plan	TCP	Page	60.00
MOT Plan Design Daily Estimated Subtotal:				\$16,500.00

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 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 numbering, lettering or insignia displayed upon any equipment and shall ensure that no 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 and proper operating condition in accordance with the operator's manual; and (c) replacing broken or worn-out parts. The Lessee shall indemnify and hold harmless the Lessor against all loss and damage to 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 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 Reference:

Name (Print):

Effective Date:

Signature:

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



June 30, 2023

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.

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.
3. 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

<u>DESCRIPTION</u>	<u>UNIT</u>	<u># OF UNITS</u>	<u>UNIT RATE</u>	<u>TOTAL</u>
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 & AGGREGATE TESTING				
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)				
<i>Labor only, no expenses</i>				
IV. MOT AND GPR				
<i>Maintenance of Traffic (MOT) and Traffic control devices (under separate expense item)</i>				
Ground Penetration Radar (GPR) Scanning	each	6.0	\$2,400.00	\$14,400.00
ESTIMATED GEOTECHNICAL TESTING EXPENSES FOR THE PROJECT				\$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 33401

ALEXANDRIA
ATLANTA
AUSTIN
BOCA RATON
CHICAGO
DALLAS/FORT WORTH
DENVER
HOBOKEN
HOUSTON
LAS VEGAS
LOS ANGELES
SALT LAKE CITY
SAN DIEGO

**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**

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:

- i. Kick-off Meeting to discuss scope and design expectations
 - a. Proposed concept floor plan
 - b. Building Hardening requirements
 - c. Proposed systems to be incorporated
- ii. Prepare Construction Documents
 - a. Prepare a 30% submittal review set
 - b. Prepare a 60% submittal review set
 - c. Prepare a 90% submittal review set
 - d. Prepare a 100% submittal review set
- iii. Permitting
 - a. Assist in PBC site plan approval (building)
 - b. Address building department permitting comments
- IV. Bidding assistance (1 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**

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description	Senior Project Manager	Project Engineer III	Senior Surveyor and Mapper	Survey Technician	SUE 2 Person Crew	Utility Coordinator	SUB TOTALS				
								Total Hours	Total Labor	Total Expenses	Total Labor and Expenses	
	Raw Rate >	\$ 70.00	\$ 40.00	\$ 62.00	\$ 40.00	\$ 56.00	\$ 38.00					
	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					
TASK 1	Project Management and Coordination											
	1.1 Kickoff Meeting							0	\$ -			\$ -
	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	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)											
	2.2.1 Palm Beach County and Florida Department of Transportation Right-of-Way Permitting	6	15					21	\$ 2,876.40			\$ 2,876.40
	2.2.2 Level A - Patholes for Verification of Utility Locations							0	\$ -			\$ -
	2.2.3 Level B - Scan and Sweep / Targeting			8	8	64		80	\$ 12,408.00			\$ 12,408.00
	2.2.4 Level C - Design Tickets and Records Research							0	\$ -			\$ -
	2.2.5 Maintenance of Traffic							0	\$ -			\$ -
	Task 2.2- Total	6	15	8	8	64	0	101	\$ 15,284.40	\$ -		\$ 15,284.40
	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	\$ -			\$ -
	2.4.5 Maintenance of Traffic							0	\$ -			\$ -
	Task 2.4- Total	0	0	0	0	0	0	0	\$ -	\$ -		\$ -
	Task 2 - Subtotal	6	15	8	8	64	0	101	\$ 15,284.40	\$ -		\$ 15,284.40
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	\$ -			\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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.: **23-093**

Task Number	Task Description	Senior Project Manager	Project Engineer III	Senior Surveyor and Mapper	Survey Technician	SUE 2 Person Crew	Utility Coordinator	SUB TOTALS				
								Total Hours	Total Labor	Total Expenses	Total Labor and Expenses	
	Raw Rate >	\$ 70.00	\$ 40.00	\$ 62.00	\$ 40.00	\$ 56.00	\$ 38.00					
	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	0	\$ -	\$ -	\$ -	
	Subtask 3.2 - Pump Station Basis of Design Report and 10% Design							0	\$ -		\$ -	
	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							0	\$ -		\$ -	
	Subtask 3.2- Total	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	
	Subtask 3.3 - 30% Pipeline Design Plan Preparation							0	\$ -		\$ -	
	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							0	\$ -		\$ -	
	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 Workshop							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							0	\$ -		\$ -	
	3.4.12 HVAC Engineering							0	\$ -		\$ -	
	3.4.13 Structural Engineering							0	\$ -		\$ -	
	3.4.14 Architectural							0	\$ -		\$ -	
	Subtask 3.4- Total	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	
	Task 3 - Subtotal	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	
TASK 4	Detailed Design											
	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	\$ -		\$ -	

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description	Senior Project Manager	Project Engineer III	Senior Surveyor and Mapper	Survey Technician	SUE 2 Person Crew	Utility Coordinator	SUB TOTALS				
								Total Hours	Total Labor	Total Expenses	Total Labor and Expenses	
	Raw Rate >	\$ 70.00	\$ 40.00	\$ 62.00	\$ 40.00	\$ 56.00	\$ 38.00					
	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					
	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	0	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							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	\$ -		\$ -	
	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	\$ -		\$ -	

**ATTACHMENT E
BUDGET SUMMARY**

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**

Task Number	Task Description	Senior Project Manager	Project Engineer	Senior Surveyor and Mapper	Survey Technician	SUE 2 Person Crew	Utility Coordinator	SUB TOTALS				
								Total Hours	Total Labor	Total Expenses	Total Labor and Expenses	
	Raw Rate >	\$ 70.00	\$ 40.00	\$ 62.00	\$ 40.00	\$ 56.00	\$ 38.00					
	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					
	<i>4.5.13 Architectural</i>							0	\$ -			\$ -
	Subtask 4.5- Total	0	0	0	0	0	0	0	\$ -	\$ -		\$ -
	Task 4 - Subtotal	0	0	0	0	0	0	0	\$ -	\$ -		\$ -
TASK 5	Pipeline Permitting Services											
	<i>Subtask 5.1 - Permitting for Roadway Impacts (PBC Land Development)</i>											
	<i>5.1.1 Pre-Application Meeting</i>							0	\$ -			\$ -
	<i>5.1.2 Prepare and Submit Application Data</i>							0	\$ -			\$ -
	<i>5.1.3 Revise and Resubmit Application Documents</i>							0	\$ -			\$ -
	Subtask 5.1- Total	0	0	0	0	0	0	0	\$ -	\$ -		\$ -
	<i>Subtask 5.2 - Permitting for Roadway Impacts (FDOT)</i>											
	<i>5.2.1 Pre-Application Meeting</i>							0	\$ -			\$ -
	<i>5.2.2 Prepare and Submit Application Data and Plans</i>							0	\$ -			\$ -
	<i>5.2.3 Revise and Resubmit Application Documents</i>							0	\$ -			\$ -
	Subtask 5.2- Total	0	0	0	0	0	0	0	\$ -	\$ -		\$ -
	<i>Subtask 5.3 - Permitting with Lake Worth Drainage District</i>											
	<i>5.3.1 Pre-Application Meeting</i>							0	\$ -			\$ -
	<i>5.3.2 Prepare and Submit Application Data</i>							0	\$ -			\$ -
	<i>5.3.3 Revise and Resubmit Application Documents</i>							0	\$ -			\$ -
	Subtask 5.3- Total	0	0	0	0	0	0	0	\$ -	\$ -		\$ -
	<i>Subtask 5.4 - Pump Station Permitting Services</i>											
	<i>5.4.1 PBC Site Plan Approval</i>							0	\$ -			\$ -
	<i>5.4.2 SFWMD Environmental Resources Permitting</i>							0	\$ -			\$ -
	<i>5.4.3 PBC Land Development Drainage Review</i>							0	\$ -			\$ -
	<i>5.4.4 PBC Building Department Review</i>							0	\$ -			\$ -
	Subtask 5.4- Total	0	0	0	0	0	0	0	\$ -	\$ -		\$ -
	Task 5 - Subtotal	0	0	0	0	0	0	0	\$ -	\$ -		\$ -
TASK 6	Bidding Support											
	<i>6.1 Review the Bid Advertisement</i>							0	\$ -			\$ -
	<i>6.2 Attend Pre-Bid Meeting</i>							0	\$ -			\$ -
	<i>6.3 Updated OPCC and Schedule</i>							0	\$ -			\$ -
	<i>6.4 Respond to Requests for Additional Information</i>							0	\$ -			\$ -
	<i>6.5 Review and Compile Bid Results</i>							0	\$ -			\$ -
	<i>6.6 Perform Sensitivity Analysis on Line Item Pricing from Bidders</i>							0	\$ -			\$ -
	<i>6.7 Provide Recommendation of Award Letter</i>							0	\$ -			\$ -
	<i>6.8 Preparation of Conformed Documents</i>							0	\$ -			\$ -
	Task 6 - Subtotal	0	0	0	0	0	0	0	\$ -	\$ -		\$ -
TASK 7	Outfall Design and Permitting											
	<i>7.1 Outfall Topographic Survey</i>							0	\$ -			\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description	Senior Project Manager	Project Engineer III	Senior Surveyor and Mapper	Survey Technician	SUE 2 Person Crew	Utility Coordinator	SUB TOTALS			
								Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 70.00	\$ 40.00	\$ 62.00	\$ 40.00	\$ 56.00	\$ 38.00				
	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				
	<i>7.2 Outfall Design Improvements</i>							0	\$ -		\$ -
	<i>7.3 Outfall Improvements Permitting</i>							0	\$ -		\$ -
	<i>7.4 Maintenance of Traffic</i>							0	\$ -		\$ -
	<i>7.5 Instrumentation</i>							0	\$ -		\$ -
	Task 7 - Subtotal	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	Sum of Task 1-7								\$ 15,284.40	\$0.00	\$ 15,284.40
	Labor Subtotal Hours	6	15	8	8	64	0	101	101		
	Labor Raw Costs	\$ 70.00	\$ 40.00	\$ 62.00	\$ 40.00	\$ 56.00	\$ 38.00				
	Labor Subtotal (Bill Rate * Labor Subtotal Hours)	\$ 1,184.40	\$ 1,692.00	\$ 1,398.72	\$ 902.40	\$ 10,106.88	\$ -		\$ 15,284.40		
	PROJECT TOTAL							101	\$ 15,284.40	\$0.00	\$ 15,284.40

