

***PINELLAS COUNTY GOVERNMENT IS COMMITTED TO PROGRESSIVE PUBLIC POLICY, SUPERIOR PUBLIC SERVICE, COURTEOUS PUBLIC CONTACT, JUDICIOUS EXERCISE OF AUTHORITY AND SOUND MANAGEMENT OF PUBLIC RESOURCES, TO MEET THE NEEDS AND CONCERNS OF OUR CITIZENS TODAY AND TOMORROW.***



**NON-CONTINUING PROFESSIONAL SERVICES AGREEMENT**

**RFP TITLE: Gulf Beach Water Booster Station Improvements - Professional Engineering Services**

**RFP CONTRACT NO. 21-0610-NC (SS)**

**COUNTY PID NO. 002150A**

**NON-CONTINUING FIRM: Wright-Pierce, Inc.**

# PROFESSIONAL ENGINEERING SERVICES NON-CONTINUING SERVICES AGREEMENT

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**SECTION 1  
INTENT OF AGREEMENT**

**AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES FOR  
Gulf Beach Water Booster Station Improvements - Professional Engineering Services**

THIS AGREEMENT, entered into on the \_\_\_\_ day of \_\_\_\_, 20\_\_\_\_, between PINELLAS COUNTY, a political subdivision of the State of Florida, hereinafter referred to as the COUNTY, represented by its Board of County Commissioners, and, Wright-Pierce, Inc. with offices in Tampa, Florida hereinafter referred to as the CONSULTANT.

WITNESSETH, That:

WHEREAS, Pinellas County, herein referred to as the COUNTY, requires **PROFESSIONAL ENGINEERING SERVICES** associated with support to develop plans and specifications and perform all other professional engineering services as may be required during the construction of recommended improvements to the Gulf Beach Water Booster Station including but not limited to mechanical, structural, electrical, chemical, and drainage. To the maximum extent possible, design shall incorporate flood mitigation and storm surges caused by weather events. Pinellas County, Florida

WHEREAS, the COUNTY desires the CONSULTANT provide PROFESSIONAL ENGINEERING SERVICES requisite to the development of the PROJECT; and

WHEREAS, the CONSULTANT has expressed the willingness and ability to provide the aforementioned Services; and

NOW THEREFORE, the COUNTY and the CONSULTANT, in consideration of the mutual covenants hereinafter set forth, agree as follows:

## SECTION 2 SCOPE OF PROJECT

### 2.1 PROJECT DESCRIPTION AND PROFESSIONAL REQUIREMENTS

For the purposes of this Agreement the term PROJECT shall include all areas of proposed improvements, all areas that may reasonably be judged to have an impact on the PROJECT, and all PROJECT development phases and the services and activities attendant thereto. It is not the intent of this Agreement to identify the exact limits or details involved in providing satisfactorily completed PROJECT construction documents. The CONSULTANT shall provide the following professional services to prepare construction plans, specifications, and complete applications for and receive all federal, state, and local permits required for construction of the PROJECT. The PROJECT design shall be based on the following data:

The primary scope of engineering services includes Project Management, Preliminary Engineering Report (PER), 60% Design, 90% Design and Final Design Documents for the engineering services related to the design and construction of the improvements to the Gulf Beach Water Booster Station. All required permits shall be obtained by the engineering consultant. Plans shall be prepared in accordance with Civil 3D Pinellas County Requirements. Exhibit A, Scope of Services is attached.

#### a) Required Deliverables

- Civil 3D file (eTransmit) of construction plans and for each transmittal phase. The plans shall be provided electronically, plus two (2) paper prints signed and sealed by a Professional Engineer certified in the State of Florida.
- All technical specifications required for construction of project.

### 2.2 PROJECT PHASES

All project phases shall be completed on or before the milestone dates provided in the COUNTY approved PROJECT design schedule referenced in Exhibit A.

### 2.3 CONSULTING RESPONSIBILITIES

- A. It is the intention of the COUNTY that the CONSULTANT is held accountable for its work, including checking and review of plans, and that submittals are complete.
- B. The CONSULTANT shall be responsible for the accuracy of the work and shall promptly correct its errors and omissions without additional compensation. Acceptance of the work by the COUNTY will not relieve the CONSULTANT of the responsibility for subsequent correction of any errors and the clarification of any ambiguities.
- C. The CONSULTANT represents that it has secured or will secure, at its own expense, all personnel necessary to complete this Agreement; none of whom shall be employees of or have any contractual relationship with the COUNTY. Primary liaison with the COUNTY will be through the CONSULTANT'S Project Manager. All of the services required hereunder will be performed by the CONSULTANT or under the CONSULTANT'S supervision, and all personnel engaged in the work shall be fully qualified and shall be authorized or permitted under law to perform such services.
- D. The CONSULTANT shall endorse all reports, calculations, contract plans, and survey data. Services shall be prepared under the direction of an engineer registered in the State of Florida and qualified in the required discipline. Products or services performed or checked shall be signed and sealed by the CONSULTANT'S Florida registered engineer.

- E. The CONSULTANT shall be responsible for the preparation of a PROJECT design schedule, prepared in Microsoft Project 2013 or later, which shows a breakdown of all tasks to be performed, and their relationship in achieving the completion of each phase of work. A bar chart schedule showing overall PROJECT time frames should also be prepared. These schedules must be submitted for COUNTY approval within ten (10) days of the initial PROJECT Notice to Proceed. These schedules will be used to verify CONSULTANT performance in relationship to Fees claimed and to allow the COUNTY'S Project Manager to monitor the CONSULTANT'S efforts. The CONSULTANT shall be responsible for any updates to these schedules and for documenting in writing to the COUNTY any major deviations in the actual versus estimated PROJECT time frames.
- F. The CONSULTANT shall respond, in writing, to all review comments made by the COUNTY, and shall incorporate appropriate design adjustments into the PROJECT, in a timely manner, resulting from the review exchange.

## 2.4 GENERAL DESIGN CONDITIONS

2.4.1 The CONSULTANT shall coordinate and solicit appropriate input, with the knowledge of the COUNTY.

2.4.2 All design data, plans, and drawings shall be delivered electronically and or on travel drives formatted to .DXF or .DWG utilizing Civil 3D 2012 or later; as well as providing reproducible hard copies of plans and drawings. All specification and other documents shall be delivered electronically and or on two travel drives, Microsoft Word & Excel format as required, as well as the reproducible hard copies.

2.4.3 One (1) original and five (5) copies of all deliverables are required unless specific submittal requirements are specified elsewhere in this Agreement.

2.4.4 The CONSULTANT shall develop acceptable alternates to any and all design recommendations that may be declared unacceptable.

## 2.5 GOVERNING SPECIFICATIONS REGULATIONS AND PERTINENT DOCUMENTS

2.5.1 The PROJECT shall be designed by the CONSULTANT in accordance with applicable industry standards. The CONSULTANT shall be responsible for utilizing and maintaining current knowledge of any laws, ordinances, codes, rules, regulations, standards, guidelines, special conditions, specifications, or other mandates relevant to the PROJECT or the services to be performed.

2.5.2 The Contractor and Subcontractor must register with and use the E-verify system in accordance with Florida Statute 448.095. The County will verify the work authorization of the Contractor and Subcontractor. A Contractor and Subcontractor may not enter into a contract with the County unless each party registers with and uses the E-verify system.

If a Contractor enters a contract with a Subcontractor, the Subcontractor must provide the Contractor with an affidavit stating that the Subcontractor does not employ, contract with, or subcontract with unauthorized aliens. The Contractor must maintain a copy of the affidavit for the duration of the contract.

If the County, Contractor, or Subcontractor has a good faith belief that a person or entity with which it is contracting has knowingly violated Florida Statute 448.09(1) shall immediately terminate the contract with the person or entity.

If the County has a good faith belief that a Subcontractor knowingly violated this provision, but the Contractor otherwise complied with this provision, the County will notify the Contractor and order that the Contractor immediately terminate the contract with the Subcontractor.

A contract terminated under the provisions of this section is not a breach of contract and may not be considered such. Any contract termination under the provisions of this section may be challenged to Section 448.095(2)(d), Florida Statute. Contractor acknowledges upon termination of this agreement by the County for violation of this section by Contractor, Contractor may not be awarded a public contract for at least one (1) year. Contractor acknowledges that Contractor is liable for any additional costs incurred by the County as a result of termination of any contract for a violation of this section.

Contractor or Subcontractor shall insert in any subcontracts the clauses set forth in this section, requiring the subcontracts to include these clauses in any lower tier subcontracts. Contractor shall be responsible for compliance by any Subcontractor or Lower Tier Subcontractor with the clause set forth in this section.

- 2.5.3 Supplier acknowledges and warrants that all digital content and services provided under this contract conforms and shall continue to conform during the Term of this Agreement to the W3C Web Content Accessibility Guidelines, version 2.0 (“WCAG 2.0”) at conformance Level A and AA. If all digital content and services does not fully conform to WCAG 2.0 A and AA, Supplier shall advise Pinellas County in writing of the nonconformance prior to execution of this Agreement and shall provide Pinellas County a plan to achieve conformance to WCAG 2.0 A and AA, including but not limited to, an intended timeline for conformance. Failure to achieve conformance, as determined in Pinellas County’s sole discretion, on its intended timeline shall be considered a material breach of this Agreement and grounds for termination by Pinellas County.

If during the Term of this Agreement, Supplier fails to maintain compliance with WCAG 2.0 A and AA or Pinellas County otherwise identifies an issue related to accessibility of the product (the “Accessibility Issue”) that renders the product inaccessible, then Pinellas County shall notify Supplier of non-compliance. Within 30 days of Supplier’s receipt of a non-compliance notice (“Notice”), Supplier and Pinellas County shall meet and mutually agree upon an appropriate timeline for resolution of the Accessibility Issue(s) (“Initial Meeting”).

Should Supplier:

- i. fail to acknowledge receipt of the notice within 30 days of receipt of the Notice;
- ii. unreasonably and solely withhold agreement regarding a timeline for resolution for more than 30 days following the Initial Meeting; or
- iii. fail to materially resolve the Accessibility Issue(s) within the agreed-upon timeline,

Failure to comply with the requirements of this section shall constitute a material breach of this Agreement and shall be grounds for termination of this Agreement by Pinellas County and subject Supplier to section 15 of this Agreement, “Indemnification.”

### **SECTION 3 SERVICES TO BE FURNISHED BY THE CONSULTANT**

3.1 SEE EXHIBIT A – SCOPE OF SERVICES.

3.2 BIDDING PHASE

The CONSULTANT shall prepare with the COUNTY’S assistance the necessary bidding information, bidding forms, the conditions of the contract, and the form of agreement between the COUNTY and the Contractor. The CONSULTANT also, shall bear the cost of two (2) complete sets of documents (plans and specifications), two (2) of which shall be signed and sealed by the CONSULTANT as original record sets for the PROJECT. Each sheet in the two (2) construction plans print sets shall be signed, sealed and dated. The title sheet only of the two (2) specifications sets shall be signed, sealed, and dated. Additionally, any required addenda shall be signed, sealed, and dated.

3.2.1 The CONSULTANT, following the COUNTY'S review of the Construction Documents and of the latest Statement of Probable Construction Cost, shall be available to assist the COUNTY in obtaining bids, and in preparing and awarding construction contracts for each bid package. The CONSULTANT shall assist conducting pre-bid conferences, if necessary.

3.2.2 If the Advertisement for bids has not commenced within sixty (60) days after the CONSULTANT submits the approved Construction Documents to the COUNTY, any fixed limit of Construction Cost established as a condition of this Agreement shall be adjusted to reflect any change in the general level of prices which may have occurred during that period of time in construction industry. The adjustment shall reflect changes between the date of submission of the Construction Documents to the COUNTY and the date on which the Advertisement for Bids occurred

3.2.3 The CONSULTANT shall prepare any required addenda to construction plans and specifications on the PROJECT during the bidding phase affecting the CONSULTANT'S plans and specifications. The CONSULTANT shall also provide any addenda during the Construction Phase in sufficient quantity to distribute to all necessary parties as determined by the COUNTY.

### 3.3 CONSTRUCTION PHASE

All contact and/or communication from the CONSULTANT to the Contractor shall be coordinated with the knowledge of the COUNTY.

#### A. Construction Consultation Services

1. Processing, review, approval and distribution of shop drawings, product data, samples and other submittals required by the Contract Documents.
2. Maintenance of master file of submittals with duplicate for COUNTY.
3. Construction Field Observation Services consisting of visits to the site as frequent as necessary, but not less than once every week, to become generally familiar with the progress and quality of the work and to determine in general if the work is proceeding in accordance with the Contract Documents and prepare related reports and communications. Provide written report of each visit. This field observation requirement shall include any sub-consultants at appropriate construction points.
4. Review for comment or approval any and all proposal requests, supplemental drawings and information and change orders.
5. Review for correctness Contractors pay requests for the COUNTY.
6. Prepare, reproduce and distribute supplemental drawings, specifications and interpretations in response to requests for clarification by the Contractor or the COUNTY as required by construction exigencies. Response to any request must be received by the COUNTY within twenty-four (24) hours of request, or the next available working day when the request is prior to a weekend or holiday.
7. Review, upon notice by the Contractor that work is ready for final inspection and acceptance.
8. Notify the COUNTY of any deficiencies found in follow-up reviews.
9. Evaluate all testing results and make recommendations to the COUNTY.
10. Assist in the establishment by the COUNTY of programs of operation and maintenance of the physical plant and equipment.

11. Arrange for and coordinate instructions on operations and maintenance of equipment in conjunction with manufacturer's representatives.
12. Prepare an operation and maintenance manual for the COUNTY'S use.
13. The CONSULTANT shall visit the project as necessary, but at a minimum of three (3) month, six (6) month and upon construction completion in order to certify that the permit conditions have been met satisfactorily. This shall not relieve the CONSULTANT of other needed visits to the project should specific issues arise.
14. Assistance in the training of the facility operation and maintenance personnel in proper operations, schedules, procedures and maintenance inventory.
15. Prepare as-built record drawings, based on information furnished by the Contractors including significant changes in the work made during construction. The CONSULTANT will provide one (1) set of signed and sealed prints and one (1) CADD disk of the as-built record construction documents.
16. Transmit certified as-built record drawings and general data, appropriately identified, to the COUNTY within thirty (30) days following completion of construction.
17. Consult with, and recommend solutions to, the COUNTY during the duration of warranties in connection with inadequate performance of materials, systems, and equipment under warranty.
18. Review facilities or equipment prior to expiration of warranty period(s) to ascertain adequacy of performance, materials, systems and equipment.
19. Document noted defects or deficiencies and assist the COUNTY in preparing instructions to the Contractor for correction of noted defects.
20. The Contractor shall provide the CONSULTANT with all the required project close out material for CONSULTANT'S use in the warranty period services.
21. The Contractor shall have prime responsibility in the warranty period for all services herein. The CONSULTANT shall assist, consult, observe review and document as noted.

