

**PROFESSIONAL SERVICE AGREEMENT FOR ENGINEERING SERVICES FOR
THE EAST REGIONAL WASTEWATER TREATMENT FACILITY**

THIS PROFESSIONAL SERVICE AGREEMENT (the “Agreement”) is entered into as of the Effective Date (defined in Section 1, below) by and between Polk County (the “County”), a political subdivision of the State of Florida, situated at 330 West Church Street, Bartow, Florida 33830, and Carollo Engineers, Inc. (the “Consultant”) a Delaware corporation, located at 2795 Mitchell Drive, Walnut Creek, California 94598 and whose Federal Employer Identification Number is 86-0899222.

WHEREAS, the County requires certain professional services in connection with the East Regional Water Production and Wastewater Treatment Facilities; and

WHEREAS, the County has solicited for these services via RFP 24-551, an advertised request for proposals (the “RFP”), and has received numerous responsive proposals thereto; and

WHEREAS, pursuant to the RFP, the County has selected the Consultant, and the Consultant remains agreeable to providing the County the professional services described herein, and the Consultant represents that it is capable and prepared to do so according to the terms and conditions stated herein.

NOW, THEREFORE, in consideration of the mutual understandings and covenants set forth herein, the parties hereby agree, as follows:

1.0 Effective Date; Term

1.1 This Agreement shall take effect on the date (the “Effective Date”) of its execution by the County.

1.2 The term of this Agreement shall be for three (3) years or upon completion of the Services to the County’s satisfaction, whichever is sooner commencing upon the Effective Date, unless otherwise sooner terminated as provided herein. A timeline will be established for each Part (as defined in Section 2.2). The timeline for Part 1 Services is included in the Scope of Services attached hereto and incorporated herein as Exhibit “A-iii”, and a timeline for each subsequent Part will be included in an amendment to this Agreement.

2.0 Consultant Services

2.1 The County does hereby retain the Consultant to furnish those services and to perform those tasks (collectively, the “Services”) further described in (i) the County’s Request

for Proposal RFP # 24-551, to include all attachments and addenda, (ii) the Consultant's responsive proposal thereto, and (iii) the Scope of Services (collectively, (i) (ii), and (iii) are "RFP 24-551"), all of which are incorporated into this Agreement by this reference, attached as a composite Exhibit "A" and made a part of this Agreement.

2.2 At its option, the County may choose to modify, add or delete any Services included within the parts as set forth and described in the Consultant's Project Approach portion of the RFP (collectively, the "Parts"), contained in Exhibit "A", by duly executing a written amendment(s) to this Agreement.

2.3 By execution of this Agreement, the County hereby engages the Consultant to perform the Part 1 Services as outlined in Exhibit "A-iii."

3.0 Compensation

3.1 General

3.1.1 In consideration for its providing Part 1 Services, the County shall pay the Consultant the not to exceed amount of \$490,426.00 stated in Exhibit "A-iii" Compensation, which is attached hereto and made a part of this Agreement.

3.1.2 The Consultant shall invoice the County based upon the Consultant's fees that are stated on the attached Exhibit "B", "Fee Schedule", which is made a part of this Agreement. The Fee Schedule identifies all Consultant job classifications which will perform billable services pursuant to this Agreement and the fee for each job classification, along with all equipment, materials, and supplies necessary in the performance of the Services. The County shall not be obligated to pay the Consultant (i) for any Services performed by individuals whose job classifications are not listed on the Fee Schedule, and (ii) for the cost of any equipment, material, or supplies not listed on the Fee Schedule that the Consultant may use in performing the Services.

3.1.3 Also, the County and the Consultant shall negotiate not to exceed amount(s) for services to be performed under future parts and base such amount(s) on the Consultant's hourly rate schedule set for in Exhibit "B."

3.1.4 At its option the County may choose to engage the Consultant to perform additional, related consulting services beyond the scope of the Services for which the County shall pay the Consultant in accordance with the hourly rate schedules stated in the attached Exhibit "B."

3.1.5 All the Consultant's invoices for payment must reference this Agreement and must be submitted using a form approved by the County Auditor.

3.1.6 Each invoice shall be due and payable forty-five (45) days after the date the County receives a correct, fully documented, invoice, in form and substance satisfactory to the County with all appropriate cost substantiations attached. All invoices shall be delivered to:

Polk County Utilities
1011 Jim Keene Blvd
Winter Haven, FL 33880

3.1.7 The Consultant will clearly state "Final Invoice" on the Consultant's final/last billing for the Services rendered to the County. The Consultant's submission of a Final Invoice is its certification that all Services have been properly performed, and all charges and costs have been invoiced to the County. This account will be closed upon the County's receipt of a Final Invoice. The Consultant hereby waives any charges not properly included on its Final Invoice.

3.1.8 The County's payment of a Final Invoice shall not constitute evidence of the County's acceptance of the Consultant's performance of the Services or its acceptance of any of the Consultant's Project work.

3.1.9 All Consultant invoices shall be accompanied by time and task records for all billable hours appearing on the invoice. After examining an invoice, the County may request that the Consultant submit additional documents to support certain fees or charges. Upon receipt of any such request the Consultant shall provide the requested documents or other required information to the County Auditor's satisfaction.

3.1.10 On each invoice submitted, the Consultant's Project Manager or designated payroll officer is attesting to the correctness and accuracy of all fees, time charges and requested reimbursements for which the Consultant seeks payment.

3.1.11 The County's review, approval, acceptance, or payment for any of the Consultant's Services shall not be construed to: (i) operate as a waiver of any rights the County possesses under this Agreement; or (ii) waive or release any claim or cause of action arising out of the Consultant's performance or nonperformance of this Agreement. The Consultant shall be and will always remain liable to the County in accordance with applicable law for any and all damages to the County caused by the Consultant's negligent or wrongful performance or nonperformance of any of the Services to be furnished under this Agreement.

3.2 Reimbursable Expenses

3.2.1 All requests for payment of out-of-pocket expenses eligible for reimbursement under the terms of this Agreement shall be reimbursed per the negotiated Scope of Work (Exhibit “A-iii”) and in accordance with the County’s Reimbursable Schedule that is attached hereto as Exhibit “C” and made a part of this Agreement. The Consultant’s requests for payment shall include copies of paid receipts, invoices or other documentation acceptable to the County’s Auditor. Such documentation shall be sufficient to establish that the expense was actually incurred and necessary in the performance of the Services described in this Agreement.

3.2.2 Reimbursable Expenses are the actual, pre-approved, expenses the Consultant incurred directly in connection with the performance of the Services performed in accordance with this Agreement:

Sub-Consultant
Special Consultants

3.2.3 Mileage and associated travel costs shall be reimbursed in accordance with F.S. 112.061 and County policy for pre-approved out-of-county travel (excluding travel from home offices located outside of Polk County to the Polk County line).

3.2.4 All assets, i.e. durable goods, purchased as reimbursable expenses become the property of the County upon completion of any Project work for which the asset was utilized. All such assets must be surrendered by delivery to the applicable County Division responsible for the Project immediately upon (i) demand, (ii) termination of the Agreement, or (iii) the conclusion of the applicable Project, whichever occurs first.

3.2.5 Consultant shall maintain a current inventory of all such assets.

4.0 Consultant's Responsibilities

4.1 The Consultant shall exercise the same degree of care, skill, and diligence in the performance of the Services as provided by a professional of like experience, knowledge and resources, under similar circumstances.

4.2 The County’s review, approval, acceptance, or payment for any of the Consultant's Services shall not be construed to: (i) operate as a waiver of any rights the County possesses under this Agreement; or (ii) waive or release any claim or cause of action arising out of the Consultant’s performance or nonperformance of this Agreement. The Consultant shall be and will always remain liable to the County in accordance with applicable law for any and all

damages to the County caused by the Consultant's negligent or wrongful performance or nonperformance of any of the Services to be furnished under this Agreement.

5.0 Ownership of Documents

All analyses, reference data, bills, completed reports, or any other form of written instrument or document created or resulting from the Consultant's performance of the Services pursuant to this Agreement, subject to the cure period provided in Section 26.0, shall become the property of the County after payment is made to the Consultant for such instruments or documents.

6.0 Termination

6.1 The County may terminate this Agreement, in whole or in part, at any time, either for the County's convenience or because of the failure of the Consultant to fulfill its obligations under this Agreement, subject to the cure period provided in Section 26.0, by delivering written notice to the Consultant. Upon receipt of such notice, the Consultant shall:

6.1.1 Immediately discontinue all affected Services unless the notice directs otherwise, and

6.1.2 Deliver to the County all data, reports, summaries, and any and all such other information and materials of whatever type or nature as may have been accumulated by the Consultant in performing this Agreement, whether completed or in process.

6.2 Unless in dispute or subject to the County's right of set-off or other remedy, the Consultant shall be paid for Services actually rendered to the date of termination.

6.3 The rights and remedies of the County provided for in this Section 6 are in addition and supplemental to any and all other rights and remedies provided by law or under this Agreement.

7.0 No Contingent Fees

The Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for the Consultant, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from award of or making of the Agreement. For the breach or violation of this provision, the County shall have the right to terminate the Agreement at its sole discretion, without liability and to deduct from the Agreement price, or otherwise recover, the full amount of such fee, commission, percentage, gift, or

consideration.

8.0 Assignment

The Consultant shall not assign, transfer, or encumber this Agreement, or any interest herein, under any circumstances, without obtaining the prior written consent of the County, which consent may be withheld in the County's exercise of its reasonable discretion.

9.0 Professional Associates and Subcontractors

If the Consultant requires the assistance of any professional associates or subcontractors in connection with its providing the Services the Consultant must obtain the prior express written approval of the County, which the County may withhold in its discretion, before any such professional associate or subcontractor may perform any work for the County. If after obtaining the County's approval the Consultant utilizes any professional associates or subcontractors in the delivery of the Services, then the Consultant shall remain solely and fully liable to the County for the performance or nonperformance of all such professional associates and subcontractors. The failure of a professional associate or subcontractor to timely or properly perform any of its obligations to the Consultant shall not relieve the Consultant of its obligations to the County under this Agreement.

10.0 Indemnification of County

Consultant, to the extent permitted by law, shall indemnify, defend (by counsel reasonably acceptable to County) protect and hold the County, and its officers, employees and agents harmless from and against any and all, claims, actions, causes of action, liabilities, penalties, forfeitures, damages, losses, and expenses (including, without limitation, attorneys' fees costs and expenses incurred during negotiation, through litigation and all appeals therefrom) whatsoever including, but not limited, to those pertaining to the death of or injury to any person, or damage to any property, arising out of or resulting from (i) the failure of Consultant to comply with applicable laws, rules or regulations, (ii) the breach by Consultant of its obligations under this Agreement, (iii) any claim for trademark, patent or copyright infringement arising out of the scope of Consultant's performance or nonperformance of this Agreement, or (iv) the negligent acts, errors or omissions, or intentional or willful misconduct, of Consultant, its professional associates, subcontractors, agents, and employees provided, however, that Consultant shall not be obligated to defend or indemnify the County with respect to any such claims or damages arising out of the County's sole negligence.

11.0 Insurance Requirements

The Consultant shall maintain at all times the following minimum levels of insurance and shall, without in any way altering its liability, obtain, pay for and maintain insurance for the coverage and amounts of coverage not less than those set forth below. The Consultant shall provide the County original Certificates of Insurance satisfactory to the County to evidence such coverage before any work commences. The County shall be named as an additional insured on General and Automobile Liability policies. General Liability and Workers' Compensation policies shall contain a waiver of subrogation in favor of Polk County. The Commercial General Liability Policy shall (by endorsement if necessary) provide contractual liability coverage for the contractual indemnity stated in Section 10, above. All insurance coverage shall be written with a company having an A.M. Best rating of at least the "A" category and size category of VIII. The Consultant's self-insured retention or deductible per line of coverage shall not exceed \$25,000 without the permission of the County. In the event of any failure by the Consultant to comply with the provisions of this Section 11, the County may, at its option, upon notice to the Consultant suspend Consultant's performance of the Services for cause until there is full compliance. Alternatively, the County may purchase such insurance at the Consultant's expense, provided that the County shall have no obligation to do so and if the County shall do so, the Consultant shall not be relieved of or excused from the obligation to obtain and maintain such insurance amounts and coverage.

Comprehensive Automobile Liability Insurance. \$1,000,000.00 combined single limit of liability for bodily injuries, death and property damage resulting from any one occurrence, including all owned, hired, and non-owned vehicles.

Professional Liability. \$5,000,000 for errors and omissions, exclusive of defense costs.

Commercial General Liability. \$1,000,000.00 combined single limit of liability for bodily injuries, death and property damage, and personal injury resulting from any one occurrence, including the following coverages:

Premises and Operations:

Broad Form Commercial General Liability Endorsement to include Blanket Contractual liability (specifically covering, but not limited to, the contractual obligations assumed by the Firm); Personal Injury (with employment and contractual exclusions deleted); and Broad Form Property Damage coverage.

Independent Contractors:

Delete Exclusion relative to collapse, explosion and underground; Property Damage Hazards; Cross Liability Endorsement; and Contractual liability (specifically covering, but not limited to, the contractual obligations assumed by the Firm)

Workers Compensation. The Consultant shall provide, pay for, and maintain workers compensation insurance on all employees, its agents or subcontractors as required by Florida Statutes.

12.0 Public Entity Crimes

The Consultant declares and warrants that neither the Consultant nor any of the Consultant's affiliates, as that term is defined in Section 287.133, Florida Statutes, are subject to the restrictions in Section 287.133, Florida Statutes, regarding the commission of a public entity crime. If during the term of this Agreement, the Consultant or any affiliate is convicted of a public entity crime or is otherwise prohibited from performing work for or transacting business with the County pursuant to Section 287.133, Florida Statutes, then the Consultant shall be in material default of this Agreement, and in such case, the County shall have the rights and remedies as provided herein.

13.0 Non-Discrimination

The Consultant warrants and represents that all of its employees are treated equally during employment without regard to race, color, religion, gender, age or national origin.

14.0 Designation of Party Representatives

14.1 Upon receipt of a request from the Consultant, the County shall designate in writing one or more of its employees who are authorized to act by and on behalf of the County to transmit instructions, receive information and interpret and define the County's policy and decisions with respect to the Services to be provided pursuant to this Agreement.

14.2 The Consultant shall designate or appoint one or more Consultant representatives who are authorized to act on behalf of and to bind the Consultant regarding all matters involving the conduct of its performance pursuant to this Agreement.

15.0 All Prior Agreements Superseded

This document incorporates and includes all prior negotiations, correspondence, conversations, agreements or understandings applicable to the matters contained herein and the

parties agree that there are no commitments, agreements or understandings concerning the subject matter of this Agreement that are not contained in this document or its designated exhibits. Accordingly, it is agreed that no deviation from the terms hereof shall be predicated upon any prior representations or agreements, whether oral or written.

16.0 Modifications, Amendments or Alterations

No modification, amendment, or alteration in the terms or conditions contained herein shall be effective unless agreed to and executed in writing by both parties to this Agreement in a form acceptable to the County.

17.0 Independent Consultant

Nothing stated in this Agreement is intended or should be construed in any manner as creating or establishing a relationship of co-partners between the parties, or as constituting the Consultant (including its officers, employees, and agents) as the agent, representative, or employee of the County for any purpose, or in any manner, whatsoever. The Consultant is to be and shall remain forever an independent Consultant with respect to all Services performed under this Agreement. The Consultant shall not pledge the County's credit or make the County a guarantor of payment or surety for any contract, debt, obligation, judgment, lien or any form of indebtedness and the Consultant shall have no right to speak for or bind the County in any manner.

18.0 Public Records Law

(a) The Consultant acknowledges the County's obligations under Article I, Section 24, of the Florida Constitution and under Chapter 119, Florida Statutes, to release public records to members of the public upon request and comply in the handling of the materials created under this Agreement. The Consultant further acknowledges that the constitutional and statutory provisions control over the terms of this Agreement. In association with its performance pursuant to this Agreement, the Consultant shall not release or otherwise disclose the content of any documents or information that is specifically exempt from disclosure pursuant to all applicable laws.