**ATTACHMENT E
BUDGET SUMMARY**

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
 PBCWUD Project No.: 23-053

Task Number	Task Description	Project Manager	Project Engineer	Engineer Intern	Designer	Eng Tech / Drafter	SUB TOTALS			
							Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 72.00	\$ 48.00	\$ 40.00	\$ 36.00	\$ 30.00				
	Multiplier >	2.72	2.72	2.72	2.72	2.72				
	Bill Rate >	\$ 195.84	\$ 130.56	\$ 108.80	\$ 97.92	\$ 81.60				
TASK 1	Project Management and Coordination									
	1.1 Kickoff Meeting						0	\$ -		\$ -
	1.2 Coordination and General Correspondence						0	\$ -		\$ -
	1.3 Progress Meetings						0	\$ -		\$ -
	Task 1 - Subtotal	0	0	0	0	0	0	\$ -	\$ -	\$ -
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 Hames)						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	\$ -	\$ -	\$ -
	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 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						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						0	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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
 PBCWUD Project No.: 23-053

Task Number	Task Description						SUB TOTALS			
		Project Manager	Project Engineer	Engineer Intern	Designer	Eng Tech / Drafter	Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 72.00	\$ 48.00	\$ 40.00	\$ 36.00	\$ 30.00				
	Multiplier >	2.72	2.72	2.72	2.72	2.72				
	Bill Rate >	\$ 195.84	\$ 130.56	\$ 108.80	\$ 97.92	\$ 81.60				
	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	0	\$ -	\$ -	\$ -
	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	\$ -		\$ -
	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						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	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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
 PBCWUD Project No.: 23-053

Task Number	Task Description	Project Manager	Project Engineer	Engineer Intern	Designer	Eng Tech / Drafter	SUB TOTALS			
							Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 72.00	\$ 48.00	\$ 40.00	\$ 36.00	\$ 30.00				
	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						0	\$ -		\$ -
	3.4.9 Landscape Architecture						0	\$ -		\$ -
	3.4.10 Electrical Engineering	42	54		78	45	219	\$ 26,585.28		\$ 26,585.28
	3.4.11 Plumbing Engineering						0	\$ -		\$ -
	3.4.12 HVAC Engineering						0	\$ -		\$ -
	3.4.13 Structural Engineering	28		36	32	32	128	\$ 15,144.96		\$ 15,144.96
	3.4.14 Architectural						0	\$ -		\$ -
	Subtask 3.4- Total	70	54	36	110	77	347	\$ 41,730.24	\$ -	\$ 41,730.24
	Task 3 - Subtotal	102	80	54	166	119	521	\$ 62,260.80	\$ -	\$ 62,260.80
TASK 4	Detailed Design									
	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	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	\$ -	\$ -	\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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
 PBCWUD Project No.: 23-053

Task Number	Task Description	Project Manager	Project Engineer	Engineer Intern	Designer	Eng Tech / Drafter	SUB TOTALS			
							Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 72.00	\$ 48.00	\$ 40.00	\$ 36.00	\$ 30.00				
	Multiplier >	2.72	2.72	2.72	2.72	2.72				
	Bill Rate >	\$ 195.84	\$ 130.56	\$ 108.80	\$ 97.92	\$ 81.60				
	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						0	\$ -		\$ -
	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						0	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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
 PBCWUD Project No.: 23-053

Task Number	Task Description	Project Manager	Project Engineer	Engineer Intern	Designer	Eng Tech / Drafter	SUB TOTALS			
							Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 72.00	\$ 48.00	\$ 40.00	\$ 36.00	\$ 30.00				
	Multiplier >	2.72	2.72	2.72	2.72	2.72				
	Bill Rate >	\$ 195.84	\$ 130.56	\$ 108.80	\$ 97.92	\$ 81.60				
	4.5.12 Structural Engineering	14		20	18	18	70	\$ 8,149.12		\$ 8,149.12
	4.5.13 Architectural						0	\$ -		\$ -
	Subtask 4.5- Total	34	26	20	56	42	178	\$ 21,139.84	\$ -	\$ 21,139.84
	Task 4 - Subtotal	242	186	132	386	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	\$ -		\$ -
	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	\$ -	\$ -	\$ -
	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						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						0	\$ -		\$ -
	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	15	12	0	0	0	27	\$ 4,504.32	\$ -	\$ 4,504.32
TASK 6	Bidding Support									
	6.1 Review the Bid Advertisement						0	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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
 PBCWUD Project No.: 23-053

Task Number	Task Description	Project Manager	Project Engineer	Engineer Intern	Designer	Eng Tech / Drafter	SUB TOTALS			
							Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 72.00	\$ 48.00	\$ 40.00	\$ 36.00	\$ 30.00				
	Multiplier >	2.72	2.72	2.72	2.72	2.72				
	Bill Rate >	\$ 195.84	\$ 130.56	\$ 108.80	\$ 97.92	\$ 81.60				
	6.2 Attend Pre-Bid Meeting						0	\$ -		\$ -
	6.3 Updated OPCC and Schedule						0	\$ -		\$ -
	6.4 Respond to Requests for Additional Information	10	15				25	\$ 3,916.80		\$ 3,916.80

**ATTACHMENT E
BUDGET SUMMARY**

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
 PBCWUD Project No.: 23-053

Task Number	Task Description	Project Manager	Project Engineer	Engineer Intern	Designer	Eng Tech / Drafter	SUB TOTALS			
							Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 72.00	\$ 48.00	\$ 40.00	\$ 36.00	\$ 30.00				
	Multiplier >	2.72	2.72	2.72	2.72	2.72				
	Bill Rate >	\$ 195.84	\$ 130.56	\$ 108.80	\$ 97.92	\$ 81.60				
	6.5 Review and Compile Bid Results						0	\$ -		\$ -
	6.6 Perform Sensitivity Analysis on Line Item Pricing from Bidders						0	\$ -		\$ -
	6.7 Provide Recommendation of Award Letter						0	\$ -		\$ -
	6.8 Preparation of Conformed Documents						0	\$ -		\$ -
	Task 6 - Subtotal	10	15	0	0	0	25	\$ 3,916.80	\$ -	\$ 3,916.80
TASK 7	Outfall Design and Permitting									
	7.1 Outfall Topographic Survey						0	\$ -		\$ -
	7.2 Outfall Design Improvements	42	54		78	45	219	\$ 26,585.28		\$ 26,585.28
	7.3 Outfall Improvements Permitting						0	\$ -		\$ -
	7.4 Maintenance of Traffic						0	\$ -		\$ -
	7.5 Instrumentation						0	\$ -		\$ -
	Task 7 - Subtotal	42	54	0	78	45	219	\$ 26,585.28	\$ -	\$ 26,585.28
	Sum of Task 1-7							\$ 243,788.16	\$ 0.00	\$ 243,788.16
	Labor Subtotal Hours	411	347	186	630	442	2016	2016		
	Labor Raw Costs	\$ 72.00	\$ 48.00	\$ 40.00	\$ 36.00	\$ 30.00				
	Labor Subtotal (Bill Rate * Labor Subtotal Hours)	\$ 80,490.24	\$ 45,304.32	\$ 20,236.80	\$ 61,689.60	\$ 36,067.20		\$ 243,788.16		
	PROJECT TOTAL						2016	\$ 243,788.16	\$ 0.00	\$ 243,788.16

**ATTACHMENT E
BUDGET SUMMARY**

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: Brown and Caldwell (Corporation)
 Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2
 PBCWUD Project No.: 23-053