### 3.4 PROVISIONS RELATED TO ALL PHASES

3.4.1 The CONSULTANT will investigate and confirm in writing to the COUNTY, to the best of the CONSULTANT'S knowledge, conformance with all applicable local public and utility regulations.

3.4.2 The CONSULTANT will coordinate work designed by various disciplines.

3.4.3 The CONSULTANT shall submit to the COUNTY design notes and computations to document the design conclusions reached during the development of the construction plans.

- a. Five (5) copies of the design notes and computations shall be submitted to the COUNTY with the design development review plans. When the plans are submitted for final review, the design notes and computations corrected for any COUNTY comments shall be resubmitted. At the PROJECT completion, a final set of the design notes and computations, properly endorsed by the CONSULTANT, shall be submitted with the record set of plans and tracings.



- b. The design notes and calculations shall include, but not be limited to, the following data:
- 1) Design criteria used for the PROJECT.
  - 2) Roadway geometric calculations
  - 3) Structural calculations.
  - 4) Drainage calculations.
  - 5) Traffic design calculations
  - 6) Traffic control calculations
  - 7) Calculations as required by provisions of the Florida Energy Conservation Manual (Department of General Services), latest revision.
  - 8) Calculations showing probable cost comparisons of various alternatives considered.
  - 9) Documentation of decisions reached resulting from meetings, telephone conversations or site visits.
  - 10) Other PROJECT-related correspondences as appropriate.

3.4.4 Each set of plans for the PROJECT shall be accurate, legible, complete in design, suitable for bidding purposes and drawn to scales acceptable to the COUNTY. The completed plans shall be furnished on reproducible material and in a format, which is acceptable to the COUNTY.

3.4.5 The CONSULTANT shall make such reviews, visits, attend such meetings and conferences and make such contacts as are necessary for the proper preparation of plans and specifications for the PROJECT.

3.4.6 The COUNTY in no way obligates itself to check the CONSULTANT'S work and further is not responsible for maintaining project schedules.

3.4.7 Other CONSULTANT responsibilities shall be as listed below:

- a. Provide necessary sealed drawings to obtain building permits or any utility permit.
- b. Assist the COUNTY in Contractor claims and/or litigation.
- c. Review the Adequacy and completeness of documents submitted by the Contractor to protect the COUNTY against claims by suppliers or third parties.

3.4.8 The CONSULTANT must be familiar with the intent, thoroughness, safety factors and design assumptions of all structural calculations.

3.4.9 All work prepared and/or submitted shall be reviewed and checked by a CONSULTANT (Architect/Engineer) registered in Florida. All plans shall be signed and sealed by the Professional CONSULTANT in responsible charge.

### 3.5 PERMIT APPLICATIONS AND APPROVALS

3.5.1 The CONSULTANT shall prepare all permit applications, data and drawings required for submittal BY THE COUNTY for approval of local, state and federal agencies.

3.5.2 The CONSULTANT shall, at no additional cost to the COUNTY, make all reasonable and necessary construction plans revisions required to obtain the necessary permit approvals for construction of the PROJECT.

3.5.3 For the purpose of ensuring the timely approval of all permits necessary for the construction of the PROJECT, the CONSULTANT shall schedule the necessary contacts and liaison with all agencies having permit jurisdiction over the PROJECT, and shall furnish, on a timely basis, such plans, data and information as may be necessary to secure approval of the required permits.

### 3.6 COORDINATION WITH UTILITY SERVICES AND AFFECTED PUBLIC AGENCIES

3.6.1 The requirements of the various utility services shall be recognized and properly coordinated with the PROJECT design.

3.6.2 Drainage investigations and drainage design shall be coordinated with any city or drainage district that may be affected by or have an effect on the PROJECT.

#### **SECTION 4 SERVICES TO BE FURNISHED BY THE COUNTY**

- 4.1 The COUNTY shall provide the following for the CONSULTANT'S use and guidance:
- A. Copies of existing maps, existing aerial photographs, as-built construction plans and data pertinent to the PROJECT design, which the COUNTY may have in its possession.
  - B. Reproducibles of the COUNTY Engineering Department Standard Drawings applicable to the PROJECT.
  - C. Sample copies of the COUNTY standard contract documents and specifications.
  - D. Preparation of legal (front-end) section of the specifications.

#### **SECTION 5 PRESENTATIONS, PUBLIC MEETING, PROGRESS MEETINGS AND TECHNICAL LIAISON MEETINGS**

The services below shall be provided to the COUNTY, but are not limited to the following:

5.1 Prior to the commencement of design activities, the COUNTY will conduct with the CONSULTANT a pre-design conference for the purpose of discussing issues relative to the PROJECT, plans preparation and submittal procedures and to convey to the CONSULTANT such items provided for under Section 4 as may be required and available at that time.

5.2 The CONSULTANT shall make presentations to the COUNTY'S Director of Utilities or designee as often as reasonably requested and at any point in the PROJECT development should issues arise which make additional presentations other than those listed elsewhere in this Agreement, in the COUNTY'S best interest.

5.3 The CONSULTANT shall participate in Monthly PROJECT Conferences with COUNTY staff personnel. The meetings will be scheduled by the COUNTY at a location provided by the COUNTY.

5.4 The CONSULTANT shall attend, as technical advisor to the COUNTY all meetings or hearings conducted by permitting agencies or public bodies in connection with any permit required for the construction of the PROJECT, and shall prepare all presentation aids, documents and data required in connection with such meetings or hearings, and at the discretion of the COUNTY, shall either plead the COUNTY'S case or provide engineering and technical assistance to the COUNTY in its pleading of the case.

5.5 The CONSULTANT shall keep accurate minutes of all meetings and distribute copies to all attending. These meetings shall be set up through the COUNTY and appropriate COUNTY staff shall attend.

#### **SECTION 6 PAYMENT GUIDELINES AND CATEGORY OF SERVICES**

##### **6.1 BASIC SERVICES**

The services described and provided for under Sections 2, 3 and Exhibit A shall constitute the Basic Services to be performed by the CONSULTANT under this Agreement.

##### **6.2 OPTIONAL SERVICES**

Services noted in Exhibit A of this Agreement as "Optional" shall constitute the Optional Services to be performed by the CONSULTANT under this Agreement. Optional Services shall be rendered by the CONSULTANT only upon written authorization by the COUNTY'S Director of the Utilities, or designee.

### 6.3 CONTINGENCY SERVICES

When authorized in writing by the COUNTY'S Director of Utilities or designee, the CONSULTANT shall furnish services resulting from unforeseen circumstances not anticipated under Basic Services due to minor changes in the PROJECT scope.

Compensation for any Contingency Services assignments shall be negotiated between the COUNTY and the CONSULTANT at the time the need for services becomes known.

### 6.4 ADDITIONAL SERVICES

When executed by the County Administrator or Board of County Commissioners as an amendment to this Agreement, the CONSULTANT shall provide such additional services as may become necessary because of changes in the Scope of PROJECT. Additional Services shall be classified as any change beyond the Contingency Services upset limit for compensation.

### 6.5 INVOICING

The CONSULTANT may submit invoices for fees earned on a monthly basis. Such invoicing shall be supported by a Progress Report showing the actual tasks performed and their relationship to the percentage of fee claimed for each phase. Billings within each phase of work shall be for the percentage of work effort completed to date for that phase. The COUNTY shall make payments to the CONSULTANT for work performed in accordance with the Local Government Prompt Payment Act, Section 218.70 et. seq., F.S.

The following services shall be considered reimbursable services and may be filled in full upon their completion and acceptance. The CONSULTANT shall provide copies of supporting receipts/invoices/billing documentation. Self-performed reimbursable work shall be reimbursed at the firm's standard hourly rates for all related services. A breakdown of man hours and billing rates shall be provided with each invoice. An hourly rate sheet is attached (Exhibit B).

- A. Soil Analysis/Geotechnical Investigations.
- B. Contamination Assessments/Hazardous Material Analysis (if required).
- C. Aerial Photography (if required).
- D. Payment of Permit Fees (if required).
- E. Payment of the Public Information Meeting Advertisements, if required.
- F. Payment of the Court Reporter for public meetings, if required.
- G. Printing and Binding Services.

Should an invoiced amount for fees earned appear to exceed the work effort believed to be completed, the COUNTY may, prior to processing of the invoice for payment, require the CONSULTANT to submit satisfactory evidence to support the invoice.

All progress reports shall be mailed to the attention of the designated Project Manager, Becky Cook, P.E.

SUPPLIER shall submit invoices for payment due as provided herein with such documentation as required by Pinellas County and all payments shall be made in accordance with the requirements of Section 218.70 *et. seq.*, Florida Statutes, "The Local Government Prompt Payment Act." Invoices shall be submitted to the address below unless instructed otherwise on the purchase order, or if no purchase order, by the ordering department:

Finance Division Accounts Payable  
Pinellas County Board of County Commissioners  
P. O. Box 2438  
Clearwater, FL 33757

Each invoice shall include, at a minimum, the Supplier's name, contact information and the standard purchase order number. The County may dispute any payments invoiced by SUPPLIER in accordance with the County's Dispute Resolution Process for Invoiced Payments, established in accordance with Section 218.76, Florida Statutes, and any such disputes shall be resolved in accordance with the County's Dispute Resolution Process.

Fees for contingent or additional services authorized shall be invoiced separately, and shall be due and payable in full upon the presentation of satisfactory evidence that the corresponding services have been performed.

## **SECTION 7 COMPENSATION TO THE CONSULTANT**

7.1 For the BASIC SERVICES provided for in this Agreement, as defined in Section 3.1, the COUNTY agrees to pay the CONSULTANT as follows:

- A Lump Sum Fee of: Fifteen thousand one hundred ninety five and 00/100 dollars (\$15,195.00) for Task 1 – Project Management.
- A Lump Sum Fee of: Two hundred thirty four thousand five hundred twenty two and 30/100 dollars (\$234,522.30) for Task 2 - Preliminary Engineering.

The above fees shall constitute the total not to exceed amount of two hundred forty nine thousand seven hundred and 30/100 dollars **(\$249,717.30)** to the CONSULTANT for the performance of Basic Services. All man hours are billed per the established and agreed hourly rates. The hourly rates are fully loaded and include all labor, overhead, expenses and profit of any nature including travel within the Tampa Bay Metropolitan Statistical area. Travel outside of the Tampa Bay Metropolitan Statistical Area will be reimbursed in accordance with Section 112.061 F.S. and/or the County Travel Policy, as approved by the County.

7.2 Total agreement not-to-exceed amount two hundred forty nine thousand seven hundred seventeen and 30/100 dollars **(\$249,717.30)**.

7.3 For any ADDITIONAL SERVICES, the COUNTY agrees to pay the CONSULTANT a negotiated total fee based on the work to be performed as detailed by a written amendment to this Agreement.

7.4 In the event that this Agreement is terminated under the provisions of this contract the total and complete compensation due the CONSULTANT shall be as established by the COUNTY based on the COUNTY'S determination of the percentage of work effort completed to date of termination.

## **SECTION 8 PERFORMANCE SCHEDULE**

Time is of the essence in this Agreement. The CONSULTANT shall plan and execute the performance of all services provided for in this Agreement in such manner as to ensure their proper and timely completion in accordance with the following schedule:

8.1 The services to be rendered by the CONSULTANT shall be commenced upon receipt from the COUNTY of written "NOTICE TO PROCEED."

8.2 All project phases shall be completed on or before the milestone dates provided in the COUNTY approved PROJECT design schedule referenced in 2.3 E.

8.3 The CONSULTANT shall not be held responsible for delays in the completion of the PROJECT design when the COUNTY causes such delays. The COUNTY reviews related to the above submittals shall not exceed twenty-one (21) days.

## **SECTION 9 AUTHORIZATION FOR CONTINGENT OR ADDITIONAL SERVICES**

9.1 The CONTINGENCY services provided for under this Agreement shall be performed only upon prior written authorization from the Director of Utilities or designee.

9.2 The ADDITIONAL services provided for under this Agreement shall be performed only upon approval of the County Administrator or Board of County Commissioners.

9.3 The CONSULTANT shall perform no services contemplated to merit compensation beyond that provided for in this Agreement unless such services, and compensation therefore, shall be provided for by appropriate written authorization or amendment(s) to this Agreement.

## **SECTION 10 FIRMS AND INDIVIDUALS PROVIDING SUBCONSULTING SERVICES**

The COUNTY reserves the right to review the qualifications of any and all subconsultants, and to reject any subconsultant in a proper and timely manner, deemed not qualified to perform the services for which it shall have been engaged. Any subconsultant not listed as part of the prime consultants team at time of award must be approved by the Director of Purchasing prior to performing any service.

## **SECTION 11 SATISFACTORY PERFORMANCE**

All services to be provided by the CONSULTANT under the provisions of this Agreement, including services to be provided by subconsultants, shall be performed to the reasonable satisfaction of the COUNTY'S Director of Utilities or designee.

## **SECTION 12 RESOLUTION OF DISAGREEMENTS**

12.1 The COUNTY shall reasonably decide all questions and disputes, of any nature whatsoever, that may arise in the execution and fulfillment of the services provided for under this Agreement.

12.2 The decision of the COUNTY upon all claims, questions, disputes and conflicts shall be final and conclusive, and shall be binding upon all parties to this Agreement, subject to judicial review.

## **SECTION 13 CONSULTANT'S ACCOUNTING RECORDS**

13.1 Records of expenses pertaining to all services performed shall be kept in accordance with generally accepted accounting principles and procedures.

13.2 The CONSULTANT'S records shall be open to inspection and subject to examination, audit, and/or reproduction during normal working hours by the COUNTY'S agent or authorized representative to the extent necessary to adequately permit evaluation and verification of any invoices, payments or claims submitted by the CONSULTANT or any of his payees pursuant to the execution of the Agreement. These records shall include, but not be limited to, accounting records, written policies and procedures, subconsultant files (including proposals of successful and unsuccessful bidders), original estimates, estimating worksheets, correspondence, change order files (including documentation covering negotiated settlements), and any other supporting evidence necessary to substantiate charges related to this Agreement. They shall also include, but not be limited to, those records necessary to evaluate and verify direct and indirect costs (including overhead allocations) as they may apply to costs associated with this Agreement. The COUNTY shall not audit payroll and expense records on task assignments paid by lump sum fee.