(b) Without in any manner limiting the generality of the foregoing, to the extent applicable, the Consultant acknowledges its obligations to comply with Section 119.0701, Florida Statutes, with regard to public records, and shall:

(1) keep and maintain public records required by the County to perform the services required under this Agreement;

(2) upon request from the County's Custodian of Public Records or his/her designee, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law;

(3) ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the term of this Agreement and following completion of this Agreement if the Consultant does not

transfer the records to the County; and

(4) upon completion of this Agreement, transfer, at no cost, to the County all public records in possession of the Consultant or keep and maintain public records required by the County to perform the service. If the Consultant transfers all public records to the County upon completion of this Agreement, the Consultants shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Consultant keeps and maintains public records upon completion of this Agreement, the Consultant shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the County, upon request from the County's Custodian of Public Records, in a format that is compatible with the information technology systems of the County.

(c) IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE COUNTY'S CUSTODIAN OF PUBLIC RECORDS AT:

**RECORDS MANAGEMENT LIAISON OFFICER
POLK COUNTY
330 WEST CHURCH ST.
BARTOW, FL 33830
TELEPHONE: (863) 534-7527
EMAIL: RMLO@POLK-COUNTY.NET**

19.0 Compliance with Laws and Regulations

In providing all Services pursuant to this Agreement, the Consultant shall comply with applicable regulatory requirements including federal, state, special district, and local laws, rules regulations, orders, codes, criteria and standards, including those now in effect and hereafter adopted. Any violation of said statutes, ordinances, rules, or regulations shall constitute a material breach of this Agreement, and shall entitle the County to terminate this Agreement immediately upon delivery of written notice of termination to the Consultant.

20.0 Governing Law and Venue

This Agreement shall be governed in all respects by the laws of the State of Florida and any litigation with respect thereto shall be brought only in the courts of Polk County, Florida or in the United States District Court, Middle District of Florida, located in Hillsborough County, Florida. Each party shall be responsible for its own attorneys' fees and other legal costs and expenses.

21.0 Notices

Whenever either party desires to give notice unto the other, it must be given by written

notice, delivered (i) in person, (ii) via registered or certified United States mail, postage prepaid with return receipt requested, or (iii) via nationally recognized overnight delivery service, and addressed to the party for whom it is intended at the place last specified by each party. The place for giving of notice shall remain such until it is changed by written notice delivered in compliance with the provisions of this Section 21. For the present, the parties designate the following as the respective places for giving of notice, to wit:

For County: Polk County Utilities
1011 Jim Keene Blvd
Winter Haven, FL 33880
Attention: Division Director

For Consultant: Carollo Engineers, Inc.
2795 Mitchell Drive
Walnut Creek, CA 94598
Attn: Amanda Bauner, PE, ENV SP

22.0 Severability

The invalidity, illegality, or unenforceability of any provision of this Agreement, or the occurrence of any event rendering any portion or provision of this Agreement void, shall in no way affect the validity or enforceability of any other portion or provision of the Agreement; any void provision shall be deemed severed from the Agreement and the balance of the Agreement shall be construed and enforced as if the Agreement did not contain the particular portion or provision held to be void. The parties further agree to reform the Agreement to replace any stricken provision with a valid provision that comes as close as possible to the intent of the stricken provision. The provisions of this section shall not prevent the entire Agreement from being void should a provision which is of the essence of the Agreement be determined to be void.

23.0 Annual Appropriations

Consultant acknowledges that during any fiscal year the County shall not expend money, incur any liability, or enter into any agreement which by its terms involves the expenditure of money in excess of the amounts budgeted as available for expenditure during such fiscal year. Accordingly, any agreement, verbal or written, the County may make in violation of this fiscal limitation is null and void, and no money may be paid on such agreement. The County may enter into agreements whose duration exceeds one year; however, any such agreement shall be executory only for the value of the services to be rendered which the County agrees to pay as allocated in its annual budget for each succeeding fiscal year. Accordingly, the County's performance and

obligation to pay the Consultant under this Agreement is contingent upon annual appropriations being made for that purpose.

24.0 Employment Eligibility Verification (E-VERIFY)

A. Unless otherwise defined herein, terms used in this Section which are defined in Section 448.095, Florida Statutes, as may be amended from time to time, shall have the meaning ascribed in said statute.

B. Pursuant to Section 448.095(5), Florida Statutes, the contractor hereto, and any subcontractor thereof, must register with and use the E-Verify system to verify the work authorization status of all new employees of the contractor or subcontractor. The contractor acknowledges and agrees that (i) the County and the contractor may not enter into this Agreement, and the contractor may not enter into any subcontracts hereunder, unless each party to this Agreement, and each party to any subcontracts hereunder, registers with and uses the E-Verify system; and (ii) use of the U.S. Department of Homeland Security's E-Verify System and compliance with all other terms of this Certification and Section 448.095, Fla. Stat., is an express condition of this Agreement, and the County may treat a failure to comply as a material breach of this Agreement.

C. By entering into this Agreement, the contractor becomes obligated to comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility," as amended from time to time. This includes but is not limited to utilization of the E-Verify System to verify the work authorization status of all newly hired employees, and requiring all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The contractor shall maintain a copy of such affidavit for the duration of this Agreement. Failure to comply will lead to termination of this Agreement, or if a subcontractor knowingly violates the statute or Section 448.09(1), Fla. Stat., the subcontract must be terminated immediately. If this Agreement is terminated pursuant to Section 448.095, Fla. Stat., such termination is not a breach of contract and may not be considered as such. Any challenge to termination under this provision must be filed in the Tenth Judicial Circuit Court of Florida no later than 20 calendar days after the date of termination. If this Agreement is terminated for a violation of Section 448.095, Fla. Stat., by the contractor, the contractor may not be awarded a public contract for a period of 1 year after the date of termination. The contractor shall be liable for any additional costs incurred by the County as a result of the termination of this Agreement. Nothing in this Section shall be construed to allow intentional discrimination of any class protected by law.

25.0 Consultant Representations

25.1 The Consultant hereby represents and warrants the following to the County:

25.1.1 Consultant is a corporation that is duly organized and existing in good standing under the laws of the State of Delaware with full right and authority to do business within the State of Florida.

25.1.2 Consultant's performance under this Agreement will not violate or breach any contract or agreement to which the Consultant is a party or is otherwise bound, and

will not violate any governmental statute, ordinance, rule, or regulation.

25.1.3 Consultant has the full right and authority to enter into this Agreement and to perform its obligations in accordance with its terms.

25.1.4 Consultant now has and will continue to maintain all licenses and approvals required for conducting its business, and that it will at all times conduct its business activities in a reputable manner.

25.1.5 Consultant has no obligation or indebtedness that would impair its ability to fulfill the terms of this Agreement.

25.1.6 Consultant has the personnel and experience necessary to perform all Services in a professional and workmanlike manner.

25.1.7 Consultant shall, at no additional cost to County, re-perform those Services which fail to satisfy the foregoing standard of care or which otherwise fail to meet the requirements of this Agreement.

25.1.8 Each individual executing this Agreement on behalf of the Consultant is authorized to do so

26.0 Default and Remedy

If the Consultant materially defaults in its obligations under this Agreement and fails to cure the same within fifteen (15) days after the date the Consultant receives written notice of the default from the County, then the County shall have the right to (i) immediately terminate this Agreement by delivering written notice to the Consultant, and (ii) pursue any and all remedies available in law, equity, and under this Agreement. If the County materially defaults in its obligations under this Agreement and fails to cure the same within fifteen (15) days after the date the County receives written notice of the default from the Consultant, then the Consultant shall have the right to immediately terminate this Agreement by delivering written notice to the County. Upon any such termination, the County shall pay the Consultant the full amount due and owing for all Services performed through the date of Agreement termination.

27.0 Limitation of Liability

IN NO EVENT, SHALL THE COUNTY BE LIABLE TO THE CONSULTANT FOR INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, EXEMPLARY, OR PUNITIVE DAMAGES OF ANY KIND OR NATURE, INCLUDING LOSS OF PROFIT, WHETHER FORESEEABLE OR NOT, ARISING OUT OF OR RESULTING FROM THE

NONPERFORMANCE OR BREACH OF THIS CONTRACT BY THE COUNTY WHETHER BASED IN CONTRACT, COMMON LAW, WARRANTY, TORT, STRICT LIABILITY, CONTRIBUTION, INDEMNITY OR OTHERWISE.

28.0 Waiver

A waiver by either County or Consultant of any breach of this Agreement shall not be binding upon the waiving party unless such waiver is in writing. In the event of a written waiver, such a waiver shall not affect the waiving party's rights with respect to any other or further breach of this Agreement. The making or acceptance of a payment by either party with the knowledge of the other party's existing default or breach of the Agreement shall not waive such default or breach, or any subsequent default or breach of this Agreement, and shall not be construed as doing so.

29.0 Attorneys' Fees and Costs

Each party shall be responsible for its own legal and attorneys' fees, costs and expenses incurred in connection with any dispute or any litigation arising out of, or relating to this Agreement, including attorneys' fees, costs, and expenses incurred for any appellate or bankruptcy proceedings.

30.0 Force Majeure

Either party hereunder may be temporarily excused from performance if an Event of Force Majeure directly or indirectly causes its nonperformance. An "Event of Force Majeure" is defined as any event which results in the prevention or delay of performance by a party of its obligations under this Agreement and which is beyond the reasonable control of the nonperforming party. It includes, but is not limited to fire, flood, earthquakes, storms, lightning, epidemic, war, riot, civil disturbance, sabotage, and governmental actions. Neither party shall be excused from performance if non-performance is due to forces which are reasonably preventable, removable, or remediable and which the non-performing party could have, with the exercise of reasonable diligence, prevented, removed, or remedied prior to, during, or immediately after their occurrence. Within five (5) days after the occurrence of an Event of Force Majeure, the non-performing party shall deliver written notice to the other party describing the event in reasonably sufficient detail, along with proof of how the event has precluded the non-performing party from performing its obligations hereunder, and a good faith estimate as to the anticipated duration of the delay and the means and methods for correcting the delay. The non-performing party's obligations, so far as those obligations are affected by the Event of Force Majeure, shall be temporarily suspended

during, but no longer than, the continuance of the Event of Force Majeure and for a reasonable time thereafter as may be required for the non-performing party to return to normal business operations. If excused from performing any obligations under this Agreement due to the occurrence of an Event of Force Majeure, the non-performing party shall promptly, diligently, and in good faith take all reasonable action required for it to be able to commence or resume performance of its obligations under this Agreement. During any such time period, the non-performing party shall keep the other party duly notified of all such actions required for it to be able to commence or resume performance of its obligations under this Agreement.

31.0 Key Personnel

The Consultant shall notify the County if any of the Consultant's Key Personnel (as defined, below) change during the Term of the Agreement. To the extent possible, the Consultant shall notify the County at least ten (10) days prior to any proposed change in its Key Personnel. At the County's request the Consultant shall remove without consequence to the County any of the Consultant's contractors, sub-contractors, sub-consultants, agents or employees and replace the same with an appropriate substitute having the required skill and experience necessary to perform the Services. The County shall have the right to reject the Consultant's proposed changes in Key Personnel. The following individuals shall be considered "Key Personnel:"

Name: Vic Godlewski, PE

Name: Amanda Bauner, PE, ENV SP

Name: Jeremy O'Neal, PE

Name: Erica Stone, PhD, PE

Name: Sudhan Paranjape, PE

Name: Jeremy O'Neal, PE

Name: Andrew Gilmore, PE

32.0 Scrutinized Companies and Business Operations Certification; Termination.

A. Certification(s).

(i) By its execution of this Agreement, the Consultant hereby certifies to the County that the Consultant is not on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, Florida Statutes, nor is the Consultant engaged in a boycott of Israel, nor was the Consultant on such List or engaged in such a boycott at

the time it submitted its bid, proposal, quote, or other form of offer, as applicable, to the County with respect to this Agreement.

(ii) Additionally, if the value of the goods or services acquired under this Agreement are greater than or equal to One Million Dollars (\$1,000,000), then the Consultant further certifies to the County as follows:

(a) the Consultant is not on the Scrutinized Companies with Activities in Sudan List, created pursuant to Section 215.473, Florida Statutes; and

(b) the Consultant is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Section 215.473, Florida Statutes; and

(c) the Consultant is not engaged in business operations (as that term is defined in Florida Statutes, Section 287.135) in Cuba or Syria; and

(d) the Consultant was not on any of the Lists referenced in this subsection A(ii), nor engaged in business operations in Cuba or Syria when it submitted its proposal to the County concerning the subject of this Agreement.

(iii) The Consultant hereby acknowledges that it is fully aware of the penalties that may be imposed upon the Consultant for submitting a false certification to the County regarding the foregoing matters.

B. Termination. In addition to any other termination rights stated herein, the County may immediately terminate this Agreement upon the occurrence of any of the following events:

(i) The Consultant is found to have submitted a false certification to the County with respect to any of the matters set forth in subsection A(i) above, or the Consultant is found to have been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel.

(ii) The Consultant is found to have submitted a false certification to the County with respect to any of the matters set forth in subsection A(ii) above, or the Consultant is found to have been placed on the Scrutinized Companies with Activities in Sudan List, or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or has been engaged in business operations in Cuba or Syria, and the value of the goods or services acquired under this Agreement are greater than or equal to One Million Dollars (\$1,000,000).

33.0 No Construction Against Drafter

The Parties acknowledge that this Agreement and all the terms and conditions contained herein have been fully reviewed and negotiated by the Parties. Accordingly, any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply in interpreting this Agreement.

34.0 Unauthorized Alien(s)

The Consultant shall not employ or utilize unauthorized aliens in the performance of the Services provided pursuant to this Agreement. The County shall consider the employment or utilization of unauthorized aliens a violation of Section 274A(e) of the Immigration and Naturalization Act (8 U.S.C. 1324a) and a cause for the County's unilateral termination of this Agreement. When delivering executed counterparts of this Agreement to the County, the Consultant shall also deliver a completed and executed counterpart of the attached "AFFIDAVIT CERTIFICATION IMMIGRATION LAWS" form.

**(THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK;
THE AGREEMENT CONTINUES ON THE FOLLOWING PAGE
WITH THE PARTIES' SIGNATURES.)**

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the Effective Date.

ATTEST:

STACY M. BUTTERFIELD
CLERK OF THE BOARD

Polk County, a political subdivision
of the State of Florida

By: _____
Deputy Clerk

By: _____
T. R. Wilson, Chairman
Board of County Commissioners

Date Signed By County _____

Reviewed as to form and legal sufficiency:

Nash, Malow 5/5/25
County Attorney's Office Date

ATTEST:

Carollo Engineers, Inc.,
a Delaware corporation

By: _____
Vic Godlewski, PE

PRINT NAME

Vice President

TITLE

By: _____
Mary Thomas, PE

PRINT NAME

Vice President

TITLE

Date: May 8, 2025

SEAL



ACKNOWLEDGEMENT OF FIRM IF A LIMITED LIABILITY COMPANY

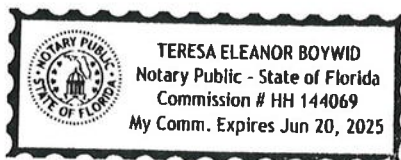
STATE OF _____ County OF _____
The foregoing instruments was acknowledged before me by means of ☐ physical presence or ☐ online notarization this _____ (Date) by _____ (Name of officer or agent) as _____ (title of officer or agent) of the Company on behalf of the Company, pursuant to the powers conferred upon him/her by the Company. He/she personally appeared before me at the time of notarization, and ☐ is personally known to me or ☐ has produced _____ as identification and did certify to have knowledge of the matters stated in the foregoing instrument and certified the same to be true in all respects. Subscribed and sworn to (or affirmed) before me this _____ (Date) _____ (Official Notary Signature and Notary Seal) _____ (Name of Notary typed, printed or stamped)
Commission Number _____ Commission Expiration Date _____

ACKNOWLEDGEMENT OF FIRM, IF A CORPORATION

STATE OF Florida County OF Orange
The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization this May 8th 2025 (Date) by Uc Godlewski (Name of officer or agent) as Vice President (title of officer or agent) of the Corporation on behalf of the Corporation, pursuant to the powers conferred upon him/her by the Corporation. He/she personally appeared before me at the time of notarization, and ☒ is personally known to me or ☐ has produced _____ as identification and did certify to have knowledge of the matters stated in the foregoing instrument and certified the same to be true in all respects. Subscribed and sworn to (or affirmed) before me this May 8th 2025 (Date) _____ (Official Notary Signature and Notary Seal) [Signature] (Name of Notary typed, printed or stamped)
Commission Number HH 144069 Commission Expiration Date June 20, 2025

ACKNOWLEDGEMENT OF FIRM, IF AN INDIVIDUAL

STATE OF _____ County OF _____
The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization this _____ (Date) By _____ (Name of acknowledging) who personally appeared before me at the time of notarization, and ☐ is personally known to me or ☐ has produced _____ as identification and did certify to have knowledge of the matters in the foregoing instrument and certified the same to be true in all respects. Subscribed and sworn to (or affirmed) before me this _____ (Date) _____ (Official Notary Signature and Notary Seal) _____ (Name of Notary typed, printed or stamped)
Commission Number _____ Commission Expiration Date _____



ACKNOWLEDGEMENT OF FIRM, IF A PARTNERSHIP

STATE OF _____ County OF _____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization this _____ (Date) by _____ (Name of acknowledging partner or agent) on behalf of _____ a partnership. He/She personally appeared before me at the time of notarization, and ☐ is personally known to me or ☐ has produced _____ as identification and did certify to have knowledge of the matters in the foregoing instrument and certified the same to be true in all respects. Subscribed and sworn to (or affirmed) before me this _____ (Date) _____ (Official Notary Signature and Notary Seal)

(Name of Notary typed, printed or stamped)
Commission Number _____ Commission Expiration Date _____

AFFIDAVIT CERTIFICATION IMMIGRATION LAWS

SOLICITATION NO.: RFP 24-551, Engineering Services for East Regional Water Production and Wastewater Treatment Facilities

POLK COUNTY WILL NOT INTENTIONALLY AWARD COUNTY CONTRACTS TO ANY CONSULTANT WHO KNOWINGLY EMPLOYS UNAUTHORIZED ALIEN WORKERS, CONSTITUTING A VIOLATION OF THE EMPLOYMENT PROVISIONS CONTAINED IN 8 U.S.C. SECTION 1324 a(e) {SECTION 274A(e) OF THE IMMIGRATION AND NATIONALITY ACT ("INA").