Task Number	Task Description														SUB TOTALS			
		Vice-President	Chief Engineer	Managing Engineer	Senior Engineer	Engineer 2	Supervising Designer	Senior Designer	Senior Project Coordinator	Project Analyst	Project Administrator	Principal Engineer	Supervising cost Estimator	Principal Cost Estimator	Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 148.05	\$ 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	3	3	3	3	3	3	3	3	3	3	3	3				
	Bill Rate >	\$ 300.00	\$ 300.00	\$ 300.00	\$ 195.00	\$ 138.66	\$ 200.46	\$ 148.20	\$ 121.80	\$ 137.34	\$ 79.29	\$ 228.03	\$ 239.31	\$ 244.89				
TASK 1	Project Management and Coordination																	
	1.1 Kickoff Meeting	4	8	8							4				24	\$ 6,317.16	\$ 6,317.16	
	1.2 Coordination and General Correspondence		16	8					15	30	30				99	\$ 15,525.90	\$ 15,525.90	
	1.3 Progress Meetings		24	24					12	12	24				96	\$ 19,412.64	\$ 65.50 \$ 19,478.14	
	Task 1 - Subtotal	4	48	40	0	0	0	0	27	42	58	0	0	0	219	\$ 41,255.70	\$ 65.50 \$ 41,321.20	
TASK 2	Field Services																	
	Subtask 2.1 - Records Review, Site Investigation and Photo Study																	
	2.1.1 Review of record drawings and previous studies			2		4									6	\$ 1,154.64	\$ 1,154.64	
	2.1.2 Review of plans prepared by others adjacent to the project area (at Homes)			2		4									6	\$ 1,154.64	\$ 1,154.64	
	2.1.3 Site visit			8		8									16	\$ 3,509.28	\$ 3,509.28	
	2.1.4 Prepare Technical Memo of Field Observations			2		2					4				8	\$ 1,194.48	\$ 131.00 \$ 1,325.48	
	2.1.5 Chlorine Testing and Analysis	4		4	14										22	\$ 5,130.00	\$ 5,130.00	
	Task 2.1- Total	4	0	18	14	18	0	0	0	0	4	0	0	0	58	\$ 12,143.04	\$ 131.00 \$ 12,274.04	
	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 Level A - Pathholes 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	0	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			4											4	\$ 1,200.00	\$ 1,200.00	
	Task 2.3- Total	0	0	4	0	0	0	0	0	0	0	0	0	0	4	\$ 1,200.00	\$ - \$ 1,200.00	
	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			4											4	\$ 1,200.00	\$ 1,200.00	
	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	4	0	0	0	0	0	0	0	0	0	0	4	\$ 1,200.00	\$ - \$ 1,200.00	
	Task 2 - Subtotal	4	0	26	14	18	0	0	0	0	4	0	0	0	66	\$ 14,543.04	\$ 131.00 \$ 14,674.04	

**ATTACHMENT E
BUDGET SUMMARY**

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.: 3
 Consultant: **Brown and Caldwell (Corporation)**
 Project Title: **SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2**
 PBCWUD Project No.: **23-053**

Task Number	Task Description	Vice-President	Chief Engineer	Managing Engineer	Senior Engineer	Engineer 2	Supervising Designer	Senior Designer	Senior Project Coordinator	Project Analyst	Project Administrator	Principal Engineer	Supervising cost Estimator	Principal Cost Estimator	SUB TOTALS			
															Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 148.05	\$ 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	3	3	3	3	3	3	3	3	3	3	3	3				
	Bill Rate >	\$ 300.00	\$ 300.00	\$ 300.00	\$ 195.00	\$ 138.66	\$ 200.46	\$ 148.20	\$ 121.80	\$ 137.34	\$ 79.29	\$ 228.03	\$ 239.31	\$ 244.89				
	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	4	12	80	60	80	156	80	104	0	0	24	61	21	682	\$ 132,601.08	\$ -	\$ 132,601.08
	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	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	Subtask 4.3 - 90% Pump Station Design Submittal																	
	4.3.1 Design, BIM, and Quality Management		4	24	16	100			80						224	\$ 40,408.56	\$ -	\$ 40,408.56
	4.3.2 General Sheets			16	8	32		40							96	\$ 16,725.12	\$ -	\$ 16,725.12
	4.3.3 Proc-Mech Design				40	50		40							130	\$ 20,661.00	\$ -	\$ 20,661.00
	4.3.4 OPCC and Construction Schedule		4	8								24	61	21	118	\$ 28,813.32	\$ -	\$ 28,813.32
	4.3.5 Quality Review			24											24	\$ 7,200.00	\$ -	\$ 7,200.00
	4.3.6 Workshop	4	4	8	8	24			4						52	\$ 11,658.24	\$ -	\$ 11,658.24
	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	4	12	80	56	98	124	80	84	0	0	24	61	21	644	\$ 125,466.24	\$ -	\$ 125,466.24
	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	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	Subtask 4.5 - 100% Pump Station Design Submittal																	
	4.5.1 Design, BIM, and Quality Management		4	24	16	48			24						116	\$ 23,163.84	\$ -	\$ 23,163.84
	4.5.2 General Sheets			16	8	32		40							96	\$ 16,725.12	\$ -	\$ 16,725.12
	4.5.3 Proc-Mech Design				40	50		40							130	\$ 20,661.00	\$ -	\$ 20,661.00
	4.5.4 OPCC and Construction Schedule			8											8	\$ 2,400.00	\$ -	\$ 2,400.00
	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	4	48	48	98	48	80	24	0	0	0	0	0	350	\$ 62,949.96	\$ -	\$ 62,949.96
	Task 4 - Subtotal	8	28	208	164	276	328	240	212	0	0	48	122	42	1676	\$ 321,017.28	\$ -	\$ 321,017.28
TASK 5	Pipeline Permitting Services																	
	Subtask 5.1 - Permitting for Roadway Impacts (PBC Land																	
	5.1.1 Pre-Application Meeting														0	\$ -	\$ -	\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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*
 PBCWUD Project No.: *23-053*

Task Number	Task Description							SUB TOTALS			
		Principal Engineer	Project Engineer	Engineer	Senior Cadd/ Designer	CAD TECH	Administration	Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 76.00	\$ 64.89	\$ 36.00	\$ 32.00	\$ 28.00	\$ 24.00				
	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				
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		\$ 16,352.10
	1.3 Progress Meetings	24	24	36	6		4	94	\$ 11,172.06		\$ 11,172.06
	Task 1 - Subtotal	64	64	76	12	0	4	220	\$ 27,524.16	\$0.00	\$ 27,524.16
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)										
	2.2.1 Palm Beach County and Florida Department of 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	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	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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**
 PBCWUD Project No.: **23-053**

Task Number	Task Description							SUB TOTALS			
		Principal Engineer	Project Engineer	Engineer	Senior Cadd/ Designer	CAD TECH	Administration	Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 76.00	\$ 64.89	\$ 36.00	\$ 32.00	\$ 28.00	\$ 24.00				
	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				
	<i>2.4.5 Maintenance of Traffic</i>							0	\$ -		\$ -
	Task 2.4- Total	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	Task 2 - Subtotal	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
TASK 3	Preliminary Design										
	<i>Subtask 3.1 - Outfall Operational Review</i>										
	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	0	0	\$ -	\$ -	\$ -
	<i>Subtask 3.2 - Pump Station Basis of Design Report and 10% Design</i>										
	3.2.1 Basis of Design Report (BODR) Conceptual 10% Design	1	4	2	3			10	\$ 1,133.01		\$ 1,133.01
	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	1	2					3	\$ 463.01		\$ 463.01
	3.2.6 Workshop							0	\$ -		\$ -
	Subtask 3.2- Total	2	6	2	3	0	0	13	\$ 1,596.02	\$ -	\$ 1,596.02
	<i>Subtask 3.3 - 30% Pipeline Design Plan Preparation</i>										
	3.3.1 30% Pipeline Plans							0	\$ -		\$ -
	Subtask 3.3- Total	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	<i>Subtask 3.4 - 30% Pump Station Design Plan Preparation</i>										
	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 Workshop							0	\$ -		\$ -
	3.4.8 Site Civil Engineering							0	\$ -		\$ -
	3.4.9 Landscape Architecture							0	\$ -		\$ -
	3.4.10 Electrical Engineering	2	3	12	20			38	\$ 3,246.01		\$ 3,246.01
	3.4.11 Plumbing Engineering	3	3	16	22			11	\$ 3,885.01		\$ 3,885.01

**ATTACHMENT E
BUDGET SUMMARY**

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**
 PBCWUD Project No.: **23-053**

Task Number	Task Description							SUB TOTALS			
		Principal Engineer	Project Engineer	Engineer	Senior Cadd/ Designer	CAD TECH	Administration	Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 76.00	\$ 64.89	\$ 36.00	\$ 32.00	\$ 28.00	\$ 24.00				
	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				
	3.4.12 HVAC Engineering	4	6	24	24		1	59	\$ 5,286.02		\$ 5,286.02
	3.4.13 Structural Engineering							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										
	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	6	10	14	40		1	71	\$ 6,554.03		\$ 6,554.03
	4.1.10 Plumbing Engineering	8	12	16	40		1	77	\$ 7,350.03		\$ 7,350.03
	4.1.11 HVAC Engineering	8	12	24	40		1	85	\$ 7,998.03		\$ 7,998.03
	4.1.12 Structural Engineering							0	\$ -		\$ -
	4.1.13 Architectural							0	\$ -		\$ -
	Subtask 4.1- Total	22	34	54	120	0	3	233	\$ 21,902.09	\$ -	\$ 21,902.09
	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	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	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