13.3 For the purpose of such audits, inspections, examinations and evaluations, the COUNTY'S agent or authorized representative shall have access to said records from the effective date of the Agreement, for the duration of work, and until five (5) years after the date of final payment by the COUNTY to the CONSULTANT pursuant to this Agreement.

13.4 The COUNTY'S agent or authorized representative shall have access to the CONSULTANT'S facilities and all necessary records in order to conduct audits in compliance with this Section. The COUNTY'S agent or authorized representative shall give the CONSULTANT reasonable advance notice of intended inspections, examinations, and/or audits.

## **SECTION 14 OWNERSHIP OF PROJECT DOCUMENTS**

Upon completion or termination of this Agreement, all records, documents, tracings, plans, specifications, maps, evaluations, reports and other technical data, other than working papers, prepared or developed by the CONSULTANT under this Agreement shall be delivered to and become the property of the COUNTY. The CONSULTANT, at its own expense, may retain copies for its files and internal use. The COUNTY shall not reuse any design plans or specifications to construct another project at the same or a different location without the CONSULTANT'S specific written verification, adaptation or approval.

## **SECTION 15 INSURANCE COVERAGE AND INDEMNIFICATION**

15.1 The Consultant must maintain insurance in at least the amounts required in the Request for Proposal throughout the term of this contract. The contractor must provide a Certificate of Insurance in accordance with Insurance Requirements of the Request for Proposal, evidencing such coverage prior to issuance of a purchase order or commencement of any work under this Contract. See Section C Insurance Requirements – Attached

15.2 If the CONSULTANT is an individual or entity licensed by the State of Florida who holds a current certificate of registration or is qualified under Chapter 481, Florida Statutes, to practice architecture or landscape architecture, under Chapter 472, Florida Statutes, to practice land surveying and mapping, or under Chapter 471, Florida Statutes, to practice engineering, and who enters into a written agreement with the COUNTY relating to the planning, design, construction, administration, study, evaluation, consulting, or other professional and technical support services furnished in connection with any actual or proposed construction, improvement, alteration, repair, maintenance, operation, management, relocation, demolition, excavation, or other facility, land, air, water, or utility development or improvement, the CONSULTANT will indemnify and hold harmless the 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 the CONSULTANT and other persons employed or utilized by the CONSULTANT in the performance of the Agreement.

**SECTION 16  
EQUAL EMPLOYMENT OPPORTUNITY CLAUSE  
FOR CONTRACTS NOT SUBJECT TO EXECUTIVE ORDER 11246**

In carrying out the contract, the CONSULTANT shall not discriminate against employee or applicant for employment because of race, color, religion, sex or national origin.

**SECTION 17  
INDEPENDENT CONTRACTOR STATUS AND COMPLIANCE WITH THE  
IMMIGRATION REFORM AND CONTROL ACT OF 1986**

CONSULTANT acknowledges that it is functioning as an independent Consultant in performing under the terms of this Agreement, and it is not acting as an employee of COUNTY. CONSULTANT acknowledges that it is responsible for complying with the provisions of the Immigration Reform and Control Act of 1986, located at 8 U.S.C. Section 1324, *et seq.*, and regulations relating thereto. Failure to comply with the above provisions of this contract shall be considered a material breach and shall be grounds for immediate termination of the contract.

**SECTION 18  
PROHIBITION AGAINST CONTINGENT FEE**

The CONSULTANT warrants that he 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 Agreement, and that he 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 Agreement.

**SECTION 19  
TRUTH IN NEGOTIATIONS**

By execution of this Agreement, the CONSULTANT certifies to truth-in-negotiations and that wage rates and other factual unit costs supporting the compensation are accurate, complete and current at the time of contracting. Further, the original contract amount and any additions thereto shall be adjusted to exclude any significant sums where the COUNTY determines the contract price was increased due to inaccurate, incomplete or non-current wage rates and other factual unit costs. Such adjustments must be made within one (1) year following the end of the contract.

**SECTION 20  
SUCCESSORS AND ASSIGNS**

The CONSULTANT shall not assign, sublet, or transfer his interest in this Agreement without the written consent of the COUNTY.

**SECTION 21  
INTEREST ON JUDGMENTS**

In the event of any disputes between the parties to this Agreement, including without limitation thereto, their assignees and/or assigns, arising out of or relating in any way to this Agreement, which results in litigation and a subsequent judgment, award or decree against either party, it is agreed that any entitlement to post judgment interest, to either party and/or their attorneys, shall be fixed by the proper court at the rate of five percent (5%), per annum, simple interest. Under no circumstances shall either party be entitled to pre-judgment interest. The parties expressly acknowledge and, to the extent allowed by law, hereby opt out of any provision of federal or state statute not in agreement with this paragraph.

**SECTION 22  
TERMINATION OF AGREEMENT**

22.1 The COUNTY reserves the right to cancel this Agreement, without cause, by giving thirty (30) days prior written notice to the CONSULTANT of the intention to cancel. Failure of the CONSULTANT to fulfill or abide by any of the terms or conditions specified shall be considered a material breach of contract and shall be cause for immediate termination of the contract at the discretion of COUNTY. Alternatively, at the COUNTY'S discretion, the COUNTY may provide to CONSULTANT thirty (30) days to cure the breach. Where notice of breach and opportunity to cure is given, and CONSULTANT fails to cure the breach within the time provided for cure, COUNTY reserves the right to treat the notice of breach as notice of intent to cancel the Agreement for convenience.

22.2 If COUNTY terminates the Agreement for convenience, other than where the CONSULTANT breaches the Agreement, the CONSULTANT'S recovery against the COUNTY shall be limited to that portion of the CONSULTANT'S compensation earned through date of termination, together with any costs reasonably incurred by the CONSULTANT that are directly attributable to the termination. The CONSULTANT shall not be entitled to any further recovery against the COUNTY, including but not limited to anticipated fees or profit on work not required to be performed.

22.3 Upon termination, the CONSULTANT shall deliver to the COUNTY all original papers, records, documents, drawings, models, and other material set forth and described in this Agreement.

22.4 In the event that conditions arise, such as lack of available funds, which in the COUNTY'S opinion make it advisable and in the public interest to terminate this Agreement, it may do so upon written notice.

**SECTION 23  
AGREEMENT TERM**

This Agreement will become effective on the date of execution first written above and shall remain in effect for three hundred and sixty-five (365) from the commencement date on the Notice to Proceed) unless terminated at an earlier date under other provisions of this Agreement, or unless extended for a longer term by amendment.

**SECTION 24  
CONFLICT OF INTEREST**

24.1 By accepting award of this Contract, the CONSULTANT, which shall include its directors, officers and employees, represents that it presently has no interest in and shall acquire no interest in any business or activity which would conflict in any manner with the performance of services required hereunder, including as described in the CONSULTANT'S own professional ethical requirements. An interest in a business or activity which shall be deemed a conflict includes but is not limited to direct financial interest in any of the material and equipment manufacturers suppliers, distributors, or contractors who will be eligible to supply material and equipment for the PROJECT for which the CONSULTANT is furnishing its services required hereunder.

24.2 If, in the sole discretion of the County Administrator or designee, a conflict of interest is deemed to exist or arise during the term of the contract, the County Administrator or designee may cancel this contract, effective upon the date so stated in the Written Notice of Cancellation, without penalty to the COUNTY.



**SECTION 25  
ENTIRE AGREEMENT**

This Agreement represents, together with all Exhibits and Appendices, the entire written Agreement between the COUNTY and the CONSULTANT and may be amended only by written instrument signed by both the COUNTY and the CONSULTANT.

**SECTION 26  
PUBLIC ENTITY CRIMES**

CONSULTANT is directed to the Florida Public Entity Crime Act, Fla. Stat. 287.133, and Fla. Stat. 287.135 regarding Scrutinized Companies, and CONSULTANT agrees that its bid and, if awarded, its performance of the agreement will comply with all applicable laws including those referenced herein. CONSULTANT represents and certifies that CONSULTANT is and will at all times remain eligible to bid for and perform the services subject to the requirements of these, and other applicable, laws. CONSULTANT agrees that any contract awarded to CONSULTANT will be subject to termination by the County if CONSULTANT fails to comply or to maintain such compliance.

**SECTION 27  
PUBLIC RECORDS**

Consultant acknowledges that information and data it manages as part of the services may be public records in accordance with Chapter 119, Florida Statutes and Pinellas County public records policies. Contractor agrees that prior to providing services it will implement policies and procedures to maintain, produce, secure, and retain public records in accordance with applicable laws, regulations, and County policies, including but not limited to the Section 119.0701, Florida Statutes. Notwithstanding any other provision of this Agreement relating to compensation, the Consultant agrees to charge the County, and/or any third parties requesting public records only such fees allowed by Section 119.07, Florida Statutes, and County policy for locating and producing public records during the term of this Agreement.

**CONTRACTOR'S DUTY**

**If the contractor has questions regarding the application of Chapter 119, Florida Statutes, to the Contractor's duty to provide public records relating to this contract, contact the Pinellas County Board of County Commissioners, Purchasing Department, Operations Manager custodian of public records at 727-464-3311, [purchase@pinellascounty.org](mailto:purchase@pinellascounty.org), Pinellas County Government, Purchasing Department, Operations Manager, 400 S. Ft. Harrison Ave, 6<sup>th</sup> Floor, Clearwater, FL 33756.**

**SECTION 28  
GOVERNING LAW AND AGREEMENT EXECUTION**

This Agreement shall be governed by the laws of the State of Florida.

IN WITNESS WHEREOF, the parties herein have executed this Agreement as of the day and year first written above.

Firm Name:

PINELLAS COUNTY, by and through its  
County Administrator

By: 

Print Name: STEVEN C. HALLOWELL  
Title: VICE PRESIDENT Date: 2-24-2012

By: 

Barry A. Burton Date: 03/28/2022

**APPROVED AS TO FORM**

By: Jacina Parson  
Office of the County Attorney

February 10, 2022

Margaret R. Cook  
Pinellas County Utilities, Engineer 3  
14 South Fort Harrison Blvd, 6<sup>th</sup> Floor  
Clearwater, FL 33756

**SUBJECT:     Scope of Services**  
**PID 002150A, Gulf Beach Water Booster Station Improvement - Phase 1**

Dear Ms. Cook,

Attached please find our Scope of Service for the PID 002150A, Gulf Beach Water Booster Station Improvements – Phase 1 project. During the Phase 1 project, we will develop a Preliminary Engineering Report which will define the specific improvements to be designed and constructed in the Phase 2 project. Before completing the Phase 1 project, we will submit a Scope of Services for the Phase 2 project.

We sincerely appreciate this opportunity to be of service to the County on this project and look forward to starting work.

Sincerely,

**WRIGHT-PIERCE**



Christopher C. Baggett, PE  
Senior Project Manager  
[christopher.baggett@wright-pierce.com](mailto:christopher.baggett@wright-pierce.com)

## **SCOPE OF SERVICES**

### **Professional Engineering Services**

**21-0610-NC (SS)**

**for the**

### **Gulf Beach Water Booster Station Improvements – Phase 1**

**PID 002150A**

#### **BACKGROUND**

Pinellas County Utilities' (COUNTY's) water is purchased from Tampa Bay water and enters the Pinellas County water network in the Northeast County area near the Pinellas/Pasco County line. Through a network of booster pump stations and control valves, the water travels south approximately 35 miles to the southern tip of Pinellas County at Fort Desoto Park. The COUNTY has recently undergone multiple water quality improvement and booster station upgrade projects starting at the north end of the COUNTY and working its way downstream to the south. The Gulf Beach Water Booster Station (GBWBS) is the next location within the Utility Capital Improvement Program scheduled for upgrades.

The COUNTY has selected Wright-Pierce, Inc. (CONSULTANT) to perform the engineering assessment and design services necessary to construct improvements to the GBWBS. The GBWBS is located at 4501 Gulf Boulevard, St. Pete Beach, FL 33706 and was originally constructed around 1969. In general, the scope of the GBWBS Improvements (Project) is to provide preliminary engineering, design, permitting and engineering services during construction to rehabilitate the station to meet current industry and operational standards, which includes:

- Replacement of three (3) horizontal split case pumping units.
- Replacement of the sodium hypochlorite bulk storage and feed systems.
- Replacement of two flow meters (the fill and discharge) and two control valves (fill and bypass).
- Replacement of piping and manual valves necessary to accommodate upgrades.
- Reconstruction or replacement of motor control centers (MCCs), switchgear, variable frequency drives, and interior lighting.
- Installation of either a new permanent or temporary backup diesel generation system.
- Instrumentation and controls improvements associated with the project including a new Local Control Panel with a Programmable Logic Controller (PLC) and connection to COUNTY's Supervisory and Control Data Acquisition (SCADA) networks.
- Incorporation of flood mitigation and storm surge resiliency into the overall Project.

Because the incorporation of flood mitigation and storm surge resiliency considerations into this Project may necessitate replacement of the existing one-story pump building on the existing GBWBS site, the Scope of Services presented herein is only for preliminary engineering associated with the GBWBS Improvements. The Preliminary Engineering Report

(PER) developed as part of the Scope of Services presented herein will define the actual improvements to be designed and constructed. After completion of the PER, the CONSULTANT will submit a separate Scope of Services for design, permitting and engineering services duration construction associated with the GBWBS Improvements.

The CONSULTANT's specific Scope of Services for preliminary engineering associated with this Project is as follows:

### **SCOPE OF SERVICES**

#### **Task 1 – Project Management**

The CONSULTANT will perform the below services:

- A. Project management services throughout the 24-week duration of the Project, which include:
  - Setting up and updating the project plan, accounting files, project schedule using Microsoft Project, and resource projections as need to keep project on schedule and within budget.
  - Conducting internal project meetings to review project status and issues that have the potential to impact the project, prioritizing efforts and scheduling and assigning personnel and other necessary resources. Critical issues identified during the internal project meetings will be communicated to the COUNTY.
  - Communicating with the COUNTY as necessary to coordinate, plan, and manage the project.
  - Developing and submitting monthly invoices with status reports and updated schedules. The status reports will include descriptions of work completed and a summary of the critical issues and items discussed during internal meetings over the past month.
- B. Conduct a Teams enabled Project Kickoff Meeting with COUNTY staff to discuss the project scope, schedule, critical success factors, information needs, and coordinate information exchanges. The CONSULTANT will develop a meeting agenda and will electronically submit a meeting summary to all attendees.

#### **Task Deliverable(s):**

- Kickoff Meeting agenda in portable document format (PDF) distributed at meeting.
- Kickoff Meeting summary in PDF electronically submitted to attendees.
- Monthly status report and updated schedule with each invoice (all in PDF).