POLK COUNTY MAY CONSIDER THE EMPLOYMENT BY ANY CONSULTANT OF UNAUTHORIZED ALIENS A VIOLATION OF SECTION 274A(e) OF THE INA. **SUCH VIOLATION BY THE RECIPIENT OF THE EMPLOYMENT PROVISIONS CONTAINED IN SECTION 274A(e) OF THE INA SHALL BE GROUNDS FOR UNILATERAL CANCELLATION OF THE CONTRACT BY POLK COUNTY.**

PROPOSER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name: Carollo Engineers, Inc.

Signature: [Signature]

Title: Vic Godlewski, PE Vice President

Date: 05/08/2025

State of: Florida

County of: Orange

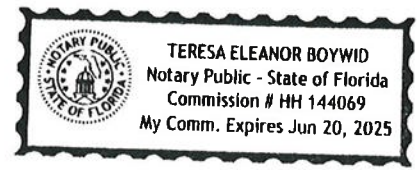
The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization, this 8th day of May, 2025 by Vic Godlewski (name) as Vice President (title of officer) of Carollo Engineers, Inc. (entity name), on behalf of the company, who ☒ is personally known to me or ☐ has produced _____ as identification.

Notary Public Signature: [Signature]

Printed Name of Notary Public: Teresa Boywid

Notary Commission Number and Expiration: HH 144069 June 20, 2025

(AFFIX NOTARY SEAL)



Affidavit Regarding the Use of Coercion for Labor or Services

In compliance with Section 787.06(13), Florida Statutes, this attestation must be completed by an officer or representative of a nongovernmental entity that is executing, renewing, or extending a contract with Polk County, a political subdivision of the State of Florida.

The undersigned, on behalf of the entity listed below (the "Nongovernmental Entity"), hereby attests under penalty of perjury as follows:

1. I am over the age of 18 and I have personal knowledge of the matters set forth herein.
2. I currently serve as an officer or representative of the Nongovernmental Entity.
3. The Nongovernmental Entity does **not** use coercion for labor or services, as those underlined terms are defined in Section 787.06, Florida Statutes.
4. This declaration is made pursuant to Section 92.525, Fla. Stat. and Section 787.06, Fla. Stat. I understand that making a false statement in this declaration may subject me to criminal penalties.

Under penalties of perjury, I Vic Godlewski, Vice President (Signatory Name and Title), declare that I have read the foregoing Affidavit Regarding the Use of Coercion for Labor and Services and that the facts stated in it are true.

Further Affiant sayeth naught.

Carollo Engineers, Inc.

NONGOVERNMENTAL ENTITY



SIGNATURE

Vic Godlewski, PE

PRINT NAME

Vice President

TITLE

05/08/2025

DATE

Exhibit "A-i"

RFP NOTICE

Polk County, a political subdivision of the State of Florida, requests the submittal proposals from vendors that are interested in providing professional engineering services for the new water production and wastewater treatment facilities in the ERUSA for Polk County as described herein. Sealed proposals must be received in the Procurement Division, prior to the due date and time listed below.

RFP Number and Title: 24-551, Engineering Services for East Regional Water Production and Wastewater Treatment Facilities

Description: Provide professional engineering services for new water production and wastewater treatment facilities in the East Regional Utility Service Area (ERUSA), to include preliminary and final design, permitting, bid phase, and construction phase services.

Receiving Period: Prior to 2:00 p.m., Wednesday, October 16, 2024.

Bid Opening: Wednesday, October 16, 2024, at 2:00 p.m. or as soon as possible thereafter.

This form is for RFP registration only. Please scroll down for additional information.

Special Instructions: A **MANDATORY** pre-proposal meeting will be held Monday, September 30, 2024, 2:00 p.m. at the Utilities Administration Building, Room 63, located at 1011 Jim Keene Blvd, Winter Haven, FL 33880. An authorized representative or agent of the Proposer must be present at this meeting in person as evidenced by their signature on the meeting's sign-in sheet, or the Proposers Proposal will be considered non-responsive.

To receive a copy of **RFP 24-551 Appendix "A" 2023 ERUSA Master Plan Update**, please go to the following FTP site: <https://ftp3.polk-county.net>, and you will be prompted for a User ID and Password. The User ID is *procurevendor* and the password is *solicitation*. After you have logged in to the FTP site, double click on the file folder "**RFP 24-551 Appendix A 2023 ERUSA Master Plan Update.zip**", select "Open" or "Save As" to download Appendix "A". If you need assistance accessing this website due to ADA or any other reason, please email Ari Goldstein at arigoldstein@polk-county.net.

Questions regarding this RFP must be in writing and must be sent to Ari Goldstein Procurement Analyst, via email at arigoldstein@polk-county.net or via fax at (863) 534-6789. All questions must be received by, Monday, October 7, 2024, 4:00 p.m.

RFP REGISTRATION

You must register using this form in order to receive notice of any addenda to these documents. Please fax the completed form to the Procurement Division as soon as possible. It is the vendor's responsibility to verify if addenda have been issued.

RFP Number: 24-551

RFP Title: Engineering Services for East Regional Water Production and Wastewater Treatment Facilities

This form is for bid registration only. Please scroll down for additional information.

Carefully complete this form and return it to the Procurement Division via e-mail to procurement@polk-county.net or fax (863) 534-6789. You must submit one form for each solicitation that you are registering for.

Company Name: _____

Contact Name: _____

Mailing Address: _____

City: _____

State: _____

Zip Code: _____

Phone Number: _____

Email: _____

PROPOSAL SUBMITTAL INSTRUCTIONS

Proposers must submit their proposal prior to 2:00 p.m. on the receiving date. Proposals must be submitted in a “sealed” parcel or electronically through Polk County’s secure website, Kiteworks. Proposals will be publicly opened at 2:00 p.m. on the receiving date.

Sealed Parcel Submittal:

If you are submitting a sealed parcel proposal submit one (1) original marked ORIGINAL and five (5) copies marked COPY of the proposal in a sealed parcel to the Procurement Division. The parcel should be labeled “**RFP 24-551, Engineering Services for East Regional Water Production and Wastewater Treatment Facilities**” and marked with the proposer’s name and address. The Proposals may be mailed or delivered to:

**Polk County Procurement Division
330 West Church Street, Room 150
Bartow, FL 33830**

To assist with labeling the sealed parcel, please cut along the outer border and affix this label. Be sure to include the name of the company submitting the proposal where requested.

| Sealed Bid. DO NOT OPEN | |
|--------------------------------|--|
| Sealed RFP Number | 24-551 |
| RFP Title | Engineering Services for East Regional Water Production and Wastewater Treatment Facilities |
| Due Date/Time: | October 16, 2024, prior to 2:00 pm |
| Submitted by: | |
| Deliver To: | Polk County Procurement Division 330 West Church Street, Room 150, Bartow, Florida 33830 |

Proposals may be mailed, express mailed or hand delivered. It is the Proposers responsibility to ensure their package is delivered to the Procurement Division prior to

2:00 p.m. on the Receiving date and time referenced above. Proposals delivered at 2:00 p.m. or later will not be accepted.

Electronic Proposals Submittal:

All prospective Proposers that are interested in submitting their proposals electronically can do so via the County's secure electronic submittal website, Kiteworks. Proposers must email arigoldstein@polk-county.net at least 48 hours prior to opening to receive a link to upload their submittal. Please only upload your documents as a PDF or Excel file for the Cost Tab, if applicable. Please use the name convention of your files as follow:

"RFP 24-551 Tab 1"

"RFP 24-551 Tab 2"

"RFP 24-551 Tab 3"

"RFP 24-551 Tab 4"

"RFP 24-551 Tab 5"

"RFP 24-551 Tab 6"

"RFP 24-551 Tab 7"

"RFP 24-551 Tab 8"

For more instructions, a video tutorial has been produced to further explain the electronic solicitation submittal process. It can be found by clicking here for RFP Submittals: https://youtu.be/vkn_7AHgioE. If you need assistance accessing this website due to ADA or any other reason, please email Ari Goldstein at arigoldstein@polk-county.net.

Procurement recommends that Proposers submitting electronically double check the documents submitted into Kiteworks to ensure all requested tab information has been uploaded. Failure to upload the requested tab information may result in the proposal being deemed non-responsive.

POLK COUNTY
Procurement Division
Fran McAskill
Procurement Director
REQUEST FOR PROPOSAL 24-551
Engineering Services for East Regional Water Production and Wastewater
Treatment Facilities

Attached are important instructions and specifications regarding responses to this Request for Proposal (the "RFP"). The failure of a responding proposer (a "Proposer") to follow these instructions could result in Proposer disqualification from consideration for a contract to be awarded pursuant to this RFP.

This document is issued by Polk County (the "County") which is the sole distributor of this RFP and all addenda and changes to the RFP documents. The County shall record its responses to inquiries and provide any supplemental instructions or additional documents pertaining to this RFP in the form of written addenda to the RFP. The County shall post all such addenda, together with any other information pertaining to this RFP, on the County's website <https://www.polk-county.net/business/procurement>. It is the sole responsibility of each Proposer to review the website prior to submitting a responsive proposal (a "Proposal") to this RFP to ensure that the Proposer has obtained all available instructions, addenda, changes, supporting documents, and any other information pertaining to this RFP.

The County is not responsible for any solicitations issued through subscriber, publications, or other sources not connected with the County and the Proposer should not rely on such sources for information regarding the RFP solicitation.

Questions regarding this RFP must be in writing and must be sent to Ari Goldstein, via email at arigoldstein@polk-county.net or via fax at (863) 534-6789. All questions must be received by October 7, 2024, 4:00 p.m.

Proposers and any prospective Proposers shall not contact, communicate with or discuss any matter relating in any way to this RFP with any member of the Polk County Board of County Commissioners or any employee of Polk County other than the County Procurement Director or the individual designated above. This prohibition begins with the issuance of the Request for Proposal and ends upon execution of a contract. Any such communication initiated by a Proposer or prospective proposer shall be grounds for disqualifying the offender from consideration for a contract to be awarded pursuant to this RFP and for contracts to be awarded pursuant to RFPs or Requests for Bid that the County may issue in the future.

A Proposer's responsive Proposal to this RFP may be mailed, express mailed, or hand delivered to:

Polk County Procurement Division
330 West Church Street, Room 150
Bartow, Florida 33830
(863)534-6757

INTRODUCTION

Polk County, a political subdivision of the State of Florida, seeks professional engineering services for design, permitting, bid and construction phase services in support of the following projects and as further defined in the Scope of Services section below:

1. East Regional Utility Service Area (ERUSA) Water Production Facility
2. ERUSA Wastewater Treatment Facility

Polk County's Selection Process for consultants' services is in accordance with Section 287.055, Florida Statutes, the Consultants' Competitive Negotiations Act ("CCNA"). The Professional Services Selection Committee will review the qualifications of all submitting firms.

It is the intent of the County to select and negotiate a Consulting Agreement with one (1) firm for each project defined in the scope of services.

The County will negotiate a fee schedule and or overall lump sum price as part of "Selection Process", Elevation Level 4, Contract Negotiations.

Services under this contract will be in compliance with Section 287.055 of the Florida Statutes referred to as the "Consultants' Competitive Negotiation Act" (CCNA). Polk County's Procurement Procedure's Manual outlines the Procedures for Contracting for Professional Services Covered by CCNA. These procedures outline the process used for the selection of a consulting firm awarded through this RFP process.

In accordance with Section 287.055(10), Florida Statutes, or any applicable amending or replacement statute, this provision of the RFP shall serve as the County's public notice that any plans, drawings or designs developed by the successful Proposer(s) on behalf of the County pursuant to this RFP or any agreement, authorization, purchase order or other contract resulting therefrom, are subject to be reused by the County at some future time in accordance with the aforementioned statute.

All services must be performed in accordance with applicable Federal, State and Local regulations.

BACKGROUND, PURPOSE AND SCOPE

Background & Purpose:

Polk County Utilities (PCU) serves water and wastewater customers in its ERUSA, which is generally located north and west of Lake Pierce and south of the Poinciana area. The Poinciana area, which is adjacent to the ERUSA, has experienced substantial growth in recent years. The Polk County Board of County Commissioners anticipate that growth will continue into the ERUSA and has instructed PCU to plan for such growth. PCU recently completed a Master Plan update for the ERUSA, which recommended the

construction of a new regional water production facility and wastewater treatment facility. The updated ERUSA Master Plan is included in Appendix “A”.

Based on the recommendations in the Master Plan, Polk County Utilities intends to proceed with the following projects:

1. ERUSA Water Production Facility
2. ERUSA Wastewater Treatment Facility

It is the Utilities Division’s intent to either bid the construction projects individually, together, or anticipate using a Construction Manager at-Risk (CM at Risk) procurement method for construction services.

SCOPE OF SERVICES

For each project, the selected firm shall have demonstrated experience in the design, permitting and construction of water production and wastewater treatment facilities of similar size and complexity. The scope of services to be provided in conjunction with this RFP includes the following:

- Project management services, including contract administration, budget management, invoicing, monthly status reports, project scheduling, coordination with PCU and subconsultants, and meetings.
- Support services, including land acquisition, public outreach, subsurface utility engineering, geotechnical engineering, land surveying, and threatened/endangered species.
- Preliminary design services, including data collection, site visits, and preparation of a preliminary design report.
- Final design services, including preparation of design drawings, technical specifications, and an opinion of probable construction cost at the 60%, 90% and 100% design milestones. Design services required for the Project are anticipated to include wastewater process, civil/site, landscaping, structural, mechanical, electrical, and instrumentation/controls.
- Permitting services, including attendance at meetings, preparation of permit applications, and responses to requests for additional information (RAI’s). It is anticipated that, at a minimum, approvals for the Project will be required from the FDEP and Polk County Land Development Division.
- Bid phase services, including preparation of bid documents, attendance at the pre-bid meeting, preparation of bid addenda, preparation of a bid recommendation, and pre-award services.
- Construction phase services, including construction administration services and resident project representative services.
- Post-construction services, including preparation of record drawings.

AGREEMENT

The term of this agreement is through completion of the construction project which is estimated be for three (3) years after notice to proceed is issued. The actual term will be negotiated as part of the Selection Process, Elevation Level 4.