Palm Beach County Water Utilities Department
 Contract for Consulting/Professional Services *SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2*
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 Consultant: C & W Engineering, Inc.
 Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2
 PBCWUD Project No.: 23-053

Task Number	Task Description							SUB TOTALS			
		Principal Engineer	Project Engineer	Engineer	Senior Cadd/ Designer	CAD TECH	Administration	Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 76.00	\$ 64.89	\$ 36.00	\$ 32.00	\$ 28.00	\$ 24.00				
	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				
	4.3.8 Landscape Architecture							0	\$ -		\$ -
	4.3.9 Electrical Engineering	6	10	18	37		1	72	\$ 6,662.03		\$ 6,662.03
	4.3.10 Plumbing Engineering	8	12	30	40		1	91	\$ 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							0	\$ -		\$ -
	4.3.13 Architectural							0	\$ -		\$ -
	Subtask 4.3- Total	22	34	84	117	0	3	260	\$ 24,116.09	\$ -	\$ 24,116.09
	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	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	4	3	9.5	24		1	41.5	\$ 3,673.51		\$ 3,673.51
	4.5.10 Plumbing Engineering	6	4	15	24	0	1	50	\$ 4,607.01		\$ 4,607.01
	4.5.11 HVAC Engineering	6	4	20	24		1	55	\$ 5,012.01		\$ 5,012.01
	4.5.12 Structural Engineering							0	\$ -		\$ -
	4.5.13 Architectural							0	\$ -		\$ -
	Subtask 4.5- Total	16	11	44.5	72	0	3	146.5	\$ 13,292.53	\$ -	\$ 13,292.53
	Task 4 - Subtotal	60	79	182.5	309	0	9	639.5	\$ 59,310.70	\$ -	\$ 59,310.70
	TASK 5 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	0	0	\$ -	\$ -	\$ -
	Subtask 5.2 - Permitting for Roadway Impacts (FDOT)										
	5.2.1 Pre-Application Meeting							0	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

Palm Beach County Water Utilities Department
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 Resolution No. Contract Dated
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 Consultant: **C & W Engineering, Inc.**
 Project Title: **SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2**
 PBCWUD Project No.: **23-053**

Task Number	Task Description	Principal Engineer	Project Engineer	Engineer	Senior Cadd/ Designer	CAD TECH	Administration	SUB TOTALS				
								Total Hours	Total Labor	Total Expenses	Total Labor and Expenses	
	Raw Rate >	\$ 76.00	\$ 64.89	\$ 36.00	\$ 32.00	\$ 28.00	\$ 24.00					
	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					
	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	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	0	\$ -	\$ -		\$ -
	Subtask 5.4 - Pump Station Permitting Services											
	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	\$ -			\$ -
	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	8	0	0	20	\$ 2,428.02	\$ -		\$ 2,428.02
	TASK 6 Bidding Support											
	6.1 Review the Bid Advertisement							0	\$ -			\$ -
	6.2 Attend Pre-Bid Meeting	3.5	4	3.5		2		13	\$ 1,592.01			\$ 1,592.01
	6.3 Updated DPCC and Schedule							0	\$ -			\$ -
	6.4 Respond to Requests for Additional Information		2	4	4			10	\$ 904.01			\$ 904.01
	6.5 Review and Compile Bid Results							0	\$ -			\$ -
	6.6 Perform Sensitivity Analysis on Line Item Pricing from Bidders							0	\$ -			\$ -
	6.7 Provide Recommendation of Award Letter							0	\$ -			\$ -
	6.8 Preparation of Conformed Documents				8			8	\$ 576.00			\$ 576.00
	Task 6 - Subtotal	3.5	6	7.5	12	2	0	31	\$ 3,072.02	\$ -		\$ 3,072.02
	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 - Subtotal	0	0	0	0	0	0	0	\$ -	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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 Consultant: C & W Engineering, Inc.
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 PBCWUD Project No.: 23-053

Task Number	Task Description	Principal Engineer	Project Engineer	Engineer	Senior Cadd/ Designer	CAD TECH	Administration	SUB TOTALS			
								Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 76.00	\$ 64.89	\$ 36.00	\$ 32.00	\$ 28.00	\$ 24.00				
	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				
	Sum of Task 1-7								\$ 106,347.94	\$ 0.00	\$ 106,347.94
	Labor Subtotal Hours	142.5	175	320	410	2	16	1065.5	1065.5		
	Labor Raw Costs	\$ 76.00	\$ 64.89	\$ 36.00	\$ 32.00	\$ 28.00	\$ 24.00				
	Labor Subtotal (Bill Rate * Labor Subtotal Hours)	\$ 24,367.50	\$ 25,550.44	\$ 25,920.00	\$ 29,520.00	\$ 126.00	\$ 864.00		\$ 106,347.94		
	PROJECT TOTAL							1065.5	\$ 106,347.94	\$ 0.00	\$ 106,347.94

**ATTACHMENT E
BUDGET SUMMARY**

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 Consultant: HBC Engineering Company
 Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2
 PBCWUD Project No.: 23-053

Task Number	Task Description	Principal Engineer	Sr. Water Resources Eng. I	Sr. Site/Civil Eng.	Water Resources Eng. Intern	SUB TOTALS			
						Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	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				
TASK 1	Project Management and Coordination								
	1.1 Kickoff Meeting					0	\$ -		\$ -
	1.2 Coordination and General Correspondence					0	\$ -		\$ -
	1.3 Progress Meetings					0	\$ -		\$ -
	Task 1 - Subtotal	0	0	0	0	0	\$ -	\$0.00	\$ -
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)								
	2.2.1 Palm Beach County and Florida Department of 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	\$ -	\$ -	\$ -
	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	\$ -	\$ -	\$ -
	Subtask 2.4 - Survey								
	2.4.1 Route Survey					0	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

Palm Beach County Water Utilities Department
 Contract for Consulting/Professional Services *SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2*
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 Project Title: **SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2**
 PBCWUD Project No.: 23-053

Task Number	Task Description	Principal Engineer	Sr. Water Resources Eng. I	Sr. Site/Civil Eng.	Water Resources Eng. Intern	SUB TOTALS			
						Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	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				
	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	\$ -		\$ -
	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								
	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

**ATTACHMENT E
BUDGET SUMMARY**

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 PBCWUD Project No.: 23-053

Task Number	Task Description	Principal Engineer	Sr. Water Resources Eng. I	Sr. Site/Civil Eng.	Water Resources Eng. Intern	SUB TOTALS			
						Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	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				
	<i>3.4.2 Design, BIM, and Quality Management</i>		1	2	4	7	\$ 1,068.12		\$ 1,068.12
	<i>3.4.3 General Sheets</i>					0	\$ -		\$ -
	<i>3.4.4 Proc-Mech Design</i>					0	\$ -		\$ -
	<i>3.4.5 OPCC and Construction Schedule</i>					0	\$ -		\$ -
	<i>3.4.6 Quality Review</i>					0	\$ -		\$ -
	<i>3.4.7 Workshop</i>					0	\$ -		\$ -
	<i>3.4.8 Site Civil Engineering</i>					0	\$ -		\$ -
	<i>3.4.9 Landscape Architecture</i>					0	\$ -		\$ -
	<i>3.4.10 Electrical Engineering</i>					0	\$ -		\$ -
	<i>3.4.11 Plumbing Engineering</i>					0	\$ -		\$ -
	<i>3.4.12 HVAC Engineering</i>					0	\$ -		\$ -
	<i>3.4.13 Structural Engineering</i>					0	\$ -		\$ -
	<i>3.4.14 Architectural</i>					0	\$ -		\$ -
	Subtask 3.4- Total	0	3	6	12	21	\$ 3,204.36	\$ -	\$ 3,204.36
	Task 3 - Subtotal	0	5	10	20	37	\$ 5,340.60	\$ -	\$ 5,340.60
TASK 4	Detailed Design								
	<i>Subtask 4.1 - 60% Pump Station Design Submittal</i>								
	<i>4.1.1 Design, BIM, and Quality Management</i>					0	\$ -		\$ -
	<i>4.1.2 General Sheets</i>					0	\$ -		\$ -
	<i>4.1.3 Proc-Mech Design</i>					0	\$ -		\$ -
	<i>4.1.4 OPCC and Construction Schedule</i>					0	\$ -		\$ -
	<i>4.1.5 Quality Review</i>					0	\$ -		\$ -
	<i>4.1.6 Workshop</i>					0	\$ -		\$ -
	<i>4.1.7 Site Civil Engineering</i>	5	4	24	160	193	\$ 24,239.85		\$ 24,239.85
	<i>4.1.8 Landscape Architecture</i>					0	\$ -		\$ -
	<i>4.1.9 Electrical Engineering</i>					0	\$ -		\$ -
	<i>4.1.10 Plumbing Engineering</i>					0	\$ -		\$ -
	<i>4.1.11 HVAC Engineering</i>					0	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