#### **Task Assumption(s):**

- The Kickoff Meeting will be held within 2 weeks of the Notice to Proceed.
- The CONSULTANT's Project Manager and a Project Engineer will attend the Kickoff Meeting in person. Other members of the CONSULTANT's team may attend the meeting by Teams.

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## **Task 2 – Preliminary Engineering**

### **2.1 Topographic Survey, Subsurface Utility Engineering, and 3D Scan**

The CONSULTANT's subconsultant, ECHO Utility Engineering & Surveying, Inc., will perform the below services:

- Topographic survey of the GBWBS site, which includes:
  - A temporary benchmark and survey horizontal control in the North American Datum of 1983, 2011 Adjustment (NAD 83/2011) and vertical control in the North American Vertical Datum of 1988 (NAVD 88);
  - Above grade and visible features and surface evidence utilities (e.g., ground storage tank (GST), buildings, manholes, piping, sidewalks, vaults, vaults, valve boxes, etc.) and utility markings;
  - Top elevations of valve nuts within valve boxes;
  - Top elevations and inverts of vaults;
  - Accessible storm and gravity main size, material, and inverts;
  - Above grade fill valve assembly and piping located inside the wood shed on the north side of the GST;
  - Inside wall dimensions and exterior door locations of the pump station;
  - Sufficient elevation data to create a digital terrain model (DTM) of the site.
- Subsurface Utility Engineering (SUE) services to locate and confirm depths, materials, and sizes of existing utilities at connection points of new utilities to existing utilities and at potential conflict locations within the GBWBS site. Up to 20 test holes/soft digs will be performed over a maximum of 3 days.
- 3D scanning services inside the pump room to provide a registered point cloud relative to the survey control.

### **2.2 Geotechnical Engineering**

The CONSULTANT's subconsultant, Madrid Engineering Group, Inc. will perform the below services:

- Geotechnical exploration of the GBWBS site, which includes:
  - Site reconnaissance and staking of borings;
  - Utility locates via Sunshine One Call (required 3 days prior to the field work);
  - Two 50-foot deep, one 30-foot deep, and two 10-foot deep Standard Penetration Test (SPT) borings;
  - One shallow test pit (up to 2 feet deep) to look for historical indicators of a seasonal high water table (SHWT) and collection of two undisturbed samples for permeability testing;
  - One hand auger (up to 7 feet deep) to verify water table depth, if encountered, and to look for indicators of a SHWT.
- Laboratory testing and classification and laboratory testing on soils from the borings, including permeability testing and #200 sieve percent on the undisturbed sample.
- Prepare and provide a geotechnical report electronically signed and sealed by a Florida registered professional geotechnical engineer, which includes:
  - A brief summary of NRCS soil survey including published SHWT data;

- Summary of laboratory testing;
- Boring locations;
- Soil characterization including boring logs/profiles;
- General geotechnical recommendations for shallow foundations (i.e., bearing capacity, sizing, embedment and settlement), potential stormwater swale (including confining layers, recommended SHWT and shallow permeability rates), and pipelines/ vaults (excavation, bedding, dewatering, compaction and backfill);
- General earthwork recommendations, including fill and compaction requirements;
- Discussion of any deleterious soil conditions encountered.

### **2.3 Pre-renovations Asbestos Survey and Lead Based Paint Screening**

The CONSULTANT will perform a pre-renovation asbestos survey and lead base paint screening to identify potentially hazardous waste materials that will need to be contended with during construction. A report will be prepared and provided that includes observations, sampling methodologies, conclusions, and recommendations of the pre-renovations asbestos survey and lead based paint screening.

### **2.4 Sea Level Rise Assessment**

The CONSULTANT's subconsultant, Freese and Nichols, Inc., will perform a sea level rise (SLR) assessment, which will address the following items:

- Climate Science:
  - Summarize SLR estimates;
  - SLR scenario selection;
  - SLR inundation mapping.
- Vulnerability Assessment:
  - Exposure: Degree to which an asset is unprotected or left in a vulnerable state (e.g., depth of flooding due to SLR);
  - Sensitivity: Degree to which an asset is impacted (e.g., temporary flooding causes minimal impact or results in complete loss of asset or shut-down);
  - Adaptive Capacity: Ability of an asset to adjust to climate change, to moderate potential damages, to take advantage of opportunities, or cope with the consequences.
- Risk Assessment:
  - Evaluate consequences to help set priorities for adaptation planning (i.e., cost of reconstruction or repair, economic impact of disruption, length of disruption, irreversibility of impact).
- Adaptation Measures: Identify, prioritize, and incorporate means to reduce, mitigate, or protect from unacceptable risks.
  - Identify adaptation strategies and approaches to protect assets and increase adaptive capacity;
  - Prioritize strategies based on risk levels, sequence of expected impacts, and adaptive capacity;
  - Timing of strategies: When do they need to be implemented.

The effort will be summarized in an Inundation Memorandum. Draft and final copies of the Inundation Memorandum will be submitted to the COUNTY. Following submission of the draft Inundation Memorandum, the CONSULTANT and subconsultant will conduct a Teams-enabled review meeting with the COUNTY to discuss the COUNTY's comments and agree on modifications to be incorporated into final Inundation Memorandum. Following the review meeting, the CONSULTANT and subconsultant will finalize the Inundation Memorandum. The CONSULTANT will develop a meeting agenda and will electronically submit a meeting summary to all attendees.

## **2.5 Data Collection and Review and Field Visits**

The CONSULTANT will perform the below services:

- A. Obtain and review available reports, test and operating data, maintenance records, SCADA data, and record drawings for the facility to determine additional data that will be required to complete the preliminary engineering evaluations, if any.
- B. Perform up to three (3) field visits to observe existing conditions and operations and to obtain dimensions.

## **2.6 Hydraulic and Water Quality Design Criteria Development**

The CONSULTANT will perform the below services:

- A. Establish the Hydraulic Design Criteria for the replacement fill valve, bypass valves, and pumps based on consideration of the following:
  - Review of 2020 and 2021 SCADA data to document the following historical ranges during each of the below operating modes:
    - Bypass Mode: Range (low, average, and peak) of bypass flows and system pressures.
    - Fill Mode: Range (low, average, and peak) of fill flows, bypass flows, and system pressures.
    - Pumping Mode: Range (low, average, and peak) of pumped flow and system pressures.
    - Refresh Mode: Range (low, average, and peak) of fill flow, pumped flow, and system pressures.
  - Results of hydraulic modeling scenarios, performed by the CONSULTANT, to establish the range of hydraulic design conditions that the replacement fill valve, bypass valves, and pumps will likely be subjected to and/or will need to satisfy.
  - Results of hydraulic modeling scenarios, performed by the CONSULTANT, to determine construction sequencing requirements for the GBWBS Improvements project.
- B. Establish the Water Quality Design Criteria for pre-GST and post-GST sodium hypochlorite bulk storage and feed systems based on consideration of the following:



- Review of 2020 and 2021 SCADA data to document the historical ranges of pre-chlorine injection and post-chlorine injection during the Bypass Mode, Fill Mode, Pumping Mode, and Refresh Mode.
- Results of a water quality (total chlorine) modeling scenario, performed by the CONSULTANT, to help establish the needed chlorine dosing ranges for the feed systems.

Items developed as part of this subtask will be incorporate into the Preliminary Engineering Report (PER).

## **2.7 Pump Station Building Evaluations**

The CONSULTANT will perform architectural/engineering evaluations to develop pump station building modification alternatives to accommodate proposed pump station improvements and to incorporate flood mitigation and storm surge resiliency considerations. It should be noted that location of the existing on-site 2-MG pre-stressed concrete GST (inside diameter is 110 feet), which was reported to be good structural condition during its last tank inspection in 2018, limits building expansions on the nearly 0.78 acre GBWBS site. The CONSULTANT will evaluate up to three building alternatives, which are envisioned to include:

- Modify the existing one-story block building.
- Demolish the existing one-story bock building and construct a new two-story block building in the same location.
- Construct a new two-story block building on the south side of the existing GST and then demolition the existing one-story block building.

The CONSULTANT will evaluate the incorporation of flood mitigation and storm surge resiliency considerations into the design, which are envisioned to include:

- Using deployable and/or permanent flood barriers;
- Modify the existing or designing the replacement building to be leak resistant to the flood depth identified in the SLR assessment;
- Modifying existing or designing the replacement building to withstand the hydrostatic pressure associated with flooding depth identified in the SLR assessment;
- Locating critical equipment above the flooding depth identified in the SLR assessment.

For each building alternative, the CONSULTANT will perform the following:

- Summarize applicable codes;
- Summarize architectural, structural, HVAC, plumbing, general electrical and lighting, flood mitigation and stormwater resiliency improvements, and landscape improvement;
- Develop a preliminary overall floor plan.

The CONSULTANT will recommend alternatives for implementation and will develop an elevation and rendering of the recommended building alternative. Items developed as part of this subtask will be incorporate into the PER.

## 2.8 Component Evaluations

The CONSULTANT will perform engineering evaluations to develop component design alternatives. Evaluations are envisioned to include:

### A. Booster Pumping:

- The CONSULTANT will evaluate the quantity, size, and types (horizontal split case or vertical turbine) of pumps which will satisfy the Hydraulic Design Criteria and provide an energy efficient and reliable operation and will make a recommendation for implementation. The types of pumps are envisioned to be in accordance with applicable COUNTY standards and/or standard products used by the COUNTY.
- The CONSULTANT will size pump suction and discharge piping, isolation valves, and check valves in accordance with Hydraulic Institute (HI) Standards. The types of check valves, piping, and isolation valves are envisioned to be in accordance with applicable COUNTY standards and/or standard products used by the COUNTY. The CONSULTANT will consider the hydraulic dynamics of the system when selecting check valves.
- The CONSULTANT will evaluate different options for removal of pumps (e.g., use a potable lift or raise roof height to allow for installation of a bridge crane) and will make a recommendation for implementation.
- The CONSULTANT will develop a general layout of the replacement pump station, which complies with HI Standards.

### B. Sodium Hypochlorite Bulk Storage and Feed:

- The CONSULTANT will evaluate the quantity, size, and types (diaphragm or peristaltic) of pre-GST and post-GST of metering pumps, piping, and injection quill assemblies needed for neat injection of sodium hypochlorite to satisfy the Water Quality Design Criteria. The CONSULTANT will consider the potential for chlorine gas lock and need for mitigation measures and will make recommendations for implementation.
- The CONSULTANT will determine the sodium hypochlorite bulk storage requirement, evaluate different storage tanks options, and will make a recommendation for implementation.
- The CONSULTANT will evaluate the accuracy and operational and maintenance requirement of the existing water quality analyzers and up to two alternative analyzers and make a recommendation for implementation.
- The metering pumps, storage tanks, piping, injections quill assemblies, and storage tanks are envisioned to be in accordance with applicable COUNTY standards and/or standard products used by the COUNTY.
- The CONSULTANT will develop a general layout of the chlorine feed, storage, piping, and injection system.

### C. Yard Piping and Appurtenances:

- The CONSULTANT will size replacement flow meters, control valves (fill valve and bypass), yard piping, and isolation valves using the Hydraulic Design

Criteria, applicable manufacturers' recommendations, and industry standard practice. Flow meter sizes will satisfy the accuracy requirements through the range of flow defined in the Hydraulic Design Criteria. The control valves will be sized to avoid damaging cavitation and avoid excessive noise to the extent practical. Control valve will be installed in an existing vault and wood shed to reduce noise.

- The flow meters, control valves, yard piping, and isolation valves are envisioned to be in accordance with applicable COUNTY standards and/or standard products used by the COUNTY.
- The CONSULTANT will develop a general yard piping layout.

D. Electrical Systems:

- Summarize electrical loads and supply requirements;
- Evaluate existing MCCs, switchgear, and variable frequency drives and make recommendations for reconstruction or replacement;
- Select and size replacement equipment;
- Evaluate need for either a permanent or temporary backup diesel generation system and make a recommendation for implementation;
- Calculate size recommended for diesel backup generation;
- Determine required power distribution improvements and identify existing component that can be reused if any.
- Evaluate options for electrical room layouts and make a recommendation for implementation;
- Determine power monitoring system requirements;
- Coordinate with Duke Energy if changes to the electrical loads or primary service are anticipated;
- The CONSULTANT will develop a one line-diagram and electrical room layout.

E. Instrumentation and Controls and SCADA System:

- Select and size replacement instruments;
- Review and update P&IDs;
- Determine I/O tag mapping requirements and platform migration/conversion requirements (if necessary);
- Evaluate system configurations, network architecture and panel locations/layouts.

F. HVAC System:

- Summarize heat loads for the electrical room to verify air conditioning equipment capacity needs;
- Select and size replacement HVAC equipment.

Items developed as part of this subtask will be incorporated into the PER.

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## **2.9 Preliminary Opinion of Probable Construction Cost**

The CONSULTANT will develop a preliminary opinion of probable construction cost for the selected alternatives, which will be incorporated into the PER. The preliminary opinions will be Class 5 cost estimates as defined by the Association for the Advancement of Cost Engineering (AACE) International. Items developed as part of this subtask will be incorporated into the PER.

## **2.10 Preliminary Engineering Report**

The CONSULTANT will develop a PER that provides a summary of the evaluations conducted and recommendations, drawings/figures developed, construction sequencing requirements, an opinion of probable construction cost, results of a cursory environmental/biological assessment of site for listed species, permits needed, a preliminary construction schedule, a preliminary drawing list, and a preliminary list of technical specifications. Draft and final copies of the PER will be submitted to the COUNTY. Following submission of the draft PER, the CONSULTANT will conduct a Teams-enabled review meeting with the COUNTY to discuss the COUNTY's comments and agree on modifications to be incorporated into the PER. Following the review meeting, the CONSULTANT will finalize the PER. The CONSULTANT will develop a meeting agenda and will electronically submit a meeting summary to all attendees.

## **2.11 Review Meetings**

The CONSULTANT will conduct up to four (4) Teams-enabled review meetings with the COUNTY to review and discuss critical items to facilitate development and approval of the PER. Items envisioned to be reviewed and discussed at the review meetings include Hydraulic Design Criteria, Water Quality Design Criteria, and aspects related to the Pump Station Building Evaluations and the Component Evaluations. For each review meeting, the CONSULTANT will develop a meeting agenda and will electronically submit a meeting summary to all attendees.