EVALUATION CRITERIA

Proposals should not contain information in excess of that requested, must be concise, and must specifically address the issues of this RFP. Unnecessarily elaborate brochures or other presentations beyond those sufficient to present a complete and effective response to this RFP are not desired and may be construed as an indication of the Proposer's lack of cost consciousness. Elaborate artwork, expensive visual aids, and other presentation aids are neither necessary nor desired unless specifically requested. The Proposal responses shall be contained within a three-ring binder (original and each copy in separate binders). For the purposes of this RFP, one page equals a single sided page. It is requested that the responses be in the same order as the selection and evaluation procedures. The submittals should include the following:

Tab 1 – Executive Summary

(Items a-c: Maximum of two (2) pages)

- a) Name, company name, address, telephone number, and email address.
- b) State the number of years in business, as the same company/firm.
- c) State the number of full-time employees.
- d) Provide documentation showing proper incorporation by the Secretary of State.
- e) Provide a copy of the firm's applicable certification(s) from the State of Florida allowing them to provide the services as outlined in the Scope of Service as well as compliance with F.S. 287.055
- f) Include the following "Submittal Pages" under Tab 1:
 - a. Proposer's Incorporation Information form
 - b. Affidavit Certification of Immigration Laws form
 - c. Employment Eligibility Verification (E-Verify) Certification form
 - d. Signed addendum pages (if applicable)

Tab 2 –Approach to Project (35 Points)

(Maximum of four (4) pages)

- Provide a short narrative project approach outlining how you propose to respond to and manage this project.
- Please describe the specific abilities of the firm/team in regards to this approach. Include any innovative approaches to providing the services, and include any additional information not directly cited in the scope of services.
- Briefly describe firm's quality assurance/quality control program.
- Please include a project schedule.
- Describe how your firm will coordinate and interface with the yet to be determined CMAR firm.
- Describe the firm's experience with coordinating projects utilizing the CMAR project delivery method. Provide at least one (1) example of a project where the CMAR delivery

method was utilized, and your firm's experience and approach to preconstruction and construction phase services.

Tab 3 – Experience, Expertise, Personnel & Technical Resources (35 Points)

- Provide a minimum of three (3) and a maximum of five (5) recent projects performed within the past ten (10) years as the prime firm performing the engineering services for water production or wastewater treatment facilities of similar size and scope. (Limit response to one (1) page per project)
- For each project please provide:
 - a. Name and location of the project;
 - b. Size and cost of the project;
 - c. Project representative name, address, phone number, and email address;
 - d. Date project was completed or is anticipated to be completed; compare to the original date.
 - e. The nature of the firm's responsibility on the project;
 - f. Identify the key staff and their role in each project;
 - g. Identify working relationship of consultants or joint venture on project, if applicable;
 - h. Provide the original budget and the final budget of the project. Explain the reason(s) for differences, such as owner requested change, contractor claim, and insufficient plans and specifications.
 - i. List of any time extensions created by item h above.
- Provide an organizational chart of the team highlighting the key individuals who will work on this contract as identified above.
- The key staff presented in the consultant's response shall be the staff utilized on this contract. Please provide the resumes of the key staff including, but not limited to, the items in the list below (One (1) page maximum per resume):
 - a) Name and current position held by the person
 - b) Name, title and project assignment
 - c) Experience:
 - 1) Types of projects.
 - 2) Size of projects (dollar value of project).
 - 3) What were their specific project involvements?
- Demonstrate each key staff's availability and office and home location to respond to the needs of the project (Two (2) pages maximum for all key staff member)
- Identify sub consultants to be used, if any. For each sub consultant identified please provide
 - Their locations that can be utilized to expedite a deliverable if required.
 - A brief description of their experience outlining their qualifications to perform the intended services
 - A brief resume for each key personnel that will be assigned to perform the intended services.

Tab 4 Is the Firm a "Polk County Entity"? (5 Points)

- There will be a maximum of five (5) points allocated for this Tab. If the Proposer is a Polk County Entity then five (5) points will be allocated. If the Proposer is not a Polk County Entity but is utilizing one or more sub-consultants that are a Polk County Entity to assist

in performing the scope of work then the Proposal will be allocated one (1) point for each sub-consultant which is a Polk County Entity up to a maximum of five (5) points. The Polk County Entity sub-consultant(s) must have been identified under Tab 3, Experience, Expertise, Personnel and Technical Resources in order to qualify for point allocation.

- Provide documentation of the Proposers' headquarters and local offices, if any, and the amount of time the firm has been located at each such local office. Please also indicate the number of employees at the local office.
- Provide documentation of the sub-consultant's headquarters and local offices, if any, and the amount of time the sub-consultant has been located at each such local office. Please also indicate the number of employees at the local office.
- Proposers or sub-consultants will be allocated points if they meet the following Polk County Government definition of Polk County Entity.
 - The term "Polk County Entity" means any business having a physical location within the boundaries of Polk County, Florida, at which employees are located and business activity is managed and controlled on a day to day basis. Additionally, the business must have been located within the boundaries of Polk County for a minimum of 12 months prior to the date the applicable solicitation is issued. This requirement may be evidenced through a recorded deed, an executed lease agreement, or other form of written documentation acceptable to the County. The County shall have the right, but not the obligation, to verify the foregoing requirements.
- In the event a Proposer lists one or more sub-consultants in Tab 4 which is a Polk County Entity and receives point(s) as a result, and after the Proposer is awarded the project, if successful, it is determined that the listed sub-consultant does not assist in the performance of the scope of work (and is not replaced with an alternative sub-consultant which is a Polk County Entity), then the Proposer acknowledges and agrees that it may be suspended or debarred by the Procurement Director for failure to comply with the conditions, specifications or terms of a proposal or contract with the County or for committing a fraud or misrepresentation in connection with a proposal or contract with the County, in accordance with the Polk County Purchasing Ordinance and Procedures Manual.

Tab 5 Is the Firm a "Certified Woman or Minority Business Enterprise" (5 Points)

- Polk County Board of County Commissioners has a long standing commitment to encouraging the utilization of Women and Minority Businesses that do business with the County as vendors. To that end we encourage all of our prime and professional services vendors to utilize W/MBE vendors where at all possible, irrespective of a company's certification status. Please explain how the submitting firm will encourage minority participation in the project. (Limit response to one page)
- There will be a maximum of five (5) points allocated for this tab. If the Proposer is a Woman or Minority owned business then five (5) points will be allocated. If the Proposer is not a Woman or Minority owned business but is utilizing one or more sub-consultants that are a Women or Minority owned business to assist in performing the scope of work, then the Proposal will be allocated one (1) point for each sub-consultant which meets the County's certification criteria of Women or Minority owned, up to a maximum of five (5) points. The Woman or Minority owned business sub-consultant(s) must have been

identified under Tab 3, Experience, Expertise, Personnel and Technical Resources in order to qualify for point allocation.

- Proposers or sub-consultants will be allocated points if they are a certified W/MBE as evidenced by providing the documentation described below.
- If the Proposer or sub-consultant has a certified W/MBE status, provide documentation of the firms' certified W/MBE status as defined by the Florida Small and Minority Business Act and as defined in Polk County's Purchasing Procedures. Polk County's Purchasing Procedures recognize the following to meet the requirement of a certified W/MBE status:
 - Valid W/MBE Certification from one of the following:
 - Florida Minority Supplier Development Council
 - Women Business Enterprise National Council
 - The State of Florida Office of Supplier Diversity
 - Florida Department of Transportation
 - U. S. Small Business Administration
 - Federal Aviation Authority
 - Other Florida governmental agencies

Certifications from other governmental agencies will be considered on a case-by-case basis.

- In the event a Proposer lists one or more sub-consultants in Tab 5 which is a Women or Minority owned business and receives point(s) as a result, and after the Proposer is awarded the project, if successful, it is determined that the listed sub-consultant does not assist in the performance of the scope of work (and is not replaced with an alternative sub-consultant which is a Women or Minority owned business), then the Proposer acknowledges and agrees that it may be suspended or debarred by the Procurement Director for failure to comply with the conditions, specifications or terms of a proposal or contract with the County or for committing a fraud or misrepresentation in connection with a proposal or contract with the County, in accordance with the Polk County Purchasing Ordinance and Procedures Manual.

Tab 6 – Interaction with County and Regulatory Agency Staff (5 Points)

- Provide documentation supporting the specialized qualifications of the proposed staff in terms of meeting this scope of service. Qualifications should highlight experience with regulatory agencies, identifying specific agencies and the items being addressed, including construction permitting, water use permitting, consent orders, consultation, governing regulations, and other related activities. Describe the firm's ability to work with the County's Utilities, Procurement Division, Building Division, Codes Division, and County Attorney's Office staff in order to successfully fulfill the scope of service. Demonstrate the firm's knowledge of permitting process, as well as local regulatory agencies, including, but not limited to FDEP, SWFWMD, and Polk County Land Development Division. (Limit response to one (1) page)

Tab 7 – Timely Completion of Projects (5 Points)

- Describe the firms' current and future projected workload. Describe specifically the firms' daily ability to handle each aspect of the scope of services described herein. (Limit response to two (2) pages maximum)

Tab 8 – Surveys of Past Performance (10 Points)

- Provide reference surveys from past clients for all projects identified under Tab 3.
- Completed surveys. (See Exhibit 1) Procurement will take the average of all three surveys and score as follows
 - Average Score between 9-10 10 Points
 - Average Score between 7-8 8 Points
 - Average Score between 5-6 6 Points
 - Average Score between 3-4 4 Points
 - Average Score between 1-2 2 Points
 - Average Score of 0 0 Points

BID OPENING

Proposers attend the Bid Opening in person or via conference call by dialing (646) 558-8656 and enter Meeting ID: 327 647 2818. A listing of all proposers will be posted to Procurement's website as soon as possible after bid opening.

Selection Process

Proposals will be evaluated in accordance with this section and all applicable County procurement policies and procedures.

The County shall appoint a selection committee (the "Selection Committee") that will be responsible for evaluating and scoring/ranking the Proposals in accordance with this Section.

The County will use a competitive selection process based on the Elevation Levels described in this Section. At Elevation Levels 2 and 3, the Selection Committee will score and/or rank the Proposals as applicable.

Selection of a final Proposal will be based upon the following steps and factors:

Elevation Level 1 (Procurement Requirements Assessment):

- The County Procurement Division shall review all Proposals for conformance with RFP guidelines and detailed submittal requirements. At the County's discretion, non-conforming Proposals may be eliminated from further consideration and conforming Proposals shall be elevated to Elevation Level 2. Procurement will distribute Proposals and evaluation criteria to the Selection Committee.
- Procurement will also ensure all firms meet the requirement of certification as outlined in Florida Statute 287.055(3)(c).
- The Selection Committee may convene to review questions that arise during individual member review of submitted Proposals before Elevation Level 2 to allow for questions, clarifications, explanations, or other discussion to be held before the review of Proposals is completed.

Elevation Level 2 (Scoring)

- Procurement shall score each Proposal on the following evaluation criteria:
 - Local (Tab 4) 5 points
 - W/MBE Certification (Tab 5) 5 Points
 - Surveys of Past Performance (Tab 8) 10 points
 - Subtotal Points 20 points

by the process stated under each corresponding Tab description as set forth on Pages 9 – 11.

1) Each Selection Committee member shall score each Proposal on the following evaluation criteria:

| | |
|--|-------------------|
| • Approach to Project (Tab 2) | 35 Points |
| • Experience, Expertise, (Tab 3) Personnel, and Technical Resources | 35 Points |
| • Interaction w/ County & Regulatory (Tab 6) Agencies | 5 points |
| • Timely Completion of Projects (Tab 7) | <u>5 points</u> |
| Subtotal Points | 80 points |
| Total Points | <u>100 points</u> |

by the following process:

1) Each Selection Committee member shall determine which of the following descriptions applies to each of the foregoing evaluation criteria:

- **EXCELLENT (1.0):** Of the highest or finest quality; exceptional; superior; superb; exquisite; peerless.
The Proposer provided information for a given criteria that satisfied the requirements and described specifically how and what will be accomplished in such a manner that exhibited an exceptional and superior degree of understanding, skill, and competency, both qualitatively and quantitatively. The facts included in the narrative (including all supporting documentation, diagrams, drawings, charts, and schedules, etc.) demonstrate the Proposer's ability to perform and deliver far beyond expectation.
- **VERY GOOD (0.8):** To a high degree; better than or above competent and/or skillful.
The Proposer provided information for a given criteria that satisfied the requirements and described specifically how and what will be accomplished in such a manner that exhibited a very high degree of understanding, skill, and competency, both qualitatively and quantitatively. The facts included in the narrative (including all supporting documentation, diagrams, drawings, charts, and schedules, etc.) demonstrate the Proposer's ability to perform and deliver beyond expectation.
- **GOOD (0.6):** Having positive or desirable qualities; competent; skilled; above average.
The Proposer provided information for a given criteria that satisfied the requirements and described specifically how and what will be accomplished in such a manner that exhibited a skillful and above-average degree of understanding, skill, and competency, both qualitatively and quantitatively. The facts included in the narrative (including all supporting documentation, diagrams, drawings, charts, and schedules, etc.) demonstrate the Proposer's ability to perform and deliver at the expected level.
- **FAIR (0.4):** Average; moderate; mediocre; adequate; sufficient; satisfactory; standard.
The Proposer provided information for a given criteria that satisfied the requirements and described sufficiently how and what will be accomplished in a manner that exhibited an adequate and average degree of understanding, skill, and competency, both qualitatively and quantitatively. The facts included in the narrative (including all supporting documentation, diagrams, drawings, charts, and schedules, etc.) demonstrate the Proposer's ability to perform and deliver at a level slightly below expectation.
- **POOR (0.2):** Inadequate; lacking; inferior in quality; of little or less merit; substandard; marginal.

The Proposer provided information for a given criteria that did not satisfy the requirements and described in an inadequate manner how and what will be accomplished. The information provided simply reiterated a requirement, contained inaccurate statements or references, lacked adequate information, or was of inferior quality. The facts included in the narrative (including all supporting documentation, diagrams, drawings, charts, and schedules, etc.) demonstrate the Proposer's ability to perform and deliver at a substandard and inferior level.

- **UNACCEPTABLE (0.0):** The Proposer failed to provide any information for a given criteria, provided information that could not be understood, or did not provide the information for a given category as requested.

After a Selection Committee member has determined the description applicable for each evaluation criterion, the total points available for such criterion shall be multiplied by the factor associated with the applicable description to produce the number of points allocated for that evaluation criterion. For example, a Selection Committee member classifies the "Experience and Expertise" criterion (which shall be worth 25 points for the purpose of this example) as "Very Good" (which is a description factor multiplier of 0.8). The points that Selection Committee member allocated for that evaluation criterion would be 20, calculated as follows: 25 available points x 0.8 applicable description factor multiplier = 20 points.

A Selection Committee member's total score for each Proposal shall equal the sum of the total points allocated for each evaluation criteria.

When all Selection Committee members have completed their Proposal evaluations, the individual Selection Committee member's total scores for each Proposal will be added together to produce a final score for each Proposal.

Procurement will confirm the calculations for the final score for each Proposal. Then, Procurement shall publish a rank-ordered listing of the Proposals to the Selection Committee with the Proposal receiving the highest point as the highest-ranked Proposal.

In accordance with Section 287.055(4)(a), Florida Statutes, if there are three (3) or more Proposers in Elevation Level 2, the Selection Committee will elevate no fewer than the three highest scored of such Proposers to Elevation Level 3 for interviews. If there are only two Proposers in Elevation Level 2, the Selection Committee shall elevate those two Proposers to Elevation Level 3 for interviews. If there is only one Proposer in Elevation Level 2, then the Selection Committee may collectively decide if they would like to elevate the Proposer to Elevation Level 3 for interviews or if they would like to recommend the Board authorize staff to enter into Contract Negotiations with the Proposer. In the latter case, after Board approval to authorize staff to negotiate a contract, the Proposer will then be elevated to Elevation Level 4 for contract negotiations.

Elevation Level 3 (Proposer Interviews)

The Selection Committee may be required to conduct interviews of the Proposers that it has elevated from Elevation Level 2 to Elevation Level 3.

During an interview, elevated Proposers may be requested to make a presentation focusing on their qualifications, approach to the project and the ability to furnish the required services. The Selection Committee members will have an opportunity to inquire about any aspect of the RFP and the Proposer's Proposal. After all elevated Proposer interviews, each Selection Committee

member will individually rank the Proposers in numerical order beginning at number 1 for the Proposer deemed to be the most highly qualified to perform the required services. In accordance with Section 287.055(4)(b), Florida Statutes, in determining whether a Proposer is qualified, each Selection Committee member shall consider such factors as:

- Ability of Personnel
- Whether a Proposer is a certified minority business enterprise
- Past performance
- Willingness to meet time and budget requirements
- Location
- Recent, current, and projected workloads
- Volume of work previously awarded to each Proposer by the County

Procurement shall receive and compile each Selection Committee member's ranking of each Proposer, and then publish a rank-ordered listing of Proposers to the Selection Committee, based on the combined average rankings given each Proposer. The Selection Committee members will then collectively decide if they would like to recommend the Board, or if applicable the County manager, authorize staff to enter into Contract Negotiations with all Proposers elevated to Proposer Interviews, starting with the highest-ranked Proposer. After Board or County Manager approval, as applicable, to authorize staff to negotiate a contract, the highest-ranked Proposer will then be elevated to Elevation Level 4, Contract Negotiations.