Palm Beach County Water Utilities Department
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 PBCWUD Project No.: 23-053

Task Number	Task Description	Principal Engineer	Sr. Water Resources Eng. I	Sr. Site/Civil Eng.	Water Resources Eng. Intern	SUB TOTALS			
						Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	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				
	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	\$ -	\$ 24,239.85
	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	2	4	24	160	190	\$ 23,475.30		\$ 23,475.30
	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	2	4	24	160	190	\$ 23,475.30	\$ -	\$ 23,475.30
	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	\$ -	\$ -	\$ -
	Subtask 4.5 - 100% Pump Station Design Submittal								
	4.5.1 Design, BIM, and Quality Management					0	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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Task Number	Task Description	Principal Engineer	Sr. Water Resources Eng. I	Sr. Site/Civil Eng.	Water Resources Eng. Intern	SUB TOTALS			
						Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	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				
	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	1	2	8	24	35	\$ 4,900.77		\$ 4,900.77
	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	1	2	8	24	35	\$ 4,900.77	\$ -	\$ 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)								
	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								
	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	\$ -	\$ -	\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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**
 PBCWUD Project No.: **23-053**

Task Number	Task Description	Principal Engineer	Sr. Water Resources Eng. I	Sr. Site/Civil Eng.	Water Resources Eng. Intern	SUB TOTALS			
						Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	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				
	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 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 - Subtotal	0	0	0	0	0	\$ -	\$ -	\$ -
	Sum of Task 1-7						\$ 74,999.31	\$ -	\$ 74,999.31

**ATTACHMENT E
BUDGET SUMMARY**

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**
 PBCWUD Project No.: **23-053**

Task Number	Task Description					SUB TOTALS			
		Principal Engineer	Sr. Water Resources Eng. I	Sr. Site/Civil Eng.	Water Resources Eng. Intern	Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	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				
	Labor Subtotal Hours	11	27	130	372	542.5	542.5		
	Labor Raw Costs	\$ 84.95	\$ 82.00	\$ 64.90	\$ 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	\$ 74,999.31

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description	Project Manager	Professional Engineer	Lead Engineer	Administrative Assistant	SUB TOTALS			
						Total 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	\$ 156.32	\$ 78.25				
TASK 1	Project Management and Coordination								
	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					0	\$ -		\$ -
	Task 1 - Subtotal	6	27	27	6	66	\$ 11,177.61	\$0.00	\$ 11,177.61
TASK 2	Field Services								
	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)					0	\$ -		\$ -
	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 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	\$ -	\$ -	\$ -
	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	\$ -	\$ -	\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description					SUB TOTALS			
		Project Manager	Professional Engineer	Lead Engineer	Administrative Assistant	Total 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	\$ 156.32	\$ 78.25				
	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	\$ -		\$ -
	2.4.5 Maintenance of Traffic					0	\$ -		\$ -
	Task 2.4- Total	0	0	0	0	0	\$ -	\$ -	\$ -
	Task 2 - Subtotal	4	8	20	2	34	\$ 5,735.24	\$ -	\$ 5,735.24
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								
	3.2.1 Basis of Design Report (BODR) Conceptual 10% Design	2	6	8	1	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					0	\$ -		\$ -
	3.2.6 Workshop					0	\$ -		\$ -
	Subtask 3.2- Total	2	6	8	1	17	\$ 2,929.51	\$ -	\$ 2,929.51
	Subtask 3.3 - 30% Pipeline Design Plan Preparation								
	3.3.1 30% Pipeline Plans					0	\$ -		\$ -
	Subtask 3.3- Total	0	0	0	0	0	\$ -	\$ -	\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description	Project Manager	Professional Engineer	Lead Engineer	Administrative Assistant	SUB TOTALS			
						Total 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	\$ 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					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 Workshop					0	\$ -		\$ -
	3.4.8 Site Civil Engineering					0	\$ -		\$ -
	3.4.9 Landscape Architecture					0	\$ -		\$ -
	3.4.10 Electrical Engineering	4	8	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	\$ -	\$ 9,211.77
	Task 3 - Subtotal	8	20	40	3	71	\$ 12,141.28	\$ -	\$ 12,141.28
TASK 4	Detailed Design								
	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	12	35	75	2	124	\$ 21,297.38		\$ 21,297.38

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description	Project Manager	Professional Engineer	Lead Engineer	Administrative Assistant	SUB TOTALS			
						Total 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	\$ 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	\$ -	\$ -	\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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**

Task Number	Task Description	Project Manager	Professional Engineer	Lead Engineer	Administrative Assistant	SUB TOTALS			
						Total 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	\$ 156.32	\$ 78.25				
	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	5	12	20	2	39	\$ 6,722.87		\$ 6,722.87
	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	5	12	20	2	39	\$ 6,722.87	\$ -	\$ 6,722.87
	Task 4 - Subtotal	25	72	130	6	233	\$ 40,238.01	\$ -	\$ 40,238.01
TASK 5	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	\$ -	\$ -	\$ -
	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					0	\$ -		\$ -
	Subtask 5.2- Total	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	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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**

Task Number	Task Description					SUB TOTALS			
		Project Manager	Professional Engineer	Lead Engineer	Administrative Assistant	Total 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	\$ 156.32	\$ 78.25				
	<i>5.3.3 Revise and Resubmit Application Documents</i>					0	\$ -		\$ -
	Subtask 5.3- Total	0	0	0	0	0	\$ -	\$ -	\$ -
	Subtask 5.4 - Pump Station Permitting Services								
	<i>5.4.1 PBC Site Plan Approval</i>		6	6	1	13	\$ 2,139.73		\$ 2,139.73
	<i>5.4.2 SFWMD Environmental Resources Permitting</i>					0	\$ -		\$ -
	<i>5.4.3 PBC Land Development Drainage Review</i>					0	\$ -		\$ -
	<i>5.4.4 PBC Building Department Review</i>					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								
	<i>6.1 Review the Bid Advertisement</i>					0	\$ -		\$ -
	<i>6.2 Attend Pre-Bid Meeting</i>					0	\$ -		\$ -
	<i>6.3 Updated OPCC and Schedule</i>					0	\$ -		\$ -
	<i>6.4 Respond to Requests for Additional Information</i>	0	12	18	2	33	\$ 5,217.37		\$ 5,217.37
	<i>6.5 Review and Compile Bid Results</i>					0	\$ -		\$ -
	<i>6.6 Perform Sensitivity Analysis on Line Item Pricing from Bidders</i>					0	\$ -		\$ -
	<i>6.7 Provide Recommendation of Award Letter</i>					0	\$ -		\$ -
	<i>6.8 Preparation of Conformed Documents</i>		4	7	1	12	\$ 1,921.52		\$ 1,921.52
	Task 6 - Subtotal	0	16	25	3	45	\$ 7,138.89	\$ -	\$ 7,138.89
TASK 7	Outfall Design and Permitting								
	<i>7.1 Outfall Topographic Survey</i>					0	\$ -		\$ -
	<i>7.2 Outfall Design Improvements</i>					0	\$ -		\$ -
	<i>7.3 Outfall Improvements Permitting</i>					0	\$ -		\$ -
	<i>7.4 Maintenance of Traffic</i>					0	\$ -		\$ -
	<i>7.5 Instrumentation</i>	6	30	90	6	132	\$ 21,587.38		\$ 21,587.38
	Task 7 - Subtotal	6	30	90	6	132	\$ 21,587.38	\$ -	\$ 21,587.38

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description							SUB TOTALS			
		Project Director	Senior Project Manager	Project Manager	Senior Technician	Designer	Clerical	Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 66.76	\$ 43.26	\$ 30.25	\$ 25.00	\$ 35.00	\$ 27.71				
	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 1	Project Management and Coordination										
	1.1 Kickoff Meeting							0	\$ -		\$ -
	1.2 Coordination and General Correspondence							0	\$ -		\$ -
	1.3 Progress Meetings							0	\$ -		\$ -
	Task 1 - Subtotal	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
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)										
	2.2.1 Palm Beach County and Florida Department of Transportation Right-of-Way Permitting	12						12	\$ 2,195.98		\$ 2,195.98
	2.2.2 Level A - Potholes for Verification of Utility Locations	44	74	410	410	100	3	1041	\$ 88,742.52		\$ 88,742.52
	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				64			64	\$ 4,385.82	\$ 8,394.48	\$ 12,780.30
	Task 2.2- Total	56	74	410	474	100	3	1117	\$ 95,324.32	\$ 8,394.48	\$ 103,718.80
	Subtask 2.3 - Geotechnical Investigation										
	2.3.1 Palm Beach County and FDOT Right-of-Way Permitting							0	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description	Project Director	Senior Project Manager	Project Manager	Senior Technician	Designer	Clerical	SUB TOTALS			
								Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 66.76	\$ 43.26	\$ 30.25	\$ 25.00	\$ 35.00	\$ 27.71				
	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				
	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	\$ -		\$ -
	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
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	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							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	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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**