### Task Deliverable(s):

- A geotechnical report in PDF electronically signed and sealed by a Florida registered professional geotechnical engineer will be electronically submitted to the COUNTY.
- A report in PDF that includes observations, sampling methodologies, conclusions, and recommendations of the pre-renovations asbestos survey and lead based paint screening will be electronically submitted to the COUNTY.
- Draft and final copies of the Inundation Memorandum in PDF will be electronically submitted to the COUNTY.
- Draft and final copies of the PER in PDF will be electronically submitted to the COUNTY. The final PER will be electronically signed and sealed by the CONSULTANT.
- An agenda will be distributed at each meeting. A meeting summary of each meeting will be electronically submitted to attendees.

**Task Assumption(s):**

- All improvements will be constructed on the existing GBWBS property.
- A boundary survey of the existing GBWBS property will not be required.
- The review meetings associated with the draft Inundation Memorandum and the draft PER will occur within two (2) weeks of each submission.
- The CONSULTANT’s Project Manager and a Project Engineer will attend meetings in person. Other members of the CONSULTANT’s team will attend the meeting by Teams.
- The Subconsultant’s Project Manager will attend the Inundation Memorandum review meetings in person. Other members of the Subconsultant’s team will attend the meeting by Teams.

**PERFORMANCE SCHEDULE**

The schedule for the performance of this Work Assignment is listed below.

<b>Description</b>	<b>Weeks from NTP</b>
Conduct Kickoff Meeting	2 weeks
Submit Draft Inundation Memorandum	6 weeks
Conduct Draft Inundation Memorandum Review Meeting	9 weeks
Submit Final Inundation Memorandum	12 weeks
Submit Draft PER	18 weeks
Conduct Draft PER Review Meeting	21 weeks
Submit Final PER	24 week

**COMPENSATION TO THE CONSULTANT:**

For the BASIC SERVICES, the COUNTY agreed to pay as follows:

A Lump Sum Fee of: Fifteen Thousand One Hundred Ninety-five and 00/100 Dollars (\$15,195.00) for the Task 1 - Project Management

A Lump Sum Fee of: Two Hundred Thirty-four Thousand Five Hundred Twenty-two and 30/100 Dollars (\$234,522.30) for the Task 2 – Preliminary Engineering

The above fees shall constitute the total not to exceed amount of \$249,717.30 for the performance of Basic Services. All man hours are billed per the established and agreed hourly rates. The hourly rates are fully loaded and include all labor, overhead, expenses and profit of any nature including travel.

November 3, 2021

Christopher Baggett, PE  
Wright-Pierce  
Senior Project Manager

## **PROPOSAL FOR SURVEY AND SUBSURFACE UTILITY ENGINEERING SERVICES**

**Project: Pinellas County Gulf Beach Water Booster Station Improvements, Pinellas County**

Dear Mr. Baggett:

At ECHO UES, Inc. (ECHO) we value your consideration and appreciate the opportunity to provide this technical proposal for the requested professional services in support of this project. This technical proposal, inclusive of our economical offer, details the approach we consider as the most suitable for this project.

**Project Synopsis:** Based on the information made available to ECHO, we understand the project to consist of design services related to improvements for the Gulf Beach Water Booster Pump Station in Pinellas County. ECHO's professional services were requested to provide a topographic survey and subsurface utility engineering services as further described below.

**Project Limits:** ECHO's proposed services will be performed within well-defined limits (i.e., Project Limits) as shown on the attached graphic representations.

### **I. Topographic Survey**

ECHO shall provide a topographic survey locating existing conditions, and existing aboveground and visible improvements within the area delineated in red on the attached exhibit and more particularly described as 10' beyond the north and east sides of Tax Parcel ID: 07-32-16-51660-000-0011 and to the centerline of the adjoining streets to the west and south sides. Additional project specific items to be performed include:

- Set horizontal control referenced to the Florida State Plane Coordinate System, West Zone, North American Datum of 1983, 2011 Adjustment (NAD 83/2011)
- Set vertical control referenced to the North American Vertical Datum of 1988 (NAVD 88)
- Collect all aboveground and visible features including surface evidence of utilities.
- Collect all accessible gravity utilities including pipe size, material, and inverts within the project limits and include next upstream and downstream sanitary manhole and/or

storm manhole/inlet. A note will be included on the survey for any structures that are not able to be detailed noting the cause.

- Valve assembly and piping located inside a wood building on the north side of the pump station.
- Ladder attached to the exterior of the water tank
- Inside wall dimensions and exterior door locations of the pump station
- Collect sufficient elevation data to create a digital terrain model (DTM) of the site.
- Elevations will be shown to the nearest tenth of a foot (0.1') on natural ground or soft shots and the nearest one-hundredth (0.01') of a foot on paved or hard surfaces.
- The horizontal and vertical survey control will be provided in the final survey in tabular format for use by the contractor during construction activities.
- Recover and tie down sufficient monumentation in the field to calculate the existing apparent right-of-way along all public roadways within the project limits. Property lines and right-of-way will be shown as calculated based on field monumentation but is not to be considered a Boundary Survey.
- Items as noted on Survey Scope Summary document provided by Wright-Pierce (see attached).
- All survey efforts will be conducted in accordance with the Standards of Practice set forth in Rule Chapter 5J-17, F.A.C., pursuant to Section 472.027, F.S.

## **II. Subsurface Utility Engineering (SUE) Services**

Using a combination of field investigative techniques and technology, including surface geophysical instruments, including ground penetrating radar (GPR), ECHO will perform the following services.

1. **Identification and marking of existing utilities.** Utilities potentially in conflict with the project and located within the project limits will be investigated in the attempt to identify their position. The results will be marked on the ground surface using the most appropriate method (i.e., pin flags, paint etc.) and showing the approximate position of the identified utilities.

***Utilities that ECHO will attempt to identify and mark are utilities located within the project limits, including when applicable, irrigation lines, services lines and gravity lines.***

2. **Verification of utility location and characteristics.** At specific locations ECHO will attempt to expose utilities via minimally intrusive methods (e.g., use of vacuum excavation) to confirm their characteristics (e.g., type, size, material, direction, configuration) and provide an accurate location. At completion of each excavation (test hole) ECHO will record all verifiable utility information, mark the utility location with the most appropriate method (e.g., wooden lathes, "X" mark on concrete, nail and disk on asphalt) and restore the field to as close as possible to its original conditions. The services include up to twenty (20) test holes to be performed at locations determined by Wright-Pierce.

***The topographic survey and SUE services shall terminate at the edges of the existing pump station and not include any additional information inside the pump station.***

### **III.3D Scanning Services (Optional)**

ECHO shall provide 3D scanning services inside the booster station and provide a registered point cloud relative to the survey control points used for the topographic survey. The point cloud will be certified by a Florida Professional Surveyor and Mapper and can be utilized for data analysis, 3D modeling, or performing measurements by Wright-Pierce.

***ECHO will certify to the accuracy of the 3D point cloud provided but will not be liable for any activities performed by Wright-Pierce.***

**Deliverables** will consist of:

- Test hole data sheets containing all the information obtained via test holes and visual verification.
- Survey digital CADD file (AutoCAD) inclusive of sheeting on appropriate format and scale, and a signed and sealed surveyor's report.
- Deliverables will be prepared in accordance with Wright Pierce's Survey Checklist and the latest Pinellas County CADD kit.
- 3D point cloud of booster station (Optional Service)

**Proposed Schedule:** To be discussed and agreed upon with the client following acceptance of this proposal.

#### **Notes and Limitations:**

1. Client shall facilitate access to the site and provide any relevant project information.
2. Site must be clear from obstacles impeding access to any portion of the project limits.
3. Standard work hours are from 7:00am to 4:00pm, Monday through Friday; additional charges may occur (following discussion with the Client) in case of weekend or nighttime work.
4. ECHO will not work on any site that is known to be contaminated with any hazardous or harmful substance.
5. FDOT Design Standards (Index 600 Series) will be utilized for the Maintenance of Traffic (MOT). Should the site require modification to the Index 600 for non-standard MOT arrangements, ECHO will seek the Client's concurrence to obtain signed and sealed project's specific MOT plans (to be provided by others).
6. Unless otherwise stated within this proposal, test holes have usual depth of up to eight (8) ft. from the ground surface, and diameter of up to 1 ft. Should there be a need for deeper or wider excavations, additional charges may apply.
7. The original ground surface at each test hole location will be restored to as close as possible to its original conditions, using concrete mix or asphalt cold patch as applicable. Any deviation from this standard (e.g., use of hot asphalt, flowable fill etc.) may require additional charges and the use of specialty subcontractors.
8. Regardless of the type of estimate proposed (e.g., lump sum, time, and materials, etc.) such estimate should be considered indicative and based on preliminary information. Should any situation out of ECHO's control heavily impact ECHO's field work performance (e.g., adverse site conditions), ECHO reserves the right to seek additional funds to complete the work.
9. The exact location of any underground utility is not guaranteed unless clearly exposed and visually verified at a specific location. Utility characteristics, methods of installation, soil conditions and the surrounding environment all may impact adversely the results of any utility investigation with surface



geophysical instruments and technology. No guarantee is made that all utilities will be found and identified.

10. Subsurface Utility Engineering, Designating and Locating terms all refer to the American Society of Civil Engineers / Construction Institute Standard for the Collection and Depiction of Subsurface Utility Data (ASCE/CI 38-02). Should ECHO adopt this standard for the performance of the scope of work and preparation of deliverables, clear mention to the Standard shall be made throughout the deliverable.

**Fee:** ECHO's competitive offer, which is inclusive of all field, office, materials, supplies, and equipment costs is:

- I. Topographic Survey & SUE Services: **\$27,534.00 (Lump Sum)**
- II. 3D Scanning & Point Cloud Preparation: **\$3,994.00 (Lump Sum)**

**Acceptance:** We will honor this proposal for 90 days. If accepted, please return to our attention together with a professional services agreement / task work order authorization and official Notice to Proceed.

At ECHO UES, Inc. we believe in collaboration and communication with our clients and are driven to understand their needs and provide time efficient and cost-effective solutions. ECHO strives to provide quality utility and survey reliable data to design better, build faster, and safely enhance Engineering, Design, Construction and Maintenance of infrastructure.

Thank you for considering ECHO for this important project and please do not hesitate to contact me directly should you have any questions or concern.

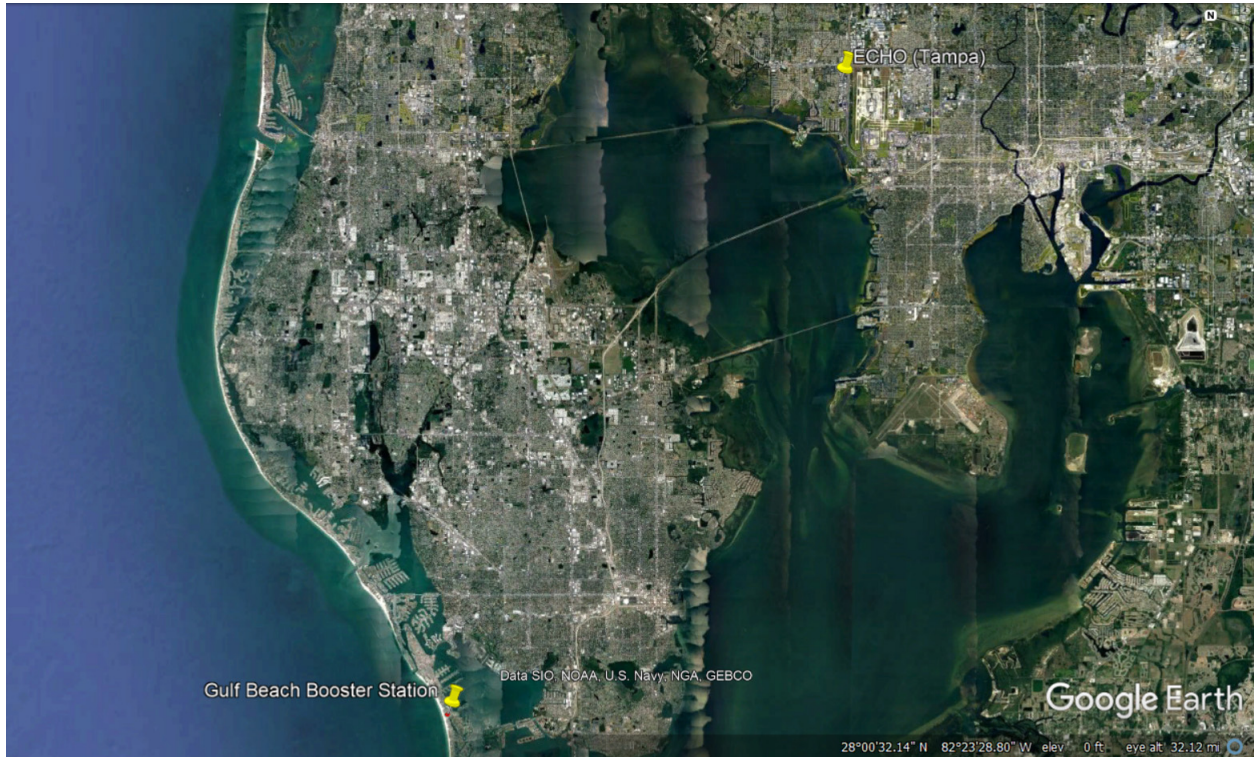
Sincerely,

**ECHO UES, Inc.**

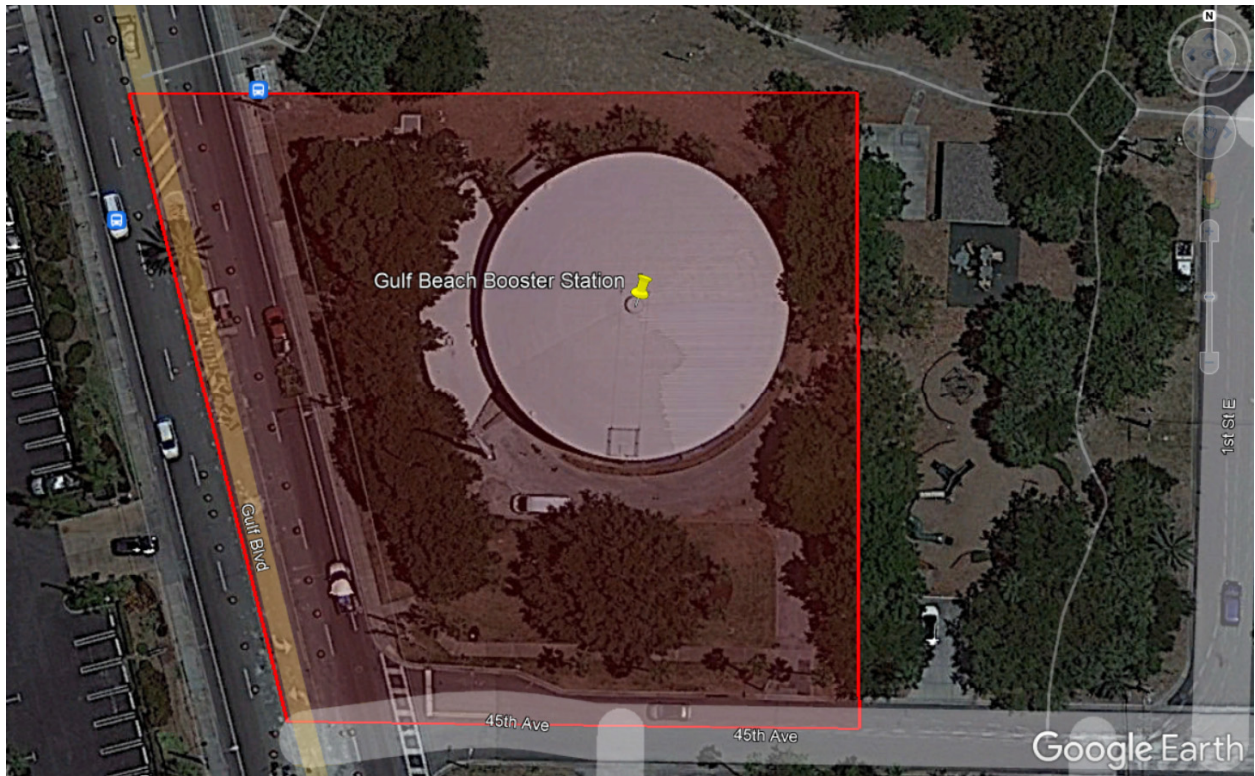


Mike Patterson, PSM  
Vice President

## Vicinity Map



## Project Limits





October 28, 2021

Mr. Christopher Baggett  
Wright-Pierce  
601 South Lake Destiny Road  
Suite 290  
Maitland, FL 32751  
[christopher.baggett@wright-pierce.com](mailto:christopher.baggett@wright-pierce.com)