Elevation Level 4 (Contract Negotiations)

If a Proposer is elevated to this level, the Utilities Division, with the assistance of Procurement and the County Attorney's Office, shall negotiate an Agreement with the elevated Proposer(s) in accordance with Section 287.055(5), Florida Statutes.

If after negotiating for a reasonable time period the parties cannot agree on a contract, the County shall, in its sole discretion, terminate further contract negotiations with that Proposer. Procurement shall notify the Selection Committee that contract negotiations with the elevated Proposer have terminated. The Selection Committee shall then determine whether to recommend to the Board to approve contract negotiations with the next-highest-ranked Proposer, and so on. If the Selection Committee decides not to recommend contract negotiations with the next-highest-ranked Proposer, or if the County determines there is no other Proposer with whom the County can successfully negotiate a contract, then the RFP Selection Process shall terminate.

After contract negotiations with a Proposer are successfully completed pursuant to Elevation Level 4, the Selection Committee shall recommend to the Board of County Commissioners that it selects such Proposer to provide the services as outlined in the Agreement. The Board of County Commissioners shall make the final decision whether to enter into an Agreement with a Proposer.

GENERAL CONDITIONS

CONTACT

After the issuance of any Request for Proposal, prospective proposers shall not contact, communicate with or discuss any matter relating in any way to the Request for Proposal with the Board of County Commissioners, and any employee of Polk County, other than the Procurement Director or as directed in the cover page of the Request for Proposal. This prohibition begins with the issuance of any Request for Proposal and ends upon completion execution of a contract. Such communications initiated by a proposer shall be grounds for disqualifying the offending proposer from consideration for award of the proposal and/or any future proposal.

INSURANCE REQUIREMENTS

The selected firm, if any, shall maintain, at all times, the following minimum levels of insurance and; shall, without in any way altering their liability, obtain, pay for and maintain insurance for the coverages and amounts of coverage not less than those set forth below. Provide to the County original Certificates of Insurance satisfactory to the County to evidence such coverage before any work commences. Polk County, a political subdivision of the State of Florida, shall be an additional named insured on all policies related to the project; excluding workers' compensation and professional liability. The Workers' Compensation and General Liability policies shall contain a waiver of subrogation in favor of Polk County. All insurance coverage shall be written with a company having an A.M. Best Rating of at least the "A" category and size category of VIII. The firm's self-insured retention or deductible per line of coverage shall not exceed \$25,000 without the permission of the County. In the event of any failure by the firm to comply with the provisions; the County may, at its option, on notice to the firm suspend the project for cause until there is full compliance. Alternatively, the County may purchase such insurance at the firm's expense, provided that the County shall have no obligation to do so and if the County shall do so, the firm shall not be relieved of or excused from the obligation to obtain and maintain such insurance amounts and coverages.

Worker's Compensation and Employer's Liability Insurance providing statutory benefits, including those that may be required by any applicable federal statute:

| | |
|------------------------|-----------|
| Admitted in Florida | Yes |
| Employer's Liability | \$100,000 |
| All States Endorsement | Statutory |
| Voluntary Compensation | Statutory |

Commercial General Liability Insurance. \$1,000,000 combined single limit of liability for bodily injuries, death, and property damage, and personal injury resulting from any one occurrence, including the following coverages:

Premises and Operations and Products/Completed Operations;

Broad Form Commercial General Liability Endorsement to include blanket contractual liability (specifically covering, but not limited to, the contractual obligations assumed by the Firm); Personal Injury (with employment and contractual exclusions deleted) and Broad Form Property Damage coverages.

Independent Contractors' Policy must include Separation of Insureds Clause.

Comprehensive Automobile Liability Insurance. \$1,000,000 combined single limit of liability for bodily injuries, death, and property damage, and personal injury resulting from any one occurrence, including all owned, hired and non-owned vehicles.

Professional Liability Insurance. \$5,000,000 for design errors and omissions, inclusive of defense costs. Selected firm shall be required to provide continuing Professional Liability Insurance to cover the project for a period of two (2) years after the projects are completed.

INDEMNIFICATION

To the maximum extent permitted by law, the Consultant shall indemnify, protect and hold the County, and its officers, employees and agents, harmless from and against any and all, claims, actions, causes of action, liabilities, penalties, forfeitures, damages, losses, and expenses whatsoever (including, without limitation, reasonable attorneys' fees, costs, and expenses incurred during negotiation, through litigation and all appeals therefrom) including, without limitation, those pertaining to the death of or injury to any person, or damage to any property, to the extent arising out of or resulting from (i) the failure of Consultant to comply with applicable laws, rules or regulations, (ii) the breach by Consultant of its obligations under this Agreement, (iii) any claim for trademark, patent, or copyright infringement arising out of the scope of Consultant's performance or nonperformance of this Agreement, or (iv) the negligent acts, errors or omissions, or intentional or willful misconduct, of Consultant or any persons or entities employed or utilized by Consultant in the performance of this Agreement. The obligations imposed by this Section shall survive the expiration or earlier termination of the Agreement.

PUBLIC ENTITY CRIMES STATEMENT

A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid or proposal on a contract to provide any goods or services to a public entity, may not submit a bid or proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list. By submitting this proposal, the proposer hereby certifies that they have complied with said statute.

EQUAL OPPORTUNITY/AFFIRMATIVE ACTION

The County is an equal opportunity/affirmative action employer. The County is committed to equal opportunity employment effort; and expects firms that do business with the County to have a vigorous affirmative action program.

WOMEN/MINORITY BUSINESS ENTERPRISE OUTREACH

The County hereby notifies all Proposers that W/MBEs are to be afforded a full opportunity to participate in any request for proposal by the County and will not be subject to discrimination on the basis of race, color, sex or national origin.

AFFIRMATION

By submitting their proposal, the Proposer affirms that the proposal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; the Proposer has not directly or indirectly induced or solicited any other person to submit a false or sham proposal; the Proposer has not solicited or induced any person, firm or corporation to refrain from submitting a proposal; and the Proposer has not sought by collusion to obtain for him/herself any advantage over other persons or over the County.

DEVELOPMENT COSTS

Neither the County nor its representative(s) shall be liable for any expenses incurred in connection with preparation of a response to the RFP. Proposers should prepare their proposals simply and economically, providing a straightforward and concise description of the proposer's ability to meet the requirements of the RFP.

ADDENDA

The County may record its responses to inquiries and any supplemental instructions in the form of written addenda. The addenda will be posted on the County's website at <http://www.polk-county.net/boccsite/doing-business/bids/>. It is the sole responsibility of the proposers to check the website to ensure that all available information has been received prior to submitting a proposal.

CODE OF ETHICS

If any proposer violates or is a party to a violation of the code of ethics of Polk County or the State of Florida, with respect to this proposal, such proposer may be disqualified from performing the work described in this proposal or from furnishing the goods or services for which the proposal is submitted and shall be further disqualified from bidding on any future proposals for work, goods, or services for the County.

DRUG FREE WORKPLACE

Preference shall be given to businesses with Drug Free Workplace (DFW) programs. Whenever two or more proposals, which are equal with respect to price, quality and service, are received by the County for the procurement of commodities or contractual services, a proposal received from a business that has provided a statement that it is a DFW shall be given preference in the award process.

APPLICABLE LAWS AND COURTS

This RFP and any resulting agreements shall be governed in all respects by the laws of the State of Florida and any litigation with respect thereto shall be brought only in the courts of Polk County, Florida or the United States District Court, Middle District of Florida, located in Hillsborough County, Florida. The proposer shall comply with all applicable federal, state and local laws and regulations.

CONTRACTUAL MATTERS

All contracts are subject to final approval of the Polk County Board of County Commissioners. Persons or firms who incur expenses or change position in anticipation of a contract prior to the Board's approval do so at their own risk.

PROPOSAL ACCEPTANCE PERIOD

A proposal shall be binding upon the offeror and irrevocable by it for ninety (90) calendar days following the proposal opening date. Any proposal in which offeror shortens the acceptance period may be rejected.

ADDITION/DELETION

The County reserves the right to add to or delete any item from this proposal or resulting agreements when deemed to be in the best interest of the County.

PROPRIETARY INFORMATION

In accordance with Chapter 119 of the Florida Statutes (Public Records Law), and except as may be provided by other applicable State and Federal Law, all proposers should be aware that Request for Proposals and the responses thereto are in the public domain. However, the proposers are required to identify specifically any information contained in their proposals which they consider confidential and/or proprietary and which they believe to be exempt from disclosure, citing specifically the applicable exempting law. Proposers should provide a redacted copy of proposal with submittal.

All proposals received from proposers in response to this Request for Proposal will become the property of the County and will not be returned to the proposers. In the event of contract award, all documentation produced as part of the contract will become the exclusive property of the County.

REVIEW OF PROPOSAL FILES

In accordance with Chapter 119.071 of the Florida Statutes, the responses received for this Request for Proposal are exempt from review for thirty (30) days after the Bid Opening Date or at Recommendation of Award, whichever event occurs first.

Should the RFP be cancelled and re-solicited for any reason, proposal responses shall remain exempt from disclosure for a period not to exceed twelve (12) months or at Recommendation of Award of the subsequent solicitation.

RFP PROTEST

Any proposer desiring to file a protest, with respect to a recommended award of any RFP, shall do so by filing a written protest. The written protest must be in the possession of the

Procurement Division within three (3) working days of the Notice of Recommended Award mailing date. All proposers who submitted a proposal will be sent a Notice of Recommended Award, unless only one proposal was received.

A copy of the protest procedures may be obtained from the Polk County Procurement Division or can be viewed on the County's website at <https://www.polk-county.net/business/procurement/protest-procedures/>.

FAILURE TO FOLLOW PROTEST PROCEDURE REQUIREMENTS WITHIN THE TIME FRAMES PRESCRIBED HEREIN AS ESTABLISHED BY POLK COUNTY, FLORIDA, SHALL CONSTITUTE A WAIVER OF THE PROPOSER'S RIGHT TO PROTEST AND ANY RESULTING CLAIM.

UNAUTHORIZED ALIEN(S)

The Consultant agrees that unauthorized aliens shall not be employed nor utilized in the performance of the requirements of this solicitation. The County shall consider the employment or utilization of unauthorized aliens a violation of Section 274A(e) of the Immigration and Naturalization Act (8 U.S.C. 1324a). Such violation shall be cause for unilateral termination of this Agreement by the County. As part of the response to this solicitation, the successful consultant will complete and submit the form "AFFIDAVIT CERTIFICATION IMMIGRATION LAWS."

EMPLOYMENT ELIGIBILITY VERIFICATION (E-Verify)

A. Unless otherwise defined herein, terms used in this Section which are defined in Section 448.095, Florida Statutes, as may be amended from time to time, shall have the meaning ascribed in said statute.

B. Pursuant to Section 448.095(5), Florida Statutes, the contractor hereto, and any subcontractor thereof, must register with and use the E-Verify system to verify the work authorization status of all new employees of the contractor or subcontractor. The contractor acknowledges and agrees that (i) the County and the contractor may not enter into this Agreement, and the contractor may not enter into any subcontracts hereunder, unless each party to this Agreement, and each party to any subcontracts hereunder, registers with and uses the E-Verify system; and (ii) use of the U.S. Department of Homeland Security's E-Verify System and compliance with all other terms of this Certification and Section 448.095, Fla. Stat., is an express condition of this Agreement, and the County may treat a failure to comply as a material breach of this Agreement.

C. By entering into this Agreement, the contractor becomes obligated to comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility," as amended from time to time. This includes but is not limited to utilization of the E-Verify System to verify the work authorization status of all newly hired employees, and requiring all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The contractor shall maintain a copy of such affidavit for the duration of this Agreement. Failure to comply will lead to termination of this Agreement, or if a subcontractor knowingly violates the statute or Section 448.09(1), Fla. Stat., the subcontract must be terminated immediately. If this Agreement is terminated pursuant to Section 448.095, Fla. Stat., such termination is not

a breach of contract and may not be considered as such. Any challenge to termination under this provision must be filed in the Tenth Judicial Circuit Court of Florida no later than 20 calendar days after the date of termination. If this Agreement is terminated for a violation of Section 448.095, Fla. Stat., by the contractor, the contractor may not be awarded a public contract for a period of 1 year after the date of termination. The contractor shall be liable for any additional costs incurred by the County as a result of the termination of this Agreement. Nothing in this Section shall be construed to allow intentional discrimination of any class protected by law.

LIMITATIONS

This request does not commit Polk County to award a contract. Proposers will assume all costs incurred in the preparation of their response to this RFP. The County reserves the right to: 1) accept or reject qualifications and/or proposals in part or in whole; 2) request additional qualification information; 3) limit and determine the actual contract services to be included in a contract; 4) obtain information for use in evaluating submittals from any source and 5) reject all submittals.

ATTORNEY'S FEES AND COSTS:

Each party shall be responsible for its own legal and attorney's fees, costs and expenses incurred in connection with any dispute or any litigation arising out of, or relating to this Agreement, including attorney's fees, costs and expenses incurred for any appellate or bankruptcy proceedings.

PUBLIC RECORD LAWS

(a) The Consultant acknowledges the County's obligations under Article I, Section 24, of the Florida Constitution and under Chapter 119, Florida Statutes, to release public records to members of the public upon request and comply in the handling of the materials created under this Agreement. The Consultant further acknowledges that the constitutional and statutory provisions control over the terms of this Agreement. In association with its performance pursuant to this Agreement, the Consultant shall not release or otherwise disclose the content of any documents or information that is specifically exempt from disclosure pursuant to all applicable laws.

(b) Without in any manner limiting the generality of the foregoing, to the extent applicable, the Consultant acknowledges its obligations to comply with Section 119.0701, Florida Statutes, with regard to public records, and shall:

(1) keep and maintain public records required by the County to perform the services required under this Agreement;

(2) upon request from the County's Custodian of Public Records or his/her designee, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law;

(3) ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the term of this Agreement and following completion of this Agreement if the Consultant does not transfer the records to the County; and

(4) upon completion of this Agreement, transfer, at no cost, to the County all public records in possession of the Consultant or keep and maintain public records required by the County to perform the service. If the Consultant transfers all public records to the County upon completion of this Agreement, the Consultant shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Consultant keeps and maintains public records upon completion of this Agreement, the Consultant shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the County, upon request from the County's Custodian of Public Records, in a format that is compatible with the information technology systems of the County.

(c) IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE COUNTY'S CUSTODIAN OF PUBLIC RECORDS AT:

**RECORDS MANAGEMENT LIAISON OFFICER
POLK COUNTY
330 WEST CHURCH ST
BARTOW, FL 33830
TELEPHONE: (863) 534-7527
EMAIL: RMLO@POLK-COUNTY.NET**

Scrutinized Companies and Business Operations Certification; Termination.

A. Certification(s)

(I) By its execution of this Agreement, the Vendor hereby certifies to the County that the Vendor is not on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, Florida Statutes, nor is the Vendor engaged in a boycott of Israel, nor was the Vendor on such List or engaged in such a boycott at the time it submitted its bid, proposal, quote, or other form of offer, as applicable, to the County with respect to this Agreement.

(II) Additionally, if the value of the goods or services acquired under this Agreement are greater than or equal to One Million Dollars (\$1,000,000), then the Vendor further certifies to the County as follows:

- (a) the Vendor is not on the Scrutinized Companies with Activities in Sudan List, created pursuant to Section 215.473, Florida Statutes; and
- (b) the Vendor is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Section 215.473, Florida Statutes; and

- (c) the Vendor is not engaged in business operations (as that term is defined in Florida Statutes, Section 287.135) in Cuba or Syria; and
 - (d) the Vendor was not on any of the Lists referenced in this subsection A(ii), nor engaged in business operations in Cuba or Syria when it submitted its proposal to the County concerning the subject of this Agreement.
 - (iii) The Vendor hereby acknowledges that it is fully aware of the penalties that may be imposed upon the Vendor for submitting a false certification to the County regarding the foregoing matters.
- B. Termination. In addition to any other termination rights stated herein, the County may immediately terminate this Agreement upon the occurrence of any of the following events:
- (i) The Vendor is found to have submitted a false certification to the County with respect to any of the matters set forth in subsection A(i) above, or the Vendor is found to have been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel.
 - (ii) The Vendor is found to have submitted a false certification to the County with respect to any of the matters set forth in subsection A(ii) above, or the Vendor is found to have been placed on the Scrutinized Companies with Activities in Sudan List, or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or has been engaged in business operations in Cuba or Syria, and the value of the goods or services acquired under this Agreement are greater than or equal to One Million Dollars (\$1,000,000).