Task Number	Task Description							SUB TOTALS			
		Project Director	Senior Project Manager	Project Manager	Senior Technician	Designer	Clerical	Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 66.76	\$ 43.26	\$ 30.25	\$ 25.00	\$ 35.00	\$ 27.71				
	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				
	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	0	0	0	0	0	0	\$ -	\$ -	\$ -
	Task 3 - Subtotal	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
TASK 4	Detailed Design										
	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	0	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	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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**

Task Number	Task Description							SUB TOTALS			
		Project Director	Senior Project Manager	Project Manager	Senior Technician	Designer	Clerical	Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 66.76	\$ 43.26	\$ 30.25	\$ 25.00	\$ 35.00	\$ 27.71				
	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							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	\$ -		\$ -
	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	\$ -	\$ -	\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description	Project Director	Senior Project Manager	Project Manager	Senior Technician	Designer	Clerical	SUB TOTALS			
								Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 66.76	\$ 43.26	\$ 30.25	\$ 25.00	\$ 35.00	\$ 27.71				
	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 5	Pipeline Permitting Services										
	<i>Subtask 5.1 - Permitting for Roadway Impacts (PBC Land Development)</i>										
	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	0	0	\$ -	\$ -	\$ -
	<i>Subtask 5.2 - Permitting for Roadway Impacts (FDOT)</i>										
	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	0	0	\$ -	\$ -	\$ -
	<i>Subtask 5.3 - Permitting with Lake Worth Drainage District</i>										
	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	0	\$ -	\$ -	\$ -
	<i>Subtask 5.4 - Pump Station Permitting Services</i>										
	5.4.1 PBC Site Plan Approval							0	\$ -		\$ -
	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	0	0	0	0	0	0	\$ -	\$ -	\$ -
	Task 5 - Subtotal	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
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							0	\$ -		\$ -
	6.5 Review and Compile Bid Results							0	\$ -		\$ -
	6.6 Perform Sensitivity Analysis on Line Item Pricing from Bidders							0	\$ -		\$ -
	6.7 Provide Recommendation of Award Letter							0	\$ -		\$ -
	6.8 Preparation of Conformed Documents							0	\$ -		\$ -
	Task 6 - Subtotal	0	0	0	0	0	0	0	\$ -	\$ -	\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description							SUB TOTALS			
		Project Director	Senior Project Manager	Project Manager	Senior Technician	Designer	Clerical	Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 66.76	\$ 43.26	\$ 30.25	\$ 25.00	\$ 35.00	\$ 27.71				
	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	\$ 983.40
	Task 7 - Subtotal	4	6	35	51	10	1	107	\$ 8,875.98	\$ 983.40	\$ 9,859.38
	Sum of Task 1-7								\$ 104,200.30	\$ 9,377.88	\$ 113,578.17
	Labor Subtotal Hours	60	80	445	525	110	4	1224	1224		
	Labor Raw Costs	\$ 66.76	\$ 43.26	\$ 30.25	\$ 25.00	\$ 35.00	\$ 27.71				
	Labor Subtotal (Bill Rate * Labor Subtotal Hours)	\$ 10,979.91	\$ 9,486.54	\$ 36,899.17	\$ 35,977.46	\$ 10,553.39	\$ 303.83		\$ 104,200.30		
	PROJECT TOTAL							1224	\$ 104,200.30	\$ 9,377.88	\$ 113,578.17

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description	Principal	Senior Engineer	Engineer	Senior Technician	Designer	Total Hours	SUB TOTALS		
								Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 66.67	\$ 60.00	\$ 31.00	\$ 33.33	\$ 31.33				
	Multiplier >	3	3	3	3	3				
	Bill Rate >	\$ 200.00	\$ 180.00	\$ 93.00	\$ 100.00	\$ 94.00				
TASK 1	Project Management and Coordination									
	1.1 Kickoff Meeting						0	\$ -		\$ -
	1.2 Coordination and General Correspondence						0	\$ -		\$ -
	1.3 Progress Meetings						0	\$ -		\$ -
	Task 1 - Subtotal	0	0	0	0	0	0	\$ -	\$ -	\$ -
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	\$ -	\$ -	\$ -
	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 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 Soil Borings and Geotechnical Testing	3	15	12	12	8	50	\$ 6,368.00	\$ 80,775.00	\$ 87,143.00
	Task 2.3- Total	3	25	12	12	8	60	\$ 8,168.00	\$ 80,775.00	\$ 88,943.00
	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	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description	Principal	Senior Engineer	Engineer	Senior Technician	Designer	Total Hours	SUB TOTALS		
								Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 66.67	\$ 60.00	\$ 31.00	\$ 33.33	\$ 31.33				
	Multiplier >	3	3	3	3	3				
	Bill Rate >	\$ 200.00	\$ 180.00	\$ 93.00	\$ 100.00	\$ 94.00				
	<i>2.4.5 Maintenance of Traffic</i>						0	\$ -		\$ -
	Task 2.4- Total	0	0	0	0	0	0	\$ -	\$ -	\$ -
	Task 2 - Subtotal	3	25	12	12	8	60	\$ 8,168.00	\$ 80,775.00	\$ 88,943.00
TASK 3	Preliminary Design									
	<i>Subtask 3.1 - Outfall Operational Review</i>									
	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	0	\$ -	\$ -	\$ -
	<i>Subtask 3.2 - Pump Station Basis of Design Report and 10% Design</i>									
	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						0	\$ -		\$ -
	Subtask 3.2- Total	0	0	0	0	0	0	\$ -	\$ -	\$ -
	<i>Subtask 3.3 - 30% Pipeline Design Plan Preparation</i>									
	3.3.1 30% Pipeline Plans						0	\$ -		\$ -
	Subtask 3.3- Total	0	0	0	0	0	0	\$ -	\$ -	\$ -
	<i>Subtask 3.4 - 30% Pump Station Design Plan Preparation</i>									
	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 Workshop						0	\$ -		\$ -
	3.4.8 Site Civil Engineering						0	\$ -		\$ -
	3.4.9 Landscape Architecture						0	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description						SUB TOTALS			
		Principal	Senior Engineer	Engineer	Senior Technician	Designer	Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 66.67	\$ 60.00	\$ 31.00	\$ 33.33	\$ 31.33				
	Multiplier >	3	3	3	3	3				
	Bill Rate >	\$ 200.00	\$ 180.00	\$ 93.00	\$ 100.00	\$ 94.00				
	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	0	0	0	0	0	\$ -	\$ -	\$ -
	Task 3 - Subtotal	0	0	0	0	0	0	\$ -	\$ -	\$ -
TASK 4	Detailed Design									
	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	\$ -	\$ -	\$ -
	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	\$ -	\$ -	\$ -
	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	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description	Principal	Senior Engineer	Engineer	Senior Technician	Designer	SUB TOTALS			
							Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 66.67	\$ 60.00	\$ 31.00	\$ 33.33	\$ 31.33				
	Multiplier >	3	3	3	3	3				
	Bill Rate >	\$ 200.00	\$ 180.00	\$ 93.00	\$ 100.00	\$ 94.00				
	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						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	\$ -	\$ -	\$ -
	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						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	\$ -	\$ -	\$ -
	Task 4 - Subtotal	0	0	0	0	0	0	\$ -	\$ -	\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description	Principal	Senior Engineer	Engineer	Senior Technician	Designer	SUB TOTALS			
							Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 66.67	\$ 60.00	\$ 31.00	\$ 33.33	\$ 31.33				
	Multiplier >	3	3	3	3	3				
	Bill Rate >	\$ 200.00	\$ 180.00	\$ 93.00	\$ 100.00	\$ 94.00				
TASK 5	Pipeline Permitting Services									
	<i>Subtask 5.1 - Permitting for Roadway Impacts (PBC Land</i>									
	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	0	\$ -	\$ -	\$ -
	<i>Subtask 5.2 - Permitting for Roadway Impacts (FDOT)</i>									
	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	0	\$ -	\$ -	\$ -
	<i>Subtask 5.3 - Permitting with Lake Worth Drainage District</i>									
	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	\$ -	\$ -	\$ -
	<i>Subtask 5.4 - Pump Station Permitting Services</i>									
	5.4.1 PBC Site Plan Approval						0	\$ -		\$ -
	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	0	0	0	0	0	\$ -	\$ -	\$ -
	Task 5 - Subtotal	0	0	0	0	0	0	\$ -	\$ -	\$ -
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						0	\$ -		\$ -
	6.5 Review and Compile Bid Results						0	\$ -		\$ -
	6.6 Perform Sensitivity Analysis on Line Item Pricing from Bidders						0	\$ -		\$ -
	6.7 Provide Recommendation of Award Letter						0	\$ -		\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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

Task Number	Task Description	Principal	Senior Engineer	Engineer	Senior Technician	Designer	Total Hours	SUB TOTALS		
								Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 66.67	\$ 60.00	\$ 31.00	\$ 33.33	\$ 31.33				
	Multiplier >	3	3	3	3	3				
	Bill Rate >	\$ 200.00	\$ 180.00	\$ 93.00	\$ 100.00	\$ 94.00				
	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						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	\$ 88,943.00
	Labor Subtotal Hours	3	25	12	12	8	60	60		
	Labor Raw Costs	\$ 66.67	\$ 60.00	\$ 31.00	\$ 33.33	\$ 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