**Ref: Gulf Beach Booster Station  
St Pete Beach, FL  
Madrid Proposal No. 14989**

Dear Mr. Baggett:

Madrid Engineering Group, Inc., dba Madrid CPWG, (Madrid) has been requested to provide an estimate for a geotechnical exploration and evaluation for proposed improvements at the existing Gulf Beach Booster Station in St Pete Beach, Florida. The proposed improvements include expansion of the existing building, replacement of vaults and pipelines, and a swale system for stormwater control purposes. The purpose of the exploration is to collect subsurface soil and groundwater information in order to provide data and geotechnical recommendations for the proposed improvements. A final report with a summary of the exploration including a discussion of subsurface conditions, boring profiles, laboratory test results, and geotechnical evaluation with general geotechnical recommendations will be provided.

Madrid proposes the following scope of work:

**Scope of Work:**

- Site reconnaissance and stake borings;
- Utility locates via Sunshine One Call (required 3 days prior to the field work);
- Mobilization to the site;
- Two (2) SPT borings to an average depth of 50 feet within the proposed building expansion area (location to be determined prior to field work);
- One (1) SPT boring to a depth of 30 feet within the proposed generator pad (location to be determined prior to field work);
- Two (2) SPT boring to a depth of 10 feet for the proposed vaults and pipeline replacement areas;

**AT THE READY**

2030 State Road 60 East, Bartow, FL 33830  
P: 863.533.9007

**Athletic Complex Design**

**Commercial Development**

**Construction Engineering and Inspection (CEI)**

**Construction Management**

**Environmental Services and Water Resources**

**Geotechnical Engineering**

**Landscape Architecture**

**Land Development**

**Materials Testing**

**Municipal Services**

**Parks and Recreation**

**Pavement Management**

**Planning**

**Power Services**

**Roadway Design**

**Stormwater Services**

**Sinkhole Services**

**Structural Engineering**

**Surveying and Mapping**

**Transportation Utilities**



- One (1) shallow (approximately 2 feet deep) test pit will be completed at the swale site to look for historical indicators of a SHWT. The test pit will be supplemented with a hand auger boring (max 7 ft. depth) to verify the water table depth, if encountered, and to look for other indicators of a SHWT. At the base of the test pit, two (2) undisturbed samples will be collected (1 horizontal and 1 vertical) for permeability testing in our laboratory;
- Review of reported seasonal high water table (SHWT) and soil map unit(s) from NRCS Soil Survey;
- Classification and laboratory testing (as needed) on soils from the borings will be performed, including permeability testing and #200 sieve percent on the undisturbed samples;
- Settlement and Bearing Capacity Analyses for shallow foundations;
- Provide an electronic copy of the report signed and sealed by a registered professional geotechnical engineer which will include:
  - A brief summary of NRCS soil survey including published seasonal high groundwater data
  - Summary of laboratory testing
  - Soil characterization including boring logs/profiles
  - CAD Figures
  - General geotechnical recommendations for shallow foundations (i.e. bearing capacity, sizing, embedment and settlement), stormwater swale (including confining layers, recommended SHWT and shallow permeability rates), and pipelines/ vaults (excavation, bedding, dewatering, compaction and backfill).
  - General earthwork recommendations, including fill and compaction requirements
  - Discussion of any deleterious soil conditions encountered

#### **Services Not Included in Scope of Work**

- Survey of boring locations by Madrid (stakes may be left at boring locations for later survey if desired)
- Delineation of any deleterious materials encountered
- Construction Documents and Specifications
- Design/engineering services other than those described herein
- Evaluation of subsurface conditions in other areas of the site other than those described herein
- Construction monitoring (QA/QC) or materials testing (CMT)
- Evaluation of sinkhole activity



**TASK 1: FIELD SERVICES**

	QUANTITY	RATE	UNIT	COST
DRILL RIG & WATER TRUCK MOBILIZATION	1	\$ 500.00	/LS	\$ 500.00
SPT BORINGS (0-50') (2 @ 50', 1@30' & 2 @ 10')	150	\$ 15.00	/LF	\$ 2,250.00
BOREHOLE GROUT/BACKFILL (0-50') (6 @ 20')	150	\$ 5.50	/LF	\$ 825.00
TEST PIT/HAND AUGER/UNDISTURBED SAMPLES/SHWT	1	\$ 200.00	/EA	\$ 200.00
SITE RECON/STAKE BORINGS (SNR FIELD TECH)	6	\$ 78.00	/HR	\$ 468.00
<b>Proposed Budget for Field Services</b>				<b>\$ 4,243.00</b>

**TASK 2: LABORATORY TESTING OF SOILS**

CONSTANT HEAD PERMEABILITY TESTING (1 SET=1HOR/1VER'	1	\$ 320.00	/SET	\$ 320.00
VISUAL CLASSIFICATION/CREATE BORING LOGS (SNR LAB TECI	3	\$ 78.00	/HR	\$ 234.00
ORGANIC CONTENT	2	\$ 45.00	/EA	\$ 90.00
ATTERBERG LIMITS	1	\$ 112.50	/EA	\$ 112.50
MINUS 200 SIEVE PERCENT	10	\$ 45.00	/EA	\$ 450.00
MOISTURE CONTENT	10	\$ 15.00	/EA	\$ 150.00
<b>Proposed Budget for Laboratory Testing</b>				<b>\$ 1,356.50</b>

**TASK 3: PROFESSIONAL SERVICES AND REPORT**

LUMP SUM	1	\$ 2,150.00	/LS	\$ 2,150.00
<b>Proposed Budget for Professional Services</b>				<b>\$ 2,150.00</b>
<b>TOTAL PROPOSED BUDGET</b>				<b>\$ 7,749.50</b>

Madrid requests an AutoCAD drawing of the site plans including topography, if available. The proposal assumes site access with standard two-wheel drive equipment and no clearing, MOT or permits are required to complete the field work. Borings will be located by handheld GPS. This proposal is valid for 90 days from the date estimated. Project will be billed Lump Sum by task based on the scope provided above. We anticipate beginning the field work approximately 3 weeks after receiving the authorization to proceed and field services will take 2-3 days to complete. The final report summarizing our findings will be complete approximately 2 weeks following completion of the field work. No additional work shall be completed without the client's prior approval. Should any additional work be required (such as additional drilling depth or delineation of deleterious materials based on findings), it will be billed at our standard unit rates.

Please refer to Madrid project number 14989 on all correspondence. If this proposal meets your approval, please sign in the space provided for Authorization to Proceed or provide a Purchase/Task Order and email a copy to our office. Should you have any questions or comments, please feel free to contact us.

**Madrid Engineering Group, Inc.**

John E Delashaw, P.E.  
Vice President

AUTHORIZATION TO PROCEED

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

## SCOPE OF SERVICES

### PINELLAS COUNTY GULF BEACH BOOSTER STATION IMPROVEMENTS – SEA LEVEL RISE ASSESSMENT

#### PROJECT UNDERSTANDING

Freese and Nichols, Inc., (FNI) will provide the following scope of services to Wright-Pierce (CLIENT) and Pinellas County (OWNER) under this contract. FNI will provide a Sea Level Rise (SLR) assessment for the Gulf Beach Booster Station (GB BS) Improvements

**BASIC SERVICES:** This project will support the planning for the protection of the GB BS from projected SLR in accordance with Florida Statutes 161.551 and Pinellas County's "GUIDANCE FOR INCORPORATING SEA LEVEL RISE INTO CAPITAL PLANNING". FNI shall render the following professional services in connection with the development of the Project:

FNI's approach shall follow the OWNER's guidelines and perform the four primary steps:

- 1) Climate Science: What is the current science and what are the local projections for SLR?
- 2) Vulnerability Assessment: Which assets are vulnerable to SLR?
- 3) Risk Assessment: Which assets are at greatest risk to SLR?
- 4) Adaptation Measures: What can we do to improve the asset's resiliency to impacts from SLR?

#### ARTICLE I

**BASIC SERVICES:** FNI shall render the following professional services in connection with the development of the project:

##### **A. TASK 1 – PROJECT ADMINISTRATION**

1. Project Management: During this phase, FNI will develop project management and administration documents needed for project execution that will include project set-up, project schedule, QA/QC plan, file systems and will conduct meetings with the design team.

##### **B. TASK 2 – DATA COLLECTION AND COORDINATION**

1. Data Collection: FNI will coordinate with CLIENT to obtain the relevant available information from OWNER that will be used to assist with the assessment. Data required from the OWNER for the resiliency assessment of this project may include, but not be limited to, the following:
  - a. All relevant County record drawings, GIS shapefiles, survey or any other applicable OWNER's records.
2. Anticipated meetings include:
  - a. Kick-Off Meeting
  - b. Meeting with CLIENT to discuss inundation level findings
  - c. Meeting with CLIENT/OWNER to discuss draft inundation memorandum

**C. TASK 3 – INUNDATION MEMORANDUM**

FNI will perform a desktop level analysis to assess the effects of SLR. The assessment will consider potential relative local sea-level rise and increased storm risk during the expected life of the coastal structure or 50 years, whichever is less, and, to the extent possible, account for the contribution of sea-level rise versus land subsidence to the relative local sea-level rise. FNI will utilize the SLR scenarios set forth by the Tampa Bay Climate Science Advisory Panel as updated and the latest Digital Elevation Map (DEM) available from the County. The following items will be assessed:

1. Climate Science:
  - a. Sea level rise estimates
  - b. Sea level rise scenario selection
  - c. Sea level rise inundation mapping
2. Vulnerability Assessment:
  - a. Exposure: degree to which an asset is unprotected or left in a vulnerable state (e.g., depth of flooding due to SLR)
  - b. Sensitivity: degree to which an asset is impacted (e.g., temporary flooding causes minimal impact or results in complete loss of asset or shut-down)
  - c. Adaptive Capacity: ability of an asset to adjust to climate change, to moderate potential damages, to take advantage of opportunities, or cope with the consequences
3. Risk Assessment:
  - a. Evaluate consequences to help set priorities for adaptation planning (i.e., cost of reconstruction or repair, economic impact of disruption, length of disruption, irreversibility of impact)
4. Adaptation Measures: Identify, prioritize, and incorporate means to reduce, mitigate, or protect from unacceptable risks.
  - a. Identify adaptation strategies and approaches to protect assets and increase adaptive capacity
  - b. Prioritize strategies based on risk levels, sequence of expected impacts, and adaptive capacity
  - c. Timing of strategies: when do they need to be implemented

Deliverable will be:

- Completion of the *Pinellas County Sea Level Rise Checklist Updated 09/23/2019 v.11* for submittal to Pinellas County
- Inundation memorandum (Draft)
- Inundation memorandum (Final)

FNI will meet with the CLIENT to discuss inundation findings and discuss possible resilience options to be incorporated into the overall design of the facility. As this is a complete rehabilitation of an existing facility adaptive capacity of the facility will be considered, that is if the facility can be adapted today for the most likely SLR, with the ability to be adapted again in the future easily in future decades based on actual SLR

the recommendation will include positioning the facility to add future adaptation strategies should they be needed.

#### TIME OF COMPLETION

From the time the Notice to Proceed (NTP) is provided, FNI will start the project to meet the OWNER's requirements. The following anticipated milestones will take place:

1. Within 5 working days of receiving NTP, conduct a Kick-off Meeting with FNI, CLIENT and the OWNER. During this meeting, responsibilities, scope, schedule, and lines of communication will be discussed. Discussions will also include data to be provided by the OWNER for the assessment. FNI will provide meeting minutes.
2. Within 20 working days of the Kick-off Meeting, FNI will conduct virtual progress meeting number 1 with the CLIENT to review and discuss the draft inundation memorandum and agree on minor updates prior to submission to OWNER (by the CLIENT).
3. Within 15 working days of virtual progress meeting number 1, FNI will conduct virtual progress meeting number 2 to review the inundation memorandum with the CLIENT and the OWNER to review the draft inundation memorandum.
4. Within 15 working days of virtual progress meeting number 2, FNI will deliver the final inundation memorandum to the CLIENT and the OWNER.

#### COMPENSATION

FNI will be compensated for the scope of services outlined above on a lump sum basis. The work will be performed for a not-to-exceed or lump sum fee of ten thousand one hundred and twenty-nine dollars and eighty cents (\$10,129.80) based on the following estimated level of effort:

A detailed breakdown of the compensation for the scope of services is provided in Exhibit A.