Proposers Incorporation Information

(Submittal Page)

The following section should be completed by all bidders and submitted with their bid submittal:

Company Name: _____

DBA/Fictitious Name (if applicable): _____

TIN #: _____

Address: _____

City: _____

State: _____

Zip Code: _____

County: _____

Note: Company name must match legal name assigned to the TIN number. A current W9 should be submitted with your bid submittal.

Contact Person: _____

Phone Number: _____

Cell Phone Number: _____

Email Address: _____

Type of Organization (select one type)

- ☐ Sole Proprietorship
- ☐ Partnership
- ☐ Non-Profit
- ☐ Sub Chapter
- ☐ Joint Venture
- ☐ Corporation
- ☐ LLC
- ☐ LLP
- ☐ Publicly Traded
- ☐ Employee Owned

State of Incorporation: _____

The Successful vendor must complete and submit this form prior to award. The Successful vendor must invoice using the company name listed above.

EXHIBIT 1

DETAILED INSTRUCTIONS ON HOW TO PREPARE AND SEND PERFORMANCE SURVEYS

The objective of this process is to identify the past performance of the Consultant submitting a proposal package. This is accomplished by sending survey forms to past customers. The customers should return the forms directly to the Consultant. The Consultant is to include all surveys in their proposal package.

Sending the Survey

The surveys shall be sent to all clients for whom the Consultant has identified under Tab 3. Surveys should correlate to all projects identified under Tab 3.

If more surveys are included then Procurement will only use those identified under Tab 3.

1. The Consultant shall complete the following information for each customer that a survey will be sent

| Item | Description |
|------------------|---|
| CLIENT NAME | Name of the company that the work was performed for (i.e. Hillsborough County). |
| FIRST NAME | First name of the person who will answer customer satisfaction questions. |
| LAST NAME | Last name of the person who will answer customer satisfaction questions. |
| PHONE NUMBER | Current phone number for the reference (including area code). |
| EMAIL ADDRESS | Current email address for the reference. |
| PROJECT NAME | Name of the project (Engineering Services for Hillsborough County WWTF), Etc. |
| COST OF SERVICES | Cost of services (\$1,000,000) |
| DATE COMPLETE | Date when the services were completed. (i.e. 5/31/2024) |

2. The Consultant is responsible for verifying that their information is accurate prior to submission for references.

3. The survey must contain different services/projects. You cannot have multiple people evaluating the same job. However, one person may evaluate several different jobs.

4. The past projects can be either completed or on-going.

5. The past client/owner must evaluate and complete the survey.

Preparing the Surveys

1. The Consultant is responsible for sending out a performance survey to the clients that have been identified under Tab 3. The survey can be found on the next page.
2. The Consultant should enter the past clients' contact information, and project information on each survey form for each reference. The Consultant should also enter their name as the Consultant being surveyed.
3. The Consultant is responsible for ensuring all references/surveys are included in their submittal under Tab 8.
4. Polk County Procurement may contact the reference for additional information or to clarify survey data. If the reference cannot be contacted, there will be no credit given for that reference.

Survey Questionnaire – Polk County
RFP 24-551, Engineering Services for East Regional Water Production and
Wastewater Treatment Facilities

To: _____ (Name of Person completing survey)
 _____ (Name of Client Company/Contractor)
 Phone Number: _____ Email: _____
 Total Annual Budget of Entity _____
 Subject: Past Performance Survey of Similar work:
 Project name: _____
 Name of Vendor being surveyed: _____
 Cost of Services: Original Cost: _____ Ending Cost: _____
 Contract Start Date: _____ Contract End Date: _____

Rate each of the criteria on a scale of 1 to 10, with 10 representing that you were very satisfied (and would hire the Consultant /individual again) and 1 representing that you were very unsatisfied (and would never hire the Consultant /individual again). Please rate each of the criteria to the best of your knowledge. If you do not have sufficient knowledge of past performance in a particular area, leave it blank.

| NO | CRITERIA | UNIT | SCORE |
|----|--|--------|-------|
| 1 | Ability to manage cost | (1-10) | |
| 2 | Ability to maintain project schedule (complete on-time/early) | (1-10) | |
| 3 | Quality of workmanship | (1-10) | |
| 4 | Professionalism and ability to manage | (1-10) | |
| 5 | Close out process | (1-10) | |
| 6 | Ability to communicate with Client's staff | (1-10) | |
| 7 | Ability to resolve issues promptly | (1-10) | |
| 8 | Ability to follow protocol | (1-10) | |
| 9 | Ability to maintain proper documentation | (1-10) | |
| 10 | Appropriate application of technology | (1-10) | |
| 11 | Overall Client satisfaction and comfort level in hiring | (1-10) | |
| 12 | Ability to offer solid recommendations | (1-10) | |
| 13 | Ability to facilitate consensus and commitment to the plan of action among staff | (1-10) | |

Printed Name of Evaluator _____
 Signature of Evaluator: _____
 Please fax or email the completed survey to: _____

Affidavit Certification Immigration Laws

POLK COUNTY WILL NOT INTENTIONALLY AWARD COUNTY CONTRACTS TO ANY FIRM WHO KNOWINGLY EMPLOYS UNAUTHORIZED ALIEN WORKERS, CONSTITUTING A VIOLATION OF THE EMPLOYMENT PROVISIONS CONTAINED IN 8 U.S.C. SECTION 1324 A(E) {SECTION 274A(E) OF THE IMMIGRATION AND NATIONALITY ACT ("INA")}.

POLK COUNTY MAY CONSIDER THE EMPLOYMENT BY ANY FIRM OF UNAUTHORIZED ALIENS A VIOLATION OF SECTION 274A(E) OF THE INA. **SUCH VIOLATION OF THE RECIPIENT OF THE EMPLOYMENT PROVISIONS CONTAINED IN 274A(E) OF THE INA SHALL BE GROUNDS FOR UNILATERAL CANCELLATION OF THE CONTRACT BY POLK COUNTY.**

PROPOSER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name: _____

Signature: _____

Title: _____

Date: _____

State of: _____

County of: _____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization, this ____ day of _____, 20____, by _____ (*name*) as _____ (*title of officer*) of _____ (*entity name*), on behalf of the company, who ☐ is personally known to me or ☐ has produced _____ as identification.

Notary Public Signature: _____

Printed Name of Notary Public: _____

Notary Commission Number and Expiration: _____

(AFFIX NOTARY SEAL)

EMPLOYMENT ELIGIBILITY VERIFICATION (E-VERIFY) CERTIFICATION

(Florida Statutes, Section 448.095)

PROJECT NAME: RFP 24-551, Engineering Services for East Regional Water Production and Wastewater Treatment Facilities

The undersigned, as an authorized officer of the contractor identified below (the "**Consultant**"), having full knowledge of the statements contained herein, hereby certifies to Polk County, a political subdivision of the State of Florida (the "**County**"), by and on behalf of the Consultant in accordance with the requirements of Section 448.095, Florida Statutes, as related to the contract entered into by and between the Consultant and the County on or about the date hereof, whereby the Consultant will provide labor, supplies, or services to the County in exchange for salary, wages, or other remuneration (the "**Contract**"), as follows:

1. Unless otherwise defined herein, terms used in this Certification which are defined in Section 448.095, Florida Statutes, as may be amended from time to time, shall have the meaning ascribed in said statute.

2. Pursuant to Section 448.095(5), Florida Statutes, the Consultant, and any subconsultant under the Contract, must register with and use the E-Verify system to verify the work authorization status of all new employees of the Consultant or subconsultant. The Consultant acknowledges and agrees that (i) the County and the Consultant may not enter into the Contract, and the Consultant may not enter into any subcontracts thereunder, unless each party to the Contract, and each party to any subcontracts thereunder, registers with and uses the E-Verify system; and (ii) use of the U.S. Department of Homeland Security's E-Verify System and compliance with all other terms of this Certification and Section 448.095, Fla. Stat., is an express condition of the Contract, and the County may treat a failure to comply as a material breach of the Contract.

3. By entering into the Contract, the Consultant becomes obligated to comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility," as amended from time to time. This includes but is not limited to utilization of the E-Verify System to verify the work authorization status of all newly hired employees, and requiring all subconsultants to provide an affidavit attesting that the subconsultant does not employ, contract with, or subcontract with, an unauthorized alien. The Consultant shall maintain a copy of such affidavit for the duration of the Contract. Failure to comply will lead to termination of the Contract, or if a subconsultant knowingly violates the statute or Section 448.09(1), Fla. Stat., the subcontract must be terminated immediately. If the Contract is terminated pursuant to Section 448.095, Fla. Stat., such termination is not a breach of contract and may not be considered as such. Any challenge to termination under this provision must be filed in the Tenth Judicial Circuit Court of Florida no later than 20 calendar days after the date of termination. If the Contract is terminated for a violation of Section 448.095, Fla. Stat., by the Consultant, the Consultant may not be awarded a public contract for a period of 1 year after the date of termination. The Consultant shall be liable for any additional costs incurred by the County as a result of the termination of the Contract. Nothing in this Certification shall be construed to allow intentional discrimination of any class protected by law.

Executed this _____ day of _____, 20____.

ATTEST:

By: _____
PRINTED NAME: _____
Its: _____

CONSULTANT:

By: _____
PRINTED NAME: _____
Its: _____

October 4, 2024

**POLK COUNTY, A POLITICAL SUBDIVISION OF
THE STATE OF FLORIDA
ADDENDUM # 1
RFP 24-551, Engineering Services for Improvements to the East Regional
Water Production and Wastewater Treatment Facilities**

This addendum is issued to clarify, add to, revise and/or delete items of the Bid Document for this work. This Addendum is a part of the RFP Document and acknowledgment of its receipt shall be noted on the Addendum.

Contained within this addendum: Time extension, Revisions, Questions and answers.

The RFP Receiving Date has been extended one (1) week. The revised RFP Receiving Date is Wednesday, October 23, 2024, prior to 2:00 p.m.

The date to submit questions in writing regarding this RFP has been extended one (1) week. The revised date to submit questions is by 4:00 p.m., Monday, October 14, 2024.

Respectfully,

Ari Goldstein

Ari Goldstein
Senior Procurement Analyst
Procurement Division

**This Addendum sheet should be signed and submitted with your
bid submittal. This is the only acknowledgment required.**

Signature: _____
Printed Name: _____
Title: _____
Company: _____

RFP 24-551, Engineering Services for Improvements to the East Regional Water Production and Wastewater Treatment Facilities

Addendum #1

REVISIONS

1: DELETE IN ITS ENTIRETY: Tab 3 – Experience, Expertise, Personnel & Technical Resources, Bullet Point 1:

- Provide a minimum of three (3) and a maximum of five (5) recent projects performed within the past ten (10) years as the prime firm performing the engineering services for water production or wastewater treatment facilities of similar size and scope. (Limit response to one (1) page per project)

REPLACE WITH:

- **Provide a minimum of three (3) and maximum of seven (7) recent projects performed within the past ten (10) years as the prime firm performing the engineering services for water production or wastewater treatment facilities of similar size and scope. (Limit response to one (1) page per project)**

2: DELETE IN ITS ENTIRETY: Tab 2 –Approach to Project (35 Points)
(Maximum of four (4) pages) – (Header Only)

REPLACE WITH: Tab 2 –Approach to Project (35 Points)
(Maximum of six (6) pages) – (Header Only)

3: DELETE IN ITS ENTIRETY: Elevation Level 3 (Proposers Interviews)

REPLACE WITH: Elevation Level 3 (Proposers Interviews)

The Selection Committee may be required to conduct interviews of the Proposers that it has elevated from Elevation Level 2 to Elevation Level 3.

During an interview, elevated Proposers may be requested to make a presentation focusing on their qualifications, approach to the project and the ability to furnish the required services. The Selection Committee members will have an opportunity to inquire about any aspect of the RFP and the Proposer's Proposal. After all elevated Proposer interviews, the Selection Committee will evaluate both of the Projects identified in the Scope of Services above and rank each elevated Proposer for each of the 2 total Projects.

Starting with Project #1, each Selection Committee member will individually rank the Proposers in numerical order beginning at number 1 for the Proposer deemed to be the

most highly qualified to perform the required services for that specific project. In accordance with Section 287.055(4)(b), Florida Statutes, in determining whether a Proposer is qualified to perform the individual project services, each Selection Committee member shall consider such factors as:

- Ability of Personnel
- Past performance
- Willingness to meet time and budget requirements
- Recent, current, and projected workloads

Procurement shall receive and compile each Selection Committee member's ranking of each elevated Proposer for Project #1, and then publish rank-ordered listing of Proposers for Project #1 to the Selection Committee, based on the combined average rankings given each Proposer for Project #1. Procurement will then compile each Selection Committee members' ranking of each elevated Proposer for Project #2, and then publish rank-ordered listing of Proposers for Project #2 to the Selection Committee, based on the combined average rankings given each Proposer for Project #2.

Once both Projects have been evaluated and the Proposers are ranked for each Project, the Selection Committee members will then collectively decide if they would like to recommend the Board authorize staff to enter into Contract Negotiations with each of the Proposers to negotiate an agreement for each Project, starting with the highest-ranked Proposer for each Project. After the Board grants approval to authorize staff to negotiate individual agreement(s), said Proposer(s) will then be elevated to Elevation Level 4 for contract negotiations.

In the event of a tie, bids may be awarded to one of the proposers based on any of the following criteria listed below, or as otherwise directed by the Procurement Director to comply with all the provisions of the procurement ordinance.

- Availability or completion period;
- Service availability;
- Previous Consultant record by the Consultants on similar projects or requirements.

QUESTIONS AND ANSWERS:

Question 1: Would the County consider extending the deadline for response to RFP 24-551 from October 16, 2024, to October 23, 2024?

Answer 1: Yes. Please refer to the time extension on page 1 of this addendum.

Question 2: Can firms provide more than the three to five projects under Tab 3 to be able to better represent recent projects at both water production and wastewater treatment facilities?

Answer 2: Yes. Refer to Revisions Item #1 above for the new project amounts that can be submitted under Tab 3.

Question 3: Will environmental due diligence be necessary for land acquisition?

Answer 3: It may be necessary for the selected firms to perform environmental due diligence assessments as part of land acquisition.

Question 4: What are the total budgets for the water production facility project and the wastewater production facility project?

Answer 4: The estimated total budget for the East Regional Water Production Facility project is \$10 million. The estimated total budget for the East Regional Wastewater Treatment Facility project is \$50 million.

Question 5: Is there consideration to expand the size of the WWTF?

Answer 5: No. The County anticipates the flow at the WWTF will not exceed 1.5 million gallons daily (MGD) over the next 20 years.

Question 6: Will all project work take place only inclusive of the project sites or will work need to be done beyond the designated project site for these projects?

Answer 6: Based on the information found in the ERUSA Master Plan (Attachment "A" to this RFP package), transmission system improvements are identified as developer driven. Therefore, a majority of the work will be within the project sites.

Question 7: Are there any federal funds allocated towards these projects?

Answer 7: No.

Question 8: Is there known PFAS contamination in the wastewater in this area?

Answer 8: No.

Question 9: Is there a plan to build for reclaimed water to be available in the area?

Answer 9: Not at this time. The County is approaching the East Regional utility service area different than the northeast area of the county where reclaimed was expanded. The approach in the east region is to encourage water conservation as much as possible with the new developments and for the treated wastewater to be used for other purposes.

Question 10: Is the County considering an alternative wastewater treatment technologies for the WWTF?

Answer 10: Generally, the County is interested in standardizing treatment technologies across WWTFs. However, a cost-benefit analysis of alternative technologies may be appropriate in the preliminary design phase of the project.

Question 11: Will the WWTF be required to meet Advanced Wastewater Treatment (AWT) standards?

Answer 11: The proposed WWTF is located within the Lake Okeechobee Basin Management Action Plan area, which is likely to require to meeting AWT standards.

Question 12: The RFP says the length of the agreement is estimated to be only 3 years. Will this be extended if necessary?