**ATTACHMENT E
BUDGET SUMMARY**

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: Keshwarz & Associates, Inc.
 Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2
 PBWUD Project No.: 23-033

Task Number	Task Description	Raw Rate >	Multiplier >	Bill Rate >	Senior Project Manager	Senior Project Engineer / Supervisor	Project Engineer / Surveyor	Senior Designer	Design / CAD Technician	Intern	Senior Construction Representative	Construction Representative	Survey Crew	Utility / Permit Coordinator	Project / Contract Administrator or	Clerical	Hours	Total Labor	Total Expenses	Total Labor and Expenses
		\$ 100.00	3	\$ 300.00	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	6.6 Perform Sensitivity Analysis on the Item Pricing from Bidders	\$ 85.00	3	\$ 255.00	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	6.7 Provide Recommendation of Award Letter	\$ 66.00	3	\$ 198.00	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	6.8 Preparation of Confirmed Documents	\$ 66.00	3	\$ 198.00	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
TASK 7	Overall Design and Permitting	\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
	7.1 Overall Design and Permitting	\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
	7.2 Overall Design Improvements	\$ 45.00	3	\$ 135.00	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	7.3 Overall Improvements Permitting	\$ 45.00	3	\$ 135.00	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	7.4 Maintenance of Traffic	\$ 45.00	3	\$ 135.00	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	7.5 Instrumentation	\$ 45.00	3	\$ 135.00	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	Task 7 - Subtotal	\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
	Sum of Task 1-7	\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
	LABOR SUBTOTAL HOURS	\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
	LABOR RAW COSTS	\$ 66.00	3	\$ 198.00	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	LABOR SUBTOTAL (Bill Rate * Labor Subtotal Hours)	\$ 25,500.00	3	\$ 76,500.00	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	PROJECT TOTAL	\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0	0	0	0	148	\$ 23,640.00	\$ 23,640.00	\$ 23,640.00
		\$ 45.00	3	\$ 135.00	4	40	40	56	40	0	0	0	0							

**ATTACHMENT E
BUDGET SUMMARY**

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
 PBCWUD Project No.: 23-053

Task Number	Task Description	Principal	Architect Project Manager	Architect Senior Architect	Architect Senior Interior Designer	Architect Designer	Architect Project Administrator	SUB TOTALS			
								Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 100.00	\$ 75.00	\$ 66.67	\$ 50.00	\$ 45.00	\$ 30.00				
	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				
TASK 1	Project Management and Coordination										
	1.1 Kickoff Meeting	2	2					4	\$ 1,046.50		\$ 1,046.50
	1.2 Coordination and General Correspondence		2					2	\$ 448.50		\$ 448.50
	1.3 Progress Meetings							0	\$ -	\$ -	\$ -
	Task 1 - Subtotal	2	4	0	0	0	0	6	\$ 1,495.00	\$ -	\$ 1,495.00
TASK 2	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
	2.1.2 Review of plans prepared by others adjacent to the project 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	0	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 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	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	\$ -		\$ -
	2.4.5 Maintenance of Traffic							0	\$ -		\$ -
	Task 2.4- Total	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	Task 2 - Subtotal	0	4	8	0	0	0	12	\$ 2,491.75	\$ -	\$ 2,491.75

**ATTACHMENT E
BUDGET SUMMARY**

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**
 PBCWUD Project No.: **23-053**

Task Number	Task Description	Principal	Architect Project Manager	Architect Senior Architect	Architect Senior Interior Designer	Architect Designer	Architect Project Administrator	SUB TOTALS			
								Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 100.00	\$ 75.00	\$ 66.67	\$ 50.00	\$ 45.00	\$ 30.00				
	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				
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	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							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 Workshop							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							0	\$ -		\$ -
	3.4.12 HVAC Engineering							0	\$ -		\$ -
	3.4.13 Structural Engineering							0	\$ -		\$ -
	3.4.14 Architectural	4	25	40	8	24	0	101	\$ 19,201.18		\$ 19,201.18
	Subtask 3.4- Total	4	25	40	8	24	0	101	\$ 19,201.18	\$ -	\$ 19,201.18
	Task 3 - Subtotal	4	25	40	8	24	0	101	\$ 19,201.18	\$ -	\$ 19,201.18

**ATTACHMENT E
BUDGET SUMMARY**

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**
 PBCWUD Project No.: **23-053**

Task Number	Task Description							SUB TOTALS			
		Principal	Architect Project Manager	Architect Senior Architect	Architect Senior Interior Designer	Architect Designer	Architect Project Administrator	Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 100.00	\$ 75.00	\$ 66.67	\$ 50.00	\$ 45.00	\$ 30.00				
	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				
TASK 4	Detailed Design										
	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	1	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										
	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	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							0	\$ -	\$ -	\$ -
	4.3.10 Plumbing Engineering							0	\$ -	\$ -	\$ -
	4.3.11 HVAC Engineering							0	\$ -	\$ -	\$ -
	4.3.12 Structural Engineering							0	\$ -	\$ -	\$ -
	4.3.13 Architectural	0	15	46	8	64	2	135	\$ 22,520.14	\$ -	\$ 22,520.14
	Subtask 4.3- Total	0	15	46	8	64	2	135	\$ 22,520.14	\$ -	\$ 22,520.14

**ATTACHMENT E
BUDGET SUMMARY**

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**
 PBCWUD Project No.: **23-053**

Task Number	Task Description							SUB TOTALS			
		Principal	Architect Project Manager	Architect Senior Architect	Architect Senior Interior Designer	Architect Designer	Architect Project Administrator	Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 100.00	\$ 75.00	\$ 66.67	\$ 50.00	\$ 45.00	\$ 30.00				
	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 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	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	7	10	4	28	0	49	\$ 7,928.58		\$ 7,928.58
	Subtask 4.5- Total	0	7	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
TASK 5	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	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							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							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	0	\$ -	\$ -	\$ -

**ATTACHMENT E
BUDGET SUMMARY**

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
 PBCWUD Project No.: 23-053

Task Number	Task Description	Principal	Architect Project Manager	Architect Senior Architect	Architect Senior Interior Designer	Architect Designer	Architect Project Administrator	SUB TOTALS			
								Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate >	\$ 100.00	\$ 75.00	\$ 66.67	\$ 50.00	\$ 45.00	\$ 30.00				
	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										
	5.4.1 PBC Site Plan Approval	4	8	4				16	\$ 3,787.37		\$ 3,787.37
	5.4.2 SFWMD Environmental Resources Permitting							0	\$ -		\$ -
	5.4.3 PBC Land Development Drainage Review							0	\$ -		\$ -
	5.4.4 PBC Building Department Review		4	8		8		20	\$ 3,568.15	\$ -	\$ 3,568.15
	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										
	6.1 Review the Bid Advertisement		1		1			2	\$ 373.75		\$ 373.75
	6.2 Attend Pre-Bid Meeting		2					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 Complete 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					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							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 - Subtotal	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	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	\$ 100.00	\$ 75.00	\$ 66.67	\$ 50.00	\$ 45.00	\$ 30.00				
	Labor Subtotal (Bill Rate * Labor Subtotal Hours)	\$ 3,588.00	\$ 20,182.50	\$ 30,698.87	\$ 4,335.50	\$ 26,371.80	\$ 179.40		\$ 85,356.07		
	PROJECT TOTAL							483	\$ 85,356.07	\$ 0.00	\$ 85,356.07

**ATTACHMENT E
SUBCONSULTANT REIMBURSABLE BREAKDOWN**

ATTACHMENT E				
BUDGET SUMMARY (REIMBURSABLES)				
n Beach County Water Utilities Department				
Contract for Consulting/Professional Services SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE - PHASE 2				
Allocation No. Contract Dated				
Consultant Services Authorization No.: 1				
Consultant: Brown and Caldwell (Corporation)				
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2				
WUD Project No.: 23-053				
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)	100	\$0.655	\$65.50
				\$0.00
	<i>Total Task 1</i>			\$65.50
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)	200	\$0.655	\$131.00
	<i>Total Task 2</i>			\$131.00
Preliminary Design	8.5x11 Print (color)	0	\$1.00	\$0.00
	<i>Total Task 3</i>			\$0.00
Detailed Design	Bond Copies/Color/Blueprints (22x34)	0	\$3.00	\$0.00
	Bond Copies/Black line/Blueprints (11x17)	0	\$0.30	\$0.00
	<i>Total Task 4</i>			\$0.00
Permitting Services	Bond Copies/Color/Blueprints (22x34)	0	\$3.00	\$0.00
	<i>Total Task 5</i>			\$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
	<i>Total Task 6</i>			\$0.00
Outfall Design and Permitting				\$0.00
				\$0.00
	<i>Total Task 7</i>			\$0.00
TOTAL				\$196.500