<b>Task</b>	<b>Task Name</b>	<b>Amount</b>
1	Project Management	\$984.00
2	Coordination/Meetings	\$2,128.00
3	Inundation Memorandum	\$7,017.80
	<b>Total</b>	\$10,129.80



## **ARTICLE II**

**ADDITIONAL SERVICES:** Any services performed by FNI that are not included in the Basic Services described above are Additional Services. Additional Services to be performed by FNI, if authorized by County, are described as follows:

1. Field surveying required for the preparation of designs and drawings. It is assumed that “as constructed” drawings for the GB BS, completed by others, will be sufficient to complete the climate vulnerability assessment. The survey scope that is required by others is to tie “as constructed” elevations in the drawings completed by others to the North American Vertical Datum of 1988 (NAVD88) datum.
2. Activities connected to Florida Statutes 161.551 including:
  - a. losing key gaps in compliance with the Peril of Flood statute
  - b. Identifying and developing an Adaptation Action Area
  - c. Identifying and developing updates to the Coastal Management Element in the comprehensive plan
  - d. Conducting a Vulnerability Assessment and Adaptation/Resiliency Plan for critical OWNER infrastructure
  - e. Coordinating similar plans at a regional level with neighboring coastal communities
3. Support planning for the protection from projected sea-level rise and flood event scenarios in accordance with Chapter 163.3178(2)(f)1, F.S., Peril of Flood in pursuit of Resiliency Planning Grant Priority Areas.
4. Vulnerability assessment and adaptation plan for the for sea-level rise scenarios using existing publicly available data. Development of sea-level rise scenarios coupled with possible extreme flood levels (e.g., Category 3 hurricane flood + intermediate sea level rise (SLR) [2075]).
5. Planning-level document to assess the vulnerability and impacts to existing components to flooding and storm surge with multiple projected sea-level rise scenarios.
6. GIS analysis to model and quantify vulnerability to sea-level rise scenarios with flood events. This analysis forms the basis for adoption of policies with prioritized actions to reduce and mitigate associated flood risk.
7. EPA's "Adaptation Strategy Guide for Water Utilities" as a guideline for the evaluation.
8. Evaluate for vulnerability to flooding/storm surge based on the survey referenced to the NAVD88 with existing and projected MHHW elevations.
9. Assess the vulnerability of equipment/structures essential for facility operation.
10. Field layouts or the furnishing of construction line and grade surveys.
11. Making property, boundary and right-of-way surveys, preparation of easement and deed descriptions, including title search and examination of deed records in excess of those listed in basic services.
12. Providing services to investigate existing conditions or facilities, or to make measured drawings thereof, or to verify the accuracy of drawings.
13. Services not specifically detailed in the scope of services detailed above are not included in this contract. Should the OWNER wish for additional services to be provided they can be provided via an amendment to the base contract adjusting scope, schedule, and fee to the same.

**Wright-Pierce**  
**Pinellas County Gulf Beach Booster Station Improvements**  
**11/5/2021**  
**Detailed Cost Breakdown**

Tasks				Labor					Total Hours	Total Labor Effort
Phase	Task	Basic or Special	Task Description	Craig Wells	Tom Cross	Andrea Whalen	Trooper Smith	Stephanie Kirchstein		
				Professional 6 Technical Lead	Professional 5 Project Manager	Professional 2 Project Engineer	Senior Advisor Project QC	Corporate Project Support 3		
				\$240	\$209	\$137	\$175	\$148		
1			<b>Project Management</b>							
	1.1		Weekly Activities		4			1	5	\$ - \$ 984
2			<b>Coordination/Meetings</b>							\$ - \$ -
	2.1		Data Collection	1		4			5	\$ 788
	2.2a		Meeting - Kick-off	1	1	1			3	\$ 586
	2.2b		Meeting - WP	1		1			2	\$ 377
	2.2c		Meeting - Client	1		1			2	\$ 377
3			<b>Inundation Memorandum</b>							\$ - \$ -
	3.0		Data Review	1	1	8			10	\$ 1,545
	3.1		Climate Science	1		2			3	\$ 514
	3.2		Vulnerability Assessment	1		2			3	\$ 514
	3.3		Risk Assessment	1		2			3	\$ 514
	3.4		Adaptation Measures	1		2			3	\$ 514
	3.5		Pinellas Co SLR Checklist	1		2	1		4	\$ 689
	3.6		Draft Inundation Memo	1	1	4	1		7	\$ 1,172
	3.7		Final Inundation Memo	1	1	4	1		7	\$ 1,172
	3.8		Submittal		1		1		2	\$ 384
										\$ -
<b>Total Hours / Quantity</b>				<b>12</b>	<b>9</b>	<b>33</b>	<b>4</b>	<b>1</b>	<b>59</b>	
<b>Total Effort</b>				<b>\$ 2,880</b>	<b>\$ 1,881</b>	<b>\$ 4,521</b>	<b>\$ 700</b>	<b>\$ 148</b>		<b>\$ 10,130</b>

November 2, 2021

Mr. Chris Baggett, P.E.  
Wright-Pierce  
601 South Lake Destiny Road, Suite 290  
Maitland, FL 32751

email: [christopher.baggett@wright-pierce.com](mailto:christopher.baggett@wright-pierce.com)  
Phone: 407.720.5395 (813-313-9664)

**RE: Proposal for Environmental Services: Cursory Biological Assessment  
Pinellas County Gulf Beach Booster Station Improvements (RFP No 21-0610-NC9SS)**

Mr. Baggett,

**MICHAEL G. CZERWINSKI, P.A., ENVIRONMENTAL CONSULTANTS** is pleased to provide you with this cost proposal to provide environmental services for the proposed improvements at the **Pinellas County Gulf Beach Booster Station Improvements (RFP No 21-0610-NC9SS)**. Based on our discussions, it is our understanding that no work will be done outside of the complex. Therefore, we propose to do a rapid/cursory field inspection with a brief memo report to document any listed species presence and address correcting measures such as avoidance or mitigation / relocation if necessary. The scope and cost is provided below.

**Task 1. Cursory Biological Assessment**

Conduct cursory biologic assessment to meet ERP permitting requirements. **Michael G. Czerwinski, P.A., Environmental Consultants (MGC)** will conduct a cursory environmental/ biological assessment of the area for listed species involvement or presence. This will include providing GIS maps of known eagles nests and other listed species presence based upon existing readily available data, We will conduct a gopher tortoise burrow survey on the project assessment area as well as a cursory Osprey and Bald Eagle nest survey of the project area and closely adjacent areas. Gopher tortoise burrows encountered during the site visit will be assessed for activity status (active, inactive or abandoned) and location/position recorded using a hand-held GPS device. Each active or inactive burrow entrance will be marked in the field by a lathe stake and flagging to assist in location identification. Similarly, construction related disturbances to confirmed bald eagles nests within 650 feet of the project area will need to be address in accordance with USFWS and FFWCC guidelines. Biologist will note habitats within the project assessment area and provide observations of any other potential listed species encountered along the route. A biological assessment report with appropriate maps, suitable for use as a permitting supplement will be provided to document results.

**Task 1 Estimated probable cost** **\$1,260.00**

The tasks described above will be performed one time only. Additional tasks, such as verbal presentation of results or meetings other than those specified in the above scope will be on an as-needed basis. Barring any unforeseen circumstances, as well as favorable weather conditions, we can complete Tasks within 30 days of your formal authorization to proceed. We appreciate the opportunity to provide you with this proposal for environmental services and look forward to working with you. Please, do not hesitate to call if you have any questions. By signing below you are agreeing to the attached terms and conditions.  
Sincerely,

**MICHAEL G. CZERWINSKI, P.A., ENVIRONMENTAL CONSULTANTS**

Authorization & Title: \_\_\_\_\_

*Michael G. Czerwinski*

Date: \_\_\_\_\_

Michael G. Czerwinski, P.G., P.W.S.  
President, Senior Scientist

2716 S. Lecanto Highway, Lecanto, Florida 34461

 Phone (352) 249-1012 ♦ Fax (352) 249-1013 ♦ E mail: [mczerwinski@mgcenvironmental.com](mailto:mczerwinski@mgcenvironmental.com)

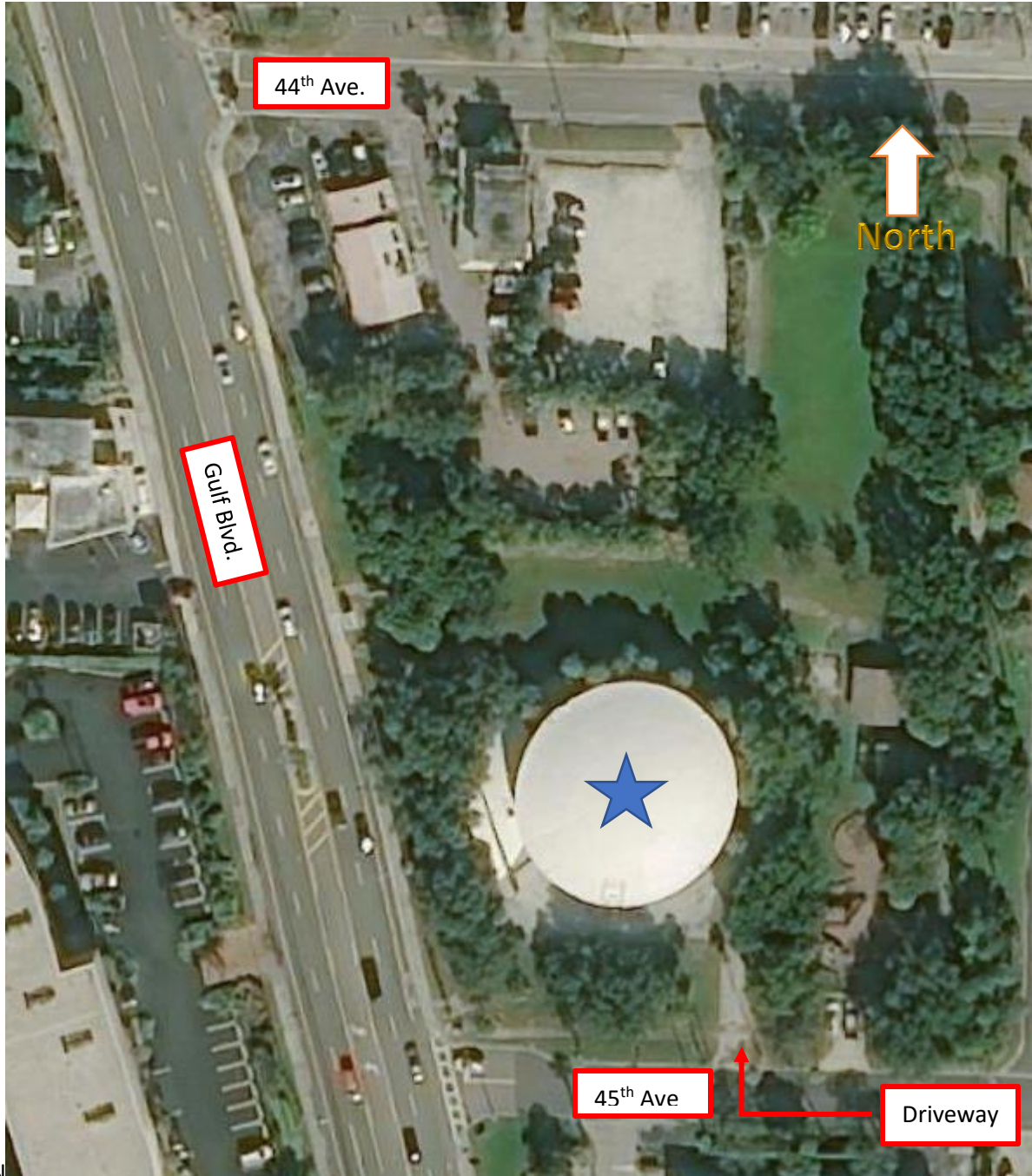
**SUBJECT SITE**  
**Pinellas County Gulf Beach Booster Station Improvements (RFP No 21-0610-NC9SS)**  
**November 2, 2021**



2716 S. Lecanto Highway, Lecanto, Florida 34461  
Phone (352) 249-1012 ♦ Fax (352) 249-1013 ♦ E mail: [mczerwinski@mgcenvironmental.com](mailto:mczerwinski@mgcenvironmental.com)

LOCATION MAP FOR: GULF BEACH WATER BOOSTER STATION





**GULF BEACH WATER BOOSTER STATION**

4501 Gulf Blvd, St. Petersburg Beach, FL

**ESTIMATED HOURS AND FEE FOR  
GULF BEACH WATER BOOSTER STATION IMPROVEMENTS  
PREPARED FOR: PINELLAS COUNTY UTILITIES  
PREPARED BY: WRIGHT-PIERCE**