Answer 12: The agreement term will be through the completion of the construction project. The actual term of the agreement will be negotiated with the awarded firm as part of the Selection Process, Elevation Level 4, Contract Negotiations.

Question 13: Does the County prefer to bid this construction out to a Construction Manager at Risk or as a conventional construction bid?

Answer 13: As stated in the RFP package, it is the Utilities Division's intent to either bid the construction projects individually, together, or anticipate using a Construction Manager at-Risk (CM at Risk) procurement method for construction services. No decision has been made at this time.

Question 14: Is there sampling information available on the area water and wastewater?

Answer 14: Most of the flow that will be treated at the WWTF does not yet exist (i.e. will serve future development). Therefore, the WWTF will be designed to treat typical wastewater characteristics from new development.

Question 15: If we provide more than three projects in Tab 3, are we required to provide a "Survey of Past Performance" for each project beyond the three?

Answer 15: Yes. Proposers should provide a survey for each reference given. Providing a reference without a survey will negatively impact your score for Tab 8.

Question 16: Please confirm, as in past submittals for the County, the schedule is excluded from the page count in Tab 2.

Answer 16: The project schedule requested under Tab 2 is excluded from the page count in Tab 2.

Question 17: Due to the expanded requirements in Tab 2 and the RFP covering two separate projects, we would like to request two additional pages be added to the page count.

Answer 17: Refer to Revisions, Item #2 above.

Question 18: Are we permitted to use 11x17 pages for the org chart and schedule?

Answer 18: Yes.

Question 19: Due to the effect of Hurricane Helene, would the County consider granting a one-week extension to the RFP proposal due date?

Answer 19: Yes. Please refer to the time extension on page 1 of this addendum.

Question 20: Regarding the two scope projects for the ERUSA Water Production Facility and ERUSA Wastewater Treatment Facility, page 6 of the RFP states, "It is the intent of the County to select and negotiate a Consulting Agreement with one (1) firm for each project defined in the scope of services." Should two sets of qualifications be submitted for each of the two projects, including two approaches, two project teams, two sets of reference projects and surveys (3 to 5 water facility projects, and 3 to 5 wastewater treatment facility projects)?

Answer 20: Proposers should submit one proposal for this RFP. Proposers may identify the specific project(s) they are interested in under Tab 2, Approach to Project, however, information submitted under Tab 2 should focus on the overall approach to the project as described in the Scope of Services section of this RFP. Following submittal of the proposals, the selection committee will score the proposals and create a single ranking. This ranking will be used to elevate proposers to interviews.

Per Revisions, Item #3 above, following the interviews, the selection committee will create two separate rankings for the two projects listed in the RFP.

Question 21: Can firms submit qualifications for only one project—the ERUSA Water Production Facility or the ERUSA Wastewater Treatment Facility?

Answer 21: Refer to Question and Answer #20 above.

October 15, 2024

**POLK COUNTY, A POLITICAL SUBDIVISION OF
THE STATE OF FLORIDA
ADDENDUM # 2
RFP 24-551, Engineering Services for Improvements to the East Regional
Water Production and Wastewater Treatment Facilities**

This addendum is issued to clarify, add to, revise and/or delete items of the Bid Document for this work. This Addendum is a part of the RFP Document and acknowledgment of its receipt shall be noted on the Addendum.

Contained within this addendum: Time extension, Questions and answers.

The RFP Receiving Date has been extended one (1) week. The revised RFP Receiving Date is Wednesday, October 30, 2024, prior to 2:00 p.m.

To receive a copy of **RFP 24-551 Appendix “A” 2023 ERUSA Master Plan Update, Appendix “B” NERWWTF Preliminary Design Report Phases A through D, and Appendix “C” ERUSA AWS Receiving Facility PDR Draft**, please go to the following FTP site: <https://ftp3.polk-county.net>, and you will be prompted for a User ID and Password. The User ID is *procurevendor* and the password is *solicitation*. After you have logged in to the FTP site, double click on the file folder **“RFP 24-551 Appendices to the RFP.zip”**, select “Open” or “Save As” to download Appendices “A”, “B”, and “C”. If you need assistance accessing this website due to ADA or any other reason, please email Ari Goldstein at arigoldstein@polk-county.net.

Respectfully,

Ari Goldstein

Ari Goldstein
Senior Procurement Analyst
Procurement Division

**This Addendum sheet should be signed and submitted with your
bid submittal. This is the only acknowledgment required.**

Signature: _____
Printed Name: _____
Title: _____
Company: _____

RFP 24-551, Engineering Services for Improvements to the East Regional Water Production and Wastewater Treatment Facilities Addendum #2

QUESTIONS AND ANSWERS:

Question 1: Who are the members of the selection committee?

Answer 1: The anticipated members of the selection committee are James Tully, Jason Jennings, Jeff Goolsby, Ryan Bengsch, and Darrell Johnson.

Question 2: In the pre-proposal meeting, reference was made to PCU's desire for standardization and that the new East Regional Wastewater Treatment Facility (WWTF) could be configured like the current expansion and upgrade to the Northeast Regional (NER) WWTF. Please provide the preliminary design report for the expansion and upgrade to the NERWWTF.

Answer 2: Appendix "B", NERWWTF Preliminary Design Report Phases A through D has been added to the RFP. Refer to page 1 of this addendum for directions on how to download a copy of the report.

Question 3: The Utility Master Plan for the ERUSA references on-going work related to modifications to the ERUSA water use permit (WUP). What is the status of the WUP work and who is providing these services to the County?

Answer 3: Polk County Utilities is preparing a Consultant Services Authorization agreement with Dewberry Engineers, Inc. to modify the WUP.

Question 4: Please provide plans and/or design reports for the PRWC receiving facilities for the ERUSA.

Answer 4: Appendix "C", ERUSA AWS Receiving Facility PDR Draft has been added to the RFP. Refer to page 1 of this addendum for directions on how to download a copy of this report.

Question 5: Hurricane Milton will likely have a big impact on central Florida. Would the County be willing to grant an additional week to respond to the RFP?

Answer 5: Yes. Refer to page 1 of this addendum.

Question 6: Given the nature of the RFP, which includes two distinct projects, would it be acceptable to include a project or projects from a subconsultant in Tab 3 of our response?

Answer 6: No. Projects submitted under Tab 3 must be those in which the proposers were the prime firm performing the engineering services.

Question 7: Will the County extend this RFP due date due to Hurricane Milton?

Answer 7: Yes. Refer to page 1 of this addendum.

Question 8: Is it the County's intent to eventually direct flows currently going to TOHO to the new East WWTF?

Answer 8: Yes.

Question 9: Will dewatered biosolids be disposed of via landfilling?

Answer 9: Yes.

Executive Summary

The Carollo team is eager to assist Polk County (PCU) with the planning, design and construction of a new water production facility (WPF) and wastewater treatment facility (WWTF) for the growing East Regional Utility Service Area (ERUSA). Among many benefits, the Carollo team brings a comprehensive understanding of the County and a commitment to collaboration; a source of innovative solutions for water and wastewater treatment challenges; and an experienced staff that can engineer facilities that are cost-effective to build, operate and maintain.

At Carollo Water is All We Do

Founded in 1933, Carollo Engineers, Inc., is one of the largest engineering firms in the United States dedicated solely to water and wastewater engineering—it's all we do.

This targeted expertise allows us to focus on developing best-value, innovative, and reliable solutions to help our clients protect public health and achieve their service goals. It also results in the recruitment of the brightest minds in the industry, a staff trained on issues impacting water and wastewater infrastructure, and pioneering ideas tailored to the specific needs of each client and project.

Carollo has been 100% focused on water solutions for over 91 years. Our reputation is based upon client service and a continual commitment to quality. We currently maintain 50+ offices in North America, including our eight Florida offices (Jacksonville, Orlando, Tampa, Sarasota, Fort Myers, Coral Springs, Miami, and Palm Beach).

Carollo is a full-service firm that specializes solely in the planning, design, permitting, and construction of water and wastewater systems.

1a. Company Name

Carollo Engineers, Inc.

1a. Address

200 E. Robinson Street, Suite 1400
Orlando, FL 32801

P: 407-478-4642

Contact: Vic Godlewski, PE,
vicgodlewski@carollo.com

1b. Number of Years in Business as the Same Company/Firm

14 years as Carollo Engineers, Inc.
(A Delaware corporation)

1c. Number of Employees

1,586 Total

1,407 Full-time

142 Total in Florida

We optimize our work for project success with key benefits to you:



Client Understanding. Carollo has been serving Polk County Utilities (PCU) for the past eight years. We have a good rapport with PCU management and operations staff, and we understand well the many aspects of the County's utility infrastructure. Carollo recently completed the conceptual improvements to the Northwest Regional Wastewater Treatment Facility and Southwest Regional Wastewater Treatment Facility, and we are in project closeout for the new Gibson Oaks Water Production Facility. Among Carollo's other recent County projects are the new Cherry Hill Water Production Facility and Direct Potable Reuse Pilot, Advanced Metering Infrastructure (AMI) project, and the Comprehensive Operational Technology Plan or SCADA Master Plan.

Carollo understands that Polk County has a broad range of needs to be met. We are responsive to the needs of our clients, using innovative ideas to customize solutions to fit their needs (no cookie-cutter approach). In our past approaches with your projects we have sought to create a collaborative environment, listening to your thoughts and ideas and incorporating them into your projects.



Water and Wastewater Treatment Experience. Carollo has designed new or improved facilities for more than 300 water reclamation and wastewater treatment plants ranging in size from less than 1-mgd to more than 450-mgd. In addition, Carollo has designed water treatment technologies that span from tried-and-true conventional treatment to advanced treatment. Many of Carollo's projects have been award-winning, comprehensive designs for agencies facing complex issues.

Carollo's commitment to innovation and solving complex water quality problems is demonstrated by the formation of our Research and Development Group and a R&D lab referred to as Water ARC®. Water ARC® is more than a research laboratory, it is a resource to our clients for treatability studies and pilot scale plant planning, assembly and monitoring. **Carollo's Water ARC® experts have been instrumental in PCU's direct potable reuse pilot project.**



Florida Team, National Expertise. Carollo's Florida offices offer a valuable and comprehensive blend of talent, with over 140 Florida staff ranging from engineers-in-training to senior designers to nationally recognized experts. Our local Orlando, Tampa, and Sarasota offices provide depth of expertise in the items requested in this RFP, including water and wastewater treatment, asset management, planning/modeling, facilities operation, and permitting. The proposed team, shown in the organization chart, maintains a sound understanding of issues of local importance. The people on the organizational chart are the people who will work on your project. The team is supported by national-level experts who are available as needed for your specialized projects.



Comprehensive Team. We have assembled a comprehensive team of experienced and qualified professionals. The assigned Carollo staff and our subconsultant team members, having successfully completed similar projects in scope and magnitude, will bring their experience and lessons learned to deliver a successful project to the County.

The organization chart has been carefully assembled to provide the resources to concurrently design both the WPF and the WWTF. During the planning phase, both facility planning leads (Erica Stone and Andrew Gilmore) will work together and with the respective PCU project manager(s) to identify suitable sites for locating the new facilities and identify efficiencies to help streamline the planning and conceptual design steps. Our preliminary and final design teams have been assembled to ensure we can efficiently meet the design schedule and budget for each facility. The same team, under the leadership of our respective project managers, will continue through bidding, construction, and facility start-up, commissioning, and project close-out phases

In keeping with Carollo's commitment to support locally based and minority/women owned businesses, our teaming partners include five Polk County based firms and six firms that are women or minority-owned businesses.

With this submittal, we provide our commitment and desire to continue to work with PCU. We will work hard and enthusiastically to provide quality, responsive engineering services for both the WPF and WWTF. With our growing local team and national level expertise, we are committing our culture to the County, working as one team and delivering results. We are fully committed to performing the proposed services according to the requirements noted in the RFP. We look forward to working with you.

Sincerely,

CAROLLO ENGINEERS, INC

Victor Godlewski, PE
Principal-in-Charge
Vice President

Jeremy O'Neal, PE
Project Manager
Associate

Sudhan Paranjape, PE
Project Manager
Vice President

1.d Certificate of Incorporation

State of Florida Department of State

I certify from the records of this office that CAROLLO ENGINEERS, INC. is a Delaware corporation authorized to transact business in the State of Florida, qualified on May 25, 2000.

The document number of this corporation is F00000003055.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on February 14, 2024, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Fifteenth day of February,
2024*



[Signature]
Secretary of State

Tracking Number: 3267143936CU

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

1.e Carollo Engineers License

Licensee

| | | | |
|-----------------|--------------------------------|--------------------------|-------------------|
| Name: | CAROLLO ENGINEERS, INC. | License Number: | 8571 |
| Rank: | Registry | License Expiration Date: | |
| Primary Status: | Current | Original License Date: | 06/26/2000 |

Related License Information

| License Number | Status | Related Party | Relationship Type | Relation Effective Date | Rank | Expiration Date |
|----------------|-----------------|---------------------|-------------------|-------------------------|-----------------------|-----------------|
| 65401 | Current, Active | BAUMBERGER, LAURA B | Registry | | Professional Engineer | 02/28/2025 |

1f.a

Proposers Incorporation Information

(Submittal Page)

The following section should be completed by all bidders and submitted with their bid submittal:

Company Name: Carollo Engineers, Inc.

DBA/Fictitious Name (if applicable): N/A

TIN #: 86-0899222

Address: 200 East Robinson Street, Suite 1400

City: Orlando

State: Florida

Zip Code: 32801

County: Orange County

Note: Company name must match legal name assigned to the TIN number. A current W9 should be submitted with your bid submittal.

Contact Person: Victor Godlewski

Phone Number: 407-478-4642

Cell Phone Number: 407-478-4642

Email Address: vgodlewski@carollo.com

Type of Organization (select one type)

- ☐ Sole Proprietorship
- ☐ Partnership
- ☐ Non-Profit
- ☐ Sub Chapter
- ☐ Joint Venture
- ☒ Corporation
- ☐ LLC
- ☐ LLP
- ☐ Publicly Traded
- ☐ Employee Owned

State of Incorporation: Delaware

The Successful vendor must complete and submit this form prior to award. The Successful vendor must invoice using the company name listed above.

1f.a

| | | |
|---|--|--|
| Form W-9 (Rev. March 2024) Department of the Treasury Internal Revenue Service | Request for Taxpayer Identification Number and Certification Go to www.irs.gov/FormW9 for instructions and the latest information. | Give form to the requester. Do not send to the IRS. |
|---|--|--|

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

| | | |
|--|--|--|
| Print or type. See Specific Instructions on page 3. | 1 Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.) Carollo Engineers, Inc | |
| | 2 Business name/disregarded entity name, if different from above. | |
| | 3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C corporation <input checked="" type="checkbox"/> S corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) _____ | 4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) _____ (Applies to accounts maintained outside the United States.) |
| | 3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions <input type="checkbox"/> | |
| | 5 Address (number, street, and apt. or suite no.). See instructions. 2795 Mitchell Drive 6 City, state, and ZIP code Walnut Creek, CA 94598-1601 7 List account number(s) here (optional) | Requester's name and address (optional) |

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

| | | | | | | | | | |
|---------------------------------------|---|--|---|---|---|---|---|---|---|
| Social security number | | | | | | | | | |
| | | | - | | | | | | |
| or | | | | | | | | | |
| Employer identification number | | | | | | | | | |
| 8 | 6 | | - | 0 | 8 | 9 | 9 | 2 | 2 |

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

| | | | |
|------------------|--|--|-------------|
| Sign Here | Signature of U.S. person Connie Barney | Digitally signed by Connie Barney Date: 2024.04.03 15:53:24 -07'00' | Date |
|------------------|--|--|-------------|

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they

1f.b

Affidavit Certification Immigration Laws

POLK COUNTY WILL NOT INTENTIONALLY AWARD COUNTY CONTRACTS TO ANY FIRM WHO KNOWINGLY EMPLOYS UNAUTHORIZED ALIEN WORKERS, CONSTITUTING A VIOLATION OF THE EMPLOYMENT PROVISIONS CONTAINED IN 8 U.S.C. SECTION 1324 A(E) {SECTION 274A(E) OF THE IMMIGRATION AND NATIONALITY ACT ("INA")}.