ATTACHMENT E					
BUDGET SUMMARY (REIMBURSABLES)					
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					
Task No.	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
		<i>Total Task 1</i>			\$0.00
					\$0.00
TASK 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
		<i>Total Task 2</i>			\$80,775.00
TASK 3	Preliminary Design	8.5x11 Print (color)	0	\$1.00	\$0.00
		<i>Total Task 3</i>			\$0.00
TASK 4	Detailed Design	Bond Copies/Color/Blueprints (22x34)	0	\$3.00	\$0.00
		Bond Copies/Black line/Blueprints (11x17)	0	\$0.30	\$0.00
		<i>Total Task 4</i>			\$0.00
TASK 5	Permitting Services	Bond Copies/Color/Blueprints (22x34)	0	\$3.00	\$0.00
		<i>Total Task 5</i>			\$0.00
TASK 6	Bidding Support	Bond Copies/Color/Blueprints (22x34)	0	\$3.00	\$0.00
		Bond Copies/Black line/Blueprints (11x17)	0	\$0.30	\$0.00
		<i>Total Task 6</i>			\$0.00
					\$0.00
TASK 7	Outfall Design and Permitting				\$0.00
					\$0.00
		<i>Total Task 7</i>			\$0.00
					\$0.00
PROJECT TOTAL					\$80,775.000

ATTACHMENT E				
BUDGET SUMMARY (REIMBURSABLES)				
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>Keshavarz & Associates, Inc.</u>				
Project Title: SOUTH COUNTY RECLAIMED WATER TRANSMISSION PIPELINE PHASE 2				
WUD Project No.: 23-053				
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
<i>Total Task 1</i>				\$0.00
Field Services	8.5x11 Print (color)	0	\$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	5470	\$0.67	\$3,664.90
<i>Total Task 2</i>				\$3,664.90
Preliminary Design	8.5x11 Print (color)	0	\$1.00	\$0.00
<i>Total Task 3</i>				\$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
<i>Total Task 4</i>				\$114.00
Pipeline Permitting Services	Bond Copies/Color/Blueprints (22x34)	0	\$3.00	\$0.00
<i>Total Task 5</i>				\$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
<i>Total Task 6</i>				\$0.00
Outfall Design and Permitting	Mileage	330	\$0.67	\$221.10
<i>Total Task 7</i>				\$221.10
TOTAL				\$4,000.000

**ATTACHMENT E
BUDGET SUMMARY (REIMBURSABLES)**

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					
Task No.	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
		<i>Total Task 1</i>			\$0.00
TASK 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
		<i>Total Task 2</i>			\$8,394.48
TASK 3	Preliminary Design	8.5x11 Print (color)	0	\$1.00	\$0.00
		<i>Total Task 3</i>			\$0.00
TASK 4	Detailed Design	Bond Copies/Color/Blueprints (22x34)	0	\$3.00	\$0.00
		Bond Copies/Black line/Blueprints (11x17)	0	\$0.30	\$0.00
		<i>Total Task 4</i>			\$0.00
TASK 5	Permitting Services	Bond Copies/Color/Blueprints (22x34)	0	\$3.00	\$0.00
		<i>Total Task 5</i>			\$0.00
TASK 6	Bidding Support	Bond Copies/Color/Blueprints (22x34)	0	\$3.00	\$0.00
		Bond Copies/Black line/Blueprints (11x17)	0	\$0.30	\$0.00
		<i>Total Task 6</i>			\$0.00
TASK 7	Outfall Design and Permitting	Mileage (\$/mi. - GSA Rate)	280	\$0.655	\$183.40
		Temporary Traffic Control (\$/day)	1	\$1,600.00	\$800.00
		<i>Total Task 7</i>			\$983.40
PROJECT TOTAL					\$9,377.875

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: 43.00%	MBE: 16.00%	MBE (B): 16.00%
Current Proposal			
Value of Authorization No. <u> 1 </u>	\$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 Subcontractors	\$0.00	\$0.00	\$0.00
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%

Revised 12/20/2022

ATTACHMENT G

LOCATION MAP

PBCWUD Project No. 22-053



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
4. Project Area Key Map
5. 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

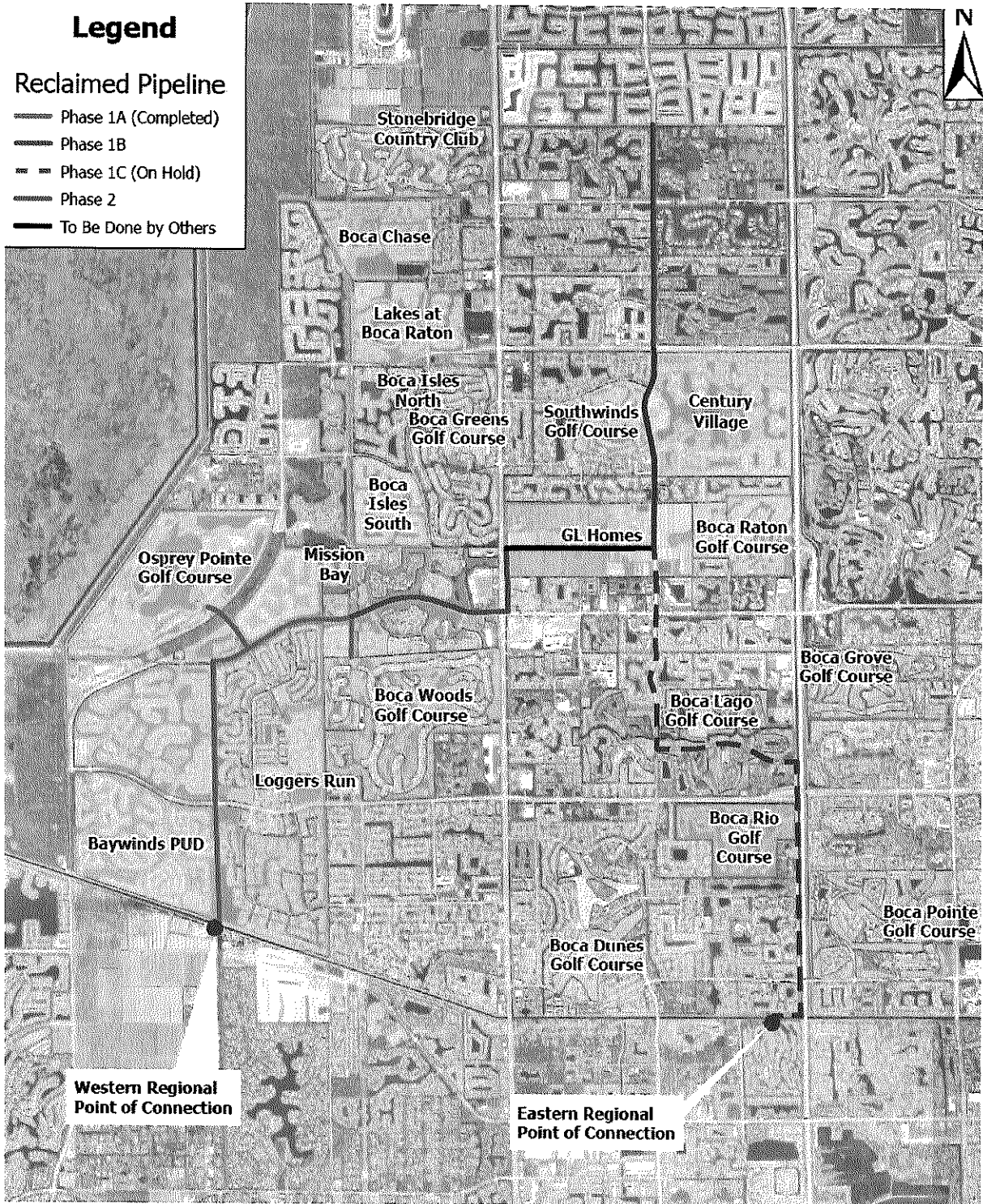
1. Cover Sheet
2. General Notes
3. Sheet Index 1
4. Sheet Index 2
5. Symbols and Legends
6. Process Flow Diagram – Phase 1
7. Process Flow Diagram – Phase 2
8. Hydraulic Profile
9. Construction Area, Laydown, Storage and Site Access – Overall Site Plan
10. Construction Sequencing 1
11. Construction Sequencing 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 Elevations
39. Building and Wall Sections
40. Building Sections
41. Wall Sections
42. Finish Schedule and Details
43. Architectural Details

ATTACHMENT 3

Location Map

PBCWUD Project No. 23-053





Palm Beach County
Compliance Summary Report

Vendor Number	Vendor Name	AM Best Rating	Insurance Carrier	Policy #	Eff. Date	Exp. Date	Coverage	Contract Number	Contract Name
DX00002751	Chen Moore and Associates, Inc.	Modified	Compliant					22-033	Contract for Consulting/Professional Services South County Reclaimed Water Transmission Pipeline - Phase 2
		A++g , XV	Travelers Casualty Insurance Company of America	BA2W1500872447G	1/1/2024	1/1/2025	Auto Liability		
		Ar , XV	Crum & Forster Specialty Insurance Company	EFX124401	1/1/2024	1/1/2025	Excess Liability		
		Ar , XV	Crum & Forster Specialty Insurance Company	EPK146345	1/1/2024	1/1/2025	General Liability		
		Ar , XV	Crum & Forster Specialty 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 :