TASK DESCRIPTIONS	PIC	PM	PROCESS/CIVIL				ARCHITECH			STRUCTURAL		HVAC/PLUMBING		ELECTRICAL / I&C		CADD		ADMIN	HRS	Total Hours	Labor	FEES					TOTAL FEE			
			Principle Engineer	Sr. Project Manager	QA/QC Engineer	Lead Project Engineer	Project Engineer	Engineer in Training	QA/QC Engineer	Sr. Architect	Architect	QA/QC Engineer	Lead Project Engineer	QA/QC Engineer	Project Engineer	QA/QC Engineer	Senior Engineer					CADD Designer	CADD Tech	Admin. Assistant	Survey/SUE	Geotechnical		Sea Level Rise	Environmental	Total
			S. Hallowell	C. Baggett	B. Young	S. Mansour	B. Yokum	L. Neal	R. Williams	D. Harazim	E. Shield	M. Cunningham	J. Powell	R. Green	E. Cariman	A. D'Amelio	C. Conway					C. Hinkley	K. Nieves	Various	(ECHO)	(Madrid)		(Freese & Nichols)	(Environmental Consultants)	
CONTRACT BILLING RATE----->	\$250.00	\$215.00	\$225.00	\$175.00	\$150.00	\$105.00	\$225.00	\$180.00	\$145.00	\$225.00	\$175.00	\$225.00	\$150.00	\$225.00	\$180.00	\$125.00	\$100.00	\$85.00	HOURS											
<b>1 Project Management and Kickoff Meeting</b>	<b>1</b>	<b>30</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>10</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>90</b>	<b>\$ 15,195.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,195.00</b>				
A. Project Management	1	26	0	6	6	6	0	6	0	0	6	0	6	0	6	0	0	9	78	\$ 13,295.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,295.00				
B. Kickoff Meeting (Teams Enabled)		4				4		1			1				1			1	12	\$ 1,900.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,900.00				
<b>2 Preliminary Engineering</b>	<b>2</b>	<b>85</b>	<b>8</b>	<b>152</b>	<b>94</b>	<b>254</b>	<b>8</b>	<b>50</b>	<b>101</b>	<b>19</b>	<b>117</b>	<b>2</b>	<b>26</b>	<b>9</b>	<b>117</b>	<b>60</b>	<b>50</b>	<b>68</b>	<b>1,222</b>	<b>\$ 183,855.00</b>	<b>\$ 31,528.00</b>	<b>\$ 7,749.50</b>	<b>\$ 10,129.80</b>	<b>\$ 1,260.00</b>	<b>\$ 50,667.30</b>	<b>\$ 234,522.30</b>				
2.1 Topographic Survey, SUE, and 3D Scan	0	1	0	0	0	2	0	0	0	0	0	0	0	0	8	0	1	12	\$ 1,510.00	\$ 31,528.00	\$ -	\$ -	\$ -	\$ -	\$ 33,038.00					
2.2 Geotechnical Engineering	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	4	\$ 510.00	\$ -	\$ 7,749.50	\$ -	\$ -	\$ 8,259.50					
2.3 Pre-renovation Asbestos Survey and Lead Based Paint Screening	0	1	0	0	8	16	0	0	0	0	0	0	0	0	0	0	0	1	26	\$ 3,180.00	\$ -	\$ -	\$ -	\$ -	\$ 3,180.00					
2.4 Sea Level Rise Assessment	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	4	\$ 510.00	\$ -	\$ -	\$ 10,129.80	\$ -	\$ 10,639.80					
2.5 Data Collection and Review and Field Visits	0	16	0	2	16	28	0	0	0	0	0	0	0	16	0	0	0	7	78	\$ 12,010.00	\$ -	\$ -	\$ -	\$ -	\$ 12,010.00					
2.6 Hydraulic and Water Quality Design Criteria Development	0	24	2	120	16	32	0	0	0	0	0	0	0	0	0	0	0	2	196	\$ 32,540.00	\$ -	\$ -	\$ -	\$ -	\$ 32,540.00					
2.7 Pump Station Building Evaluations	0	2	0	0	0	6	37	75	16	90	0	0	0	0	0	26	2	254	\$ 41,435.00	\$ -	\$ -	\$ -	\$ -	\$ 41,435.00						
2.8 Component Evaluations	0	15	3	4	24	64	0	0	0	1	16	4	48	40	24	0	0	243	\$ 34,485.00	\$ -	\$ -	\$ -	\$ -	\$ 34,485.00						
2.9 Preliminary Opinion of Probable Construction Costs	0	2	1	4	16	1	3	8	1	12	0	4	1	12	0	0	0	65	\$ 10,170.00	\$ -	\$ -	\$ -	\$ -	\$ 10,170.00						
2.10 Preliminary Engineering Report	2	16	2	24	24	84	1	7	15	2	12	1	6	4	38	12	0	56	\$ 42,345.00	\$ -	\$ -	\$ 1,260.00	\$ -	\$ 43,605.00						
2.11 4 Review Meetings (Teams Enabled, 1-hr/Meeting, Includes Agenda and Meeting Summary)		6		2	2	8		3	3		3			3				34	\$ 5,160.00	\$ -	\$ -	\$ -	\$ -	\$ 5,160.00						
<b>TOTALS</b>	<b>3</b>	<b>115</b>	<b>8</b>	<b>158</b>	<b>100</b>	<b>264</b>	<b>8</b>	<b>57</b>	<b>101</b>	<b>19</b>	<b>124</b>	<b>2</b>	<b>32</b>	<b>9</b>	<b>124</b>	<b>60</b>	<b>50</b>	<b>78</b>	<b>1,312</b>	<b>\$ 199,050.00</b>	<b>\$ 31,528.00</b>	<b>\$ 7,749.50</b>	<b>\$ 10,129.80</b>	<b>\$ 1,260.00</b>	<b>\$ 50,667.30</b>	<b>\$ 249,717.30</b>				

September 23, 2021

Ms. Pamela Ulrich  
Procurement Analyst  
400 South Ft. Harrison  
Clearwater, FL 33756

**SUBJECT: Gulf Beach Water Booster Station Improvements Professional Engineering Services**  
**Contract No. 21-0610-NC (SS)**  
**Schedule of Rate Values**

Dear Ms. Ulrich,

We appreciate the opportunity to be selected by the Evaluation Committee to partner with the Pinellas County on this project. As requested in your email on Thursday, September 16, 2021, please find attached to this letter, a table with our adjusted Schedule of Rate Values for Wright-Pierce and our subconsultants.

If there are any questions, please do not hesitate to contact us.

Sincerely,

**WRIGHT-PIERCE**



Steven C. Hallowell, PE  
Vice President

[steve.hallowell@wright-pierce.com](mailto:steve.hallowell@wright-pierce.com)

Enclosures

Cc: Chris Baggett, PE, Senior Project Manager, Wright-Pierce





**Consultant Rates:  
Wright-Pierce, Inc.**

# Schedule of Rate Values

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**Date:** September 22, 2021

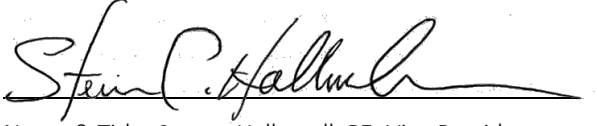
**Reference:** Gulf Beach Water Booster Station Improvements Professional Engineering Services

**Contract No.:** 21-0610-NC (SS)

Classification	Rate/hour
Principal Engineer	\$250
Client Service Manager	\$230
Senior Project Manager	\$225
Project Manager	\$185
Senior Technical Engineer	\$240
QA/QC Engineer	\$225
Senior Engineer	\$180
Lead Project Engineer	\$175
Project Engineer	\$150
Engineer	\$120
Engineer-in-Training (EIT)	\$105
Senior Architect	\$180
Architect	\$145
Senior CADD Designer	\$140
CADD Designer	\$125
CADD Technician	\$100
GIS Analyst	\$130
GIS Technician	\$110
Resident Project Representative	\$110
Field Service Technician	\$100
Senior Administrative Assistant	\$100
Administrative Assistant	\$85
Clerical	\$75
Intern	\$75

The above billing rates are fully loaded (burdened) rates shall remain fixed for the initial contract term. The above rates include all labor, direct/indirect overhead, margins/profit, salary escalations, customary expenses such as copies, postage, etc., and

travel within the Tampa Bay Metropolitan Statistical Area. Travel expenses outside of the Tampa Bay Metropolitan Statistical Areas shall be reimbursed in accordance with Florida Statutes.



Name & Title: Steven Hallowell, PE, Vice President

9/23/2021

Date



**Subconsultant Rates:  
Madrid CPWG**

# ***Madrid CPWG - Geo Sciences Group***

2030 State Road 60 East Bartow, Florida 33830

863-533-9007 Fax 863-533-8997

## **STANDARD FEE SCHEDULE FOR PROFESSIONAL SERVICES**

<b><u>STANDARD PERSONNEL RATES</u></b>	<b><u>HOURLY BILLING RATE</u></b>
Principal	\$215.00
Chief Engineer	\$195.00
Chief Geologist	\$185.00
Senior Project Engineer	\$165.00
Senior Engineer	\$160.00
Senior Geologist	\$150.00
CEI Services Manager	\$140.00
Landscape Architect, RLA	\$135.00
Project Manager	\$135.00
Arborist ISA Certified	\$125.00
Project Engineer	\$125.00
Drilling Services Manager	\$115.00
QC Manager	\$115.00
Staff Engineer	\$110.00
Landscape Designer	\$105.00
Staff / Field Geologist	\$100.00
Assistant Engineer	\$95.00
Ecologist	\$95.00
GIS Analyst, GISP	\$95.00
Irrigation Designer	\$95.00
Laboratory Manager	\$95.00
Assistant Geologist	\$85.00
Senior Field / Lab Technician	\$78.00
GIS/CADD Designer	\$75.00
Field Inspector	\$70.00
CADD Operator	\$65.00
Administrative Assistant	\$65.00
Field Technician / Lab Technician	\$58.00
Technician	\$53.00
Clerical	\$55.00
Intern	\$47.00

<b><u>EXPERT TESTIMONY AND DEPOSITIONS</u></b>	<b><u>HOURLY LING RATE</u></b>
Senior Professional Staff	\$310.00
Project Manager	\$230.00
Administrative Staff	\$95.00
Deposition Preparation (Senior Professional Staff)	\$260.00
Attorney Fees (if represented by MEG legal counsel)	\$475.00

<b><u>EXPENSES</u></b>	<b><u>RATES</u></b>
Vehicle Use	\$120 /day
Plotting 24 x 36 B&W	\$12.00 /pg
Plotting 24 x 36 Color	\$15.00 /pg
External Expenses (job chargeable items)	Cost + 10%
Subcontractors	Cost + 15%

### NOTES:

(1) Rates are fully loaded (burdened and include all labor, direct/indirect overhead, margins/profit, customary expenses (copies, postage, etc.) and travel within the Tampa Bay Metropolitan Area.

(2) Travel outside of the Tampa Bay Metropolitan Area will be charged in accordance current Florida Statutes.



**Subconsultant Rates:  
MCG Environmental Consultants**

Professional Rates

<u>Title</u>	<u>Hourly Rate</u>
Senior Scientist, Principal	\$120.00
Environmental Scientist III / Project Manager	\$80.00-\$90.00
Environmental Scientist II	\$70.00-\$80.00
Environmental Scientist I	\$65.00
Environmental Tech	\$45.00
Clerical	\$40.00
Expert Witness Testimony	\$240.00
Manatee Observer	\$75.00 (\$500 / day)

**Reimbursable expenses:**

	<u>Cost</u>	<u>Unit</u>	<u>Cost</u>	<u>Unit</u>
ATV (daily rate)	\$150.00	daily	\$500	weekly
Pickup Truck 4WD	\$21.00/ hr.	daily	\$840	weekly
21 ft. Flats Boat	\$500.00	daily	\$2000	weekly
12 ft. Jon Boat & Electric Motor	\$200.00	daily	\$1000	weekly
Water Sampling Equipment (per item) (Kemmerer, Eckman Dredge, plankton net, seine, secchi disk)	\$50.00	daily	\$250	weekly
Multi-meter (D.O., temp, pH Cond.)	\$125.00	daily	\$1200	Monthly
Turbidity Monitor	\$100.00	daily	\$1000	Monthly
Soil Hand Auger	\$75.00	daily		
Wooden Lathes	\$50.00	bundle (50)		
Caution Tape	\$20.00	roll		
Silt Screen (w/ stakes)	\$45.00	roll (100 ft.)		
Landscape "Snow" mesh fence	\$100.00	roll (100 ft.)		
Flagging	\$12.00	roll		
Bucket Traps (Tortoise, skink)	\$25.00	one time/ per trap		
Shermans Live Traps	\$30.00	one time /per trap		
Kestrel Artificial Nest Box (Cypress) (does not include pole and installation)	\$95.00	one		
Staff Gage (does not include post and installation)	\$85.00	3.3 ft section		
B&W Copies	\$0.15	page		
Color Copies	\$0.30	page		

(1) Rates are fully loaded (burdened and include all labor, direct/ indirect Overhead, margins/profit, customary expenses (copies, postage, etc.) and travel within the Tampa Bay Metropolitan Area.  
 (2) Travel outside of the Tampa Bay Metropolitan Area will be charged in accordance current Florida Statutes.



**Subconsultant Rates:  
ECHO UES, Inc.**



**Date:** September 21, 2021

**Reference:** Gulf Beach Water Booster Station Improvements - 21-0610-NC (SS)

<b>Schedule of Rate Values</b>	
<b>Job Classification</b>	<b>Fully Loaded Hourly Rate</b>
Project Manager	\$181.00
Senior Surveyor	\$172.00
Project Surveyor	\$126.00
Survey/SUE/CADD Technician	\$90.00
SUE Field Crew Supervisor	\$130.00
SUE Technician 3	\$65.00
SUE Technician 1	\$41.00
Survey Party Chief	\$77.00
Survey Technician 3	\$61.00
Survey Technician 1	\$40.00
SUE Designating/Locating Crew (2-Person)	\$176.00
SUE Designating/Locating Crew (3-Person)	\$212.00
Survey Crew (3-Person)	\$178.00
Survey Crew (4-Person)	\$218.00

The above billing rates are fully loaded (burdened) rates that shall remain fixed for the duration of the contract. The above rates include all labor, direct/indirect overhead, margins/profit, salary escalations, customary expenses such as copies, postage, etc., and travel within the Tampa Bay Metropolitan Statistical Area. Travel expenses outside of the Tampa Bay Metropolitan Statistical Area shall be reimbursed in accordance with Florida Statutes.

\_\_\_\_\_  
 Jeraldo Comellas, Jr., PE  
 President

09/21/2021

Date





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/23/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> <b>Ames &amp; Gough</b> <b>859 Willard Street</b> <b>Suite 320</b> <b>Quincy, MA 02169</b>	<b>CONTACT NAME:</b> <b>PHONE (A/C, No, Ext): (617) 328-6555</b>	<b>FAX (A/C, No): (617) 328-6888</b>
	<b>E-MAIL ADDRESS: boston@amesgough.com</b>	
<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
<b>INSURER A : Berkshire Hathaway Specialty Insurance Company</b>		<b>22276</b>
<b>INSURED</b>  <b>Wright-Pierce</b> <b>11 Bowdoin Mill Island</b> <b>Suite 140</b> <b>Topsham, ME 04086</b>	<b>INSURER B :</b>	
	<b>INSURER C :</b>	
	<b>INSURER D :</b>	
	<b>INSURER E :</b>	
	<b>INSURER F :</b>	
	<b>INSURER G :</b>	

### COVERAGES

### CERTIFICATE NUMBER:

### REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$	
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$	
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$	
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y / N If yes, describe under DESCRIPTION OF OPERATIONS below		N / A				PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$	
<b>A</b>	<b>Professional Liab.</b>			<b>47EPP31360302</b>	<b>1/1/2022</b>	<b>1/1/2023</b>	<b>Per Claim Limit</b>	<b>5,000,000</b>
<b>A</b>	<b>&amp; Pollution</b>			<b>47EPP31360302</b>	<b>1/1/2022</b>	<b>1/1/2023</b>	<b>Aggregate Limit</b>	<b>5,000,000</b>

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
All Coverages are in accordance with the policy terms and conditions.

### Evidence of Insurance

### CERTIFICATE HOLDER

### CANCELLATION

<b>Pinellas County</b> <b>400 S. Fort Harrison Avenue, 6th Floor</b> <b>Clearwater, FL 33756</b>	<b>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</b>
	<b>AUTHORIZED REPRESENTATIVE</b> <i>Jared Maxwell</i>