POLK COUNTY MAY CONSIDER THE EMPLOYMENT BY ANY FIRM OF UNAUTHORIZED ALIENS A VIOLATION OF SECTION 274A(E) OF THE INA. **SUCH VIOLATION OF THE RECIPIENT OF THE EMPLOYMENT PROVISIONS CONTAINED IN 274A(E) OF THE INA SHALL BE GROUNDS FOR UNILATERAL CANCELLATION OF THE CONTRACT BY POLK COUNTY.**

PROPOSER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name: Carollo Engineers, Inc.

Signature: Victor Godlewski

Title: Vice President

Date: 7/31/2024

State of: Florida

County of: Sarasota

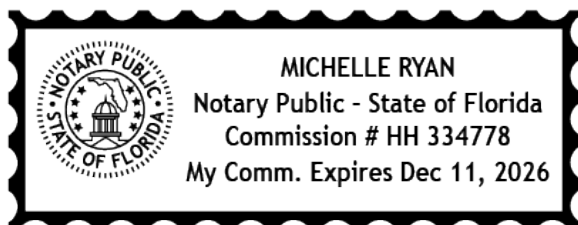
The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☒ online notarization, this 31 day of July, 2024, by Victor Godlewski (name) as Vice President (title of officer) of Carollo Engineers, Inc. (entity name), on behalf of the company, who ☒ is personally known to me or ☐ has produced _____ as identification.

Notary Public Signature: Michelle Ryan

Printed Name of Notary Public: Michelle Ryan

Notary Commission Number and Expiration: HH 334778 12/11/2026

(AFFIX NOTARY SEAL)



Completed via Remote Online Notarization using 2 way Audio/Video technology.

1f.c

EMPLOYMENT ELIGIBILITY VERIFICATION (E-VERIFY) CERTIFICATION

(Florida Statutes, Section 448.095)

PROJECT NAME: RFP 24-552, Engineering Services for Improvements to the Northwest and Southwest Regional Wastewater Treatment Facilities

The undersigned, as an authorized officer of the contractor identified below (the "**Consultant**"), having full knowledge of the statements contained herein, hereby certifies to Polk County, a political subdivision of the State of Florida (the "**County**"), by and on behalf of the Consultant in accordance with the requirements of Section 448.095, Florida Statutes, as related to the contract entered into by and between the Consultant and the County on or about the date hereof, whereby the Consultant will provide labor, supplies, or services to the County in exchange for salary, wages, or other remuneration (the "**Contract**"), as follows:

1. Unless otherwise defined herein, terms used in this Certification which are defined in Section 448.095, Florida Statutes, as may be amended from time to time, shall have the meaning ascribed in said statute.

2. Pursuant to Section 448.095(5), Florida Statutes, the Consultant, and any subconsultant under the Contract, must register with and use the E-Verify system to verify the work authorization status of all new employees of the Consultant or subconsultant. The Consultant acknowledges and agrees that (i) the County and the Consultant may not enter into the Contract, and the Consultant may not enter into any subcontracts thereunder, unless each party to the Contract, and each party to any subcontracts thereunder, registers with and uses the E-Verify system; and (ii) use of the U.S. Department of Homeland Security's E-Verify System and compliance with all other terms of this Certification and Section 448.095, Fla. Stat., is an express condition of the Contract, and the County may treat a failure to comply as a material breach of the Contract.

3. By entering into the Contract, the Consultant becomes obligated to comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility," as amended from time to time. This includes but is not limited to utilization of the E-Verify System to verify the work authorization status of all newly hired employees, and requiring all subconsultants to provide an affidavit attesting that the subconsultant does not employ, contract with, or subcontract with, an unauthorized alien. The Consultant shall maintain a copy of such affidavit for the duration of the Contract. Failure to comply will lead to termination of the Contract, or if a subconsultant knowingly violates the statute or Section 448.09(1), Fla. Stat., the subcontract must be terminated immediately. If the Contract is terminated pursuant to Section 448.095, Fla. Stat., such termination is not a breach of contract and may not be considered as such. Any challenge to termination under this provision must be filed in the Tenth Judicial Circuit Court of Florida no later than 20 calendar days after the date of termination. If the Contract is terminated for a violation of Section 448.095, Fla. Stat., by the Consultant, the Consultant may not be awarded a public contract for a period of 1 year after the date of termination. The Consultant shall be liable for any additional costs incurred by the County as a result of the termination of the Contract. Nothing in this Certification shall be construed to allow intentional discrimination of any class protected by law.

Executed this 31 day of July, 2024.

ATTEST:

By: Michelle Ryan
 PRINTED NAME: Michelle Ryan
 Its: Notary/Office Administrator

CONSULTANT:

By: Victor Godlewski
 PRINTED NAME: Victor Godlewski
 Its: Vice President

1f.d

October 4, 2024

**POLK COUNTY, A POLITICAL SUBDIVISION OF
THE STATE OF FLORIDA
ADDENDUM # 1**

**RFP 24-551, Engineering Services for Improvements to the East Regional
Water Production and Wastewater Treatment Facilities**

This addendum is issued to clarify, add to, revise and/or delete items of the Bid Document for this work. This Addendum is a part of the RFP Document and acknowledgment of its receipt shall be noted on the Addendum.

Contained within this addendum: Time extension, Revisions, Questions and answers.

The RFP Receiving Date has been extended one (1) week. The revised RFP Receiving Date is Wednesday, October 23, 2024, prior to 2:00 p.m.

The date to submit questions in writing regarding this RFP has been extended one (1) week. The revised date to submit questions is by 4:00 p.m., Monday, October 14, 2024.

Respectfully,

Ari Goldstein

Ari Goldstein
Senior Procurement Analyst
Procurement Division

**This Addendum sheet should be signed and submitted with your
bid submittal. This is the only acknowledgment required.**

Signature:



Printed Name:

Victor Godlewski, PE

Title:

Vice President

Company:

Carollo Engineers, Inc.

1f.d

October 15, 2024

**POLK COUNTY, A POLITICAL SUBDIVISION OF
THE STATE OF FLORIDA
ADDENDUM # 2**

**RFP 24-551, Engineering Services for Improvements to the East Regional
Water Production and Wastewater Treatment Facilities**

This addendum is issued to clarify, add to, revise and/or delete items of the Bid Document for this work. This Addendum is a part of the RFP Document and acknowledgment of its receipt shall be noted on the Addendum.

Contained within this addendum: Time extension, Questions and answers.

The RFP Receiving Date has been extended one (1) week. The revised RFP Receiving Date is Wednesday, October 30, 2024, prior to 2:00 p.m.

To receive a copy of **RFP 24-551 Appendix "A" 2023 ERUSA Master Plan Update, Appendix "B" NERWWTF Preliminary Design Report Phases A through D, and Appendix "C" ERUSA AWS Receiving Facility PDR Draft**, please go to the following FTP site: <https://ftp3.polk-county.net>, and you will be prompted for a User ID and Password. The User ID is *procurevendor* and the password is *solicitation*. After you have logged in to the FTP site, double click on the file folder "**RFP 24-551 Appendices to the RFP.zip**", select "Open" or "Save As" to download Appendices "A", "B", and "C". If you need assistance accessing this website due to ADA or any other reason, please email Ari Goldstein at arigoldstein@polk-county.net.

Respectfully,

Ari Goldstein

Ari Goldstein

Senior Procurement Analyst

Procurement Division

**This Addendum sheet should be signed and submitted with your
bid submittal. This is the only acknowledgment required.**

Signature:



Printed Name:

Victor Godlewski, PE

Title:

Vice President

Company:

Carollo Engineers, Inc.

Approach to Project

The Carollo team's approach is focused on collaboration, creativity, and responsiveness to deliver a successful project within your budget and your established schedule, and to the satisfaction of all stakeholders. We will achieve this goal through **comprehensive planning, design excellence, and clear communication.**

Project Approach and Management



Conceptual 3D Rendering of the new Water Production Facility for the East Service Area

This project involves professional engineering services for planning and conceptual design, preliminary design and final design, permitting, and engineering support during bidding and construction for new water production and wastewater treatment facilities to serve the East Regional Utility Service Area (ERUSA).

Project understanding is key to effective project management. Our project approach and management will be based on a strong understanding of each project's scope, schedule, and potential challenges. This will help us to break down each task and subtasks, assign resources and identify deliverables. The paragraphs below describe an anticipated detailed scope for each new facility and provide a work breakdown for efficient project management.

New Water Production Facility

Based on the ERUSA Master Plan (ERUSA MP) prepared for PCU, the new water production facility (WPF), located in the Poinciana area, will have an initial capacity of 1.3-million gallons per day (mgd) on an annual average day flow (AADF) basis to satisfy the year 2045 potable water demands of the ERUSA. The year 2060 demands are projected to be around 2.1-mgd, AADF, and the facility will need to be expanded as necessary in the future to meet the additional demands. The new WPF be required to meet the Safe Drinking Water Act's Groundwater Rule for 4-log virus inactivation, lead & copper rule, and the newly enacted removal of PFAS (if detected in the source water). Carollo owns and operates a full service research center, WaterArc® where we can assist with source characterization and treatability studies to meet current and potential future regulations.

The new WPF will be comprised of the following elements at a minimum, depending on the raw water quality:

- Appropriate number of ground water wells with well pumps and raw water piping.

- 1.2-million-gallon (MG) prestressed concrete storage tanks with tray aerators on a concrete dome and aluminum stairway access.
- Chemical facilities including storage of sodium hypochlorite, and corrosion inhibitor (as necessary).
- High service pumps including jockey pumps, and hydropneumatic tank (as required),
- Back-up generator and communication tower using VT SCADA.
- Supporting infrastructure would include a combination of administration/high service pump building with electrical room to house the electrical gear.
- Finished potable water discharge piping with flow and pressure measurement.
- Stormwater management.
- Site access road and site security.

The treated water from this new WPF will be blended with treated water from the Polk Regional Water Cooperative (PRWC) and Water Cooperative of Central Florida (WCCF) Alternative Water Supply (AWS) projects to serve the ERUSA.

Test Production Well for the New WPF

The test production well can be designed based on the attributes of PCU's existing wells (e.g. casing size and depth and open hole size and depth). Once the County has purchased a site for the well(s), the test well can be constructed. Step drawdown testing will allow selection of design capacity based on tolerable drawdown. After acceptable well development, water quality testing will be done. This data will be important for final design of the WPF. During well development and testing the water produced by the well must be managed to avoid adverse impacts. A back-up plan will be developed to address the unlikely event that the initial well is deemed unacceptable.

New Wastewater Treatment Facility

Based on the ERUSA MP, the new wastewater treatment facility (WWTF), will be in the Lake Okeechobee Basin Management Action Plan (BMAP) area and will be required to meet Florida Advanced Wastewater Treatment (AWT) standards. The WWTF will have an initial capacity of 1.5-mgd on an AADF basis. The new WWTF will be comprised of the following elements at a minimum:

- Influent wastewater piping and flow measurement.
- Headworks with mechanical bar screen and grit removal.
- Flow equalization tank with pump station.
- 5-stage Bardenpho activated sludge process (oxidation ditch, clarifiers, RAS/WAS pumping).
- Tertiary filtration and disinfection.
- Chemical facilities for disinfection (sodium hypochlorite) and phosphorus removal (alum/ ferric chloride), and supplemental carbon to achieve TN < 3mg/L (if necessary).
- Effluent transfer pumping and reclaimed water storage (if needed).
- Biosolids storage, stabilization, mixing, and dewatering.
- Backup generator and communication tower (VT SCADA).
- Redundant servers, and instrumentation to PCU standards.
- Admin, electrical, and maintenance buildings.
- Closed transition switchgear, ATS, flywheel for providing emergency power during power outage.
- RIBs for effluent disposal and wet-weather management.
- Stormwater management and access road.

Planning and Design Considerations

Carollo's approach for this project is based on identifying cost-effective solutions and innovative ideas. Developing well thought out facility site plans during the initial planning phase will allow Carollo to find efficiencies that will reduce cost to PCU and provide groundwork for a concise design delivery.

Site Acquisition, Conceptual Planning and Design

The first task will be to assist PCU with identifying the potential sites for acquisition and conceptual planning and design of the new WPF and new WWTF. Our goal is for PCU to purchase property with confidence that the selected sites will support the desired use. This task may include the following subtasks and supporting services, at a minimum:

- Identify land parcels near proposed WPF and WWTF locations (ERUSA MP).
- Research zoning and regulations.
- Conduct site and ROW surveys.
- Perform environmental assessments (Phase 1 & 2), wildlife survey, wetlands delineation, and tree surveys (if needed).
- **Standardization workshop with PCU Planning, O&M, and project teams to align new facilities with PCU standards.**
- Review potable water demands, system routing, and hydraulics.
- Review wastewater system demands, collection routing, and hydraulics.
- Evaluate alternative treatment technologies and cost-benefit analysis.
- Prepare conceptual layouts and planning-level costs.
- Establish ROWs for utilities (pipelines, gas, electrical, fiber, etc.).
- Conduct geotechnical investigations and foundation recommendations.
- Perform percolation tests for RIBs and model their performance.
- Assist PCU with public engagement/ hearings related to land use change.
- Assist PCU in obtaining special zoning exceptions for WPF, WWTF, RIBs, and wells.

Preliminary Design - Establish Design Criteria, O&M Accommodations and Resiliency Review

During the preliminary design, Carollo will establish the design criteria for current and future phases, review O&M features and discuss PCU preferences, and perform resiliency review for each phase for the new WPF and WWTF. This task will include the following subtasks and supporting services, at a minimum:

- Assist with procuring a well contractor to drill a test well and collect samples of ground water for the proposed new WPF and establish raw water quality.
- Coordinate with water use permit consultant and establish the number of RW supply wells and capacities as well as sizing of the finished water high service pumps and develop control logic and suction/discharge pipe sizing.
- Establish design criteria for treatment processes as needed based on the raw water quality.
- Perform finished water blending desktop studies to determine and establish any post treatment facilities for the WPF.
- Sample raw wastewater from nearby WWTFs and establish baseline wastewater characterization for sizing of the unit processes.
- Identify and establish design criteria for each unit treatment process for the new WWTF.
- Develop hydraulic profile with reliance on gravity flow, no intermediate pumping.
- Finalize stormwater management and outfall control structure for each facility.
- Establish site layout and construction access for each facility.
- Establish testing and commissioning for each facility.
- Establish emergency generator/back-up power sizing for each facility.
- Prepare a 30-percent level site plan and associated drawings and a cost estimate for each facility (the new WPF and the new WWTF).
- Prepare and incorporate resiliency requirements for each facility.
- Prepare a basis of design report (preliminary design report) for each facility and initiate Florida Department of Environmental Protection (FDEP) permits as applicable.

Resiliency Aspects to Review:

- Flood-related hazards
- High wind and flying debris
- Lightning
- Building fire
- Safety and security

Approach to Innovation and Abilities of the Firm/Project Team

Over the past 90+ years, Carollo has led the water industry with research and innovation as shown by the examples in this section.

3D BIM (Building Information Modeling)

We are one of few engineering firms that has heavily invested in 3D BIM for more than a decade. A design completed in 3D BIM offers integration of multi-discipline data to create detailed digital representations that are managed on a shared platform for real-time collaboration with key decision makers. BIM aids in greater visibility resulting in easy and quick decision making, minimizes errors while saving contractors and owners time and money. The same model will be used by the CMAR to prepare very accurate as-builts, much superior in content compared to the traditional 2D drawings.

With utilizing a Construction Manager at Risk (CMAR) type alternate delivery method, completing the design using 3D BIM can be extremely beneficial. The CMAR can utilize the 3D model during the early stages of design (60% design completion) and start with quantity take-offs to order long lead items and prepare a detailed construction sequence and schedule. Carollo has successfully done this for Sarasota County's, Bee Ridge Water Reclamation Facility and many other projects as described in the section below. The most important aspects have been construction schedule and cost savings. See company experience tab for more information on this project.



3D Rendering of the largest MBR Facility in Florida
(18-mgd Bee Ridge WRF, Sarasota County, Florida)

Precast/Post-Tensioning Structures:

- ⊕ Ideal for any size/shape
- ⊕ Monolithic pours in climate-controlled factory
- ⊕ No voids or honeycombs
- ⊕ Superior QA/QC
- ⊕ Unaffected by weather
- ⊕ No delays with site work or foundation prep
- ⊕ Quick erection, ready for immediate use
- ⊕ Cuts on-site labor and costs significantly
- ⊕ 2-year warranty (vs. standard 1-year)
- ⊕ Excellent site cleanliness

Save Time and Money with Precast and Post-tensioned Structures

PCU's desired time frame (around 3 years) to complete both new facilities has its challenges. One option to help achieve this goal is the use of precast and post-tensioned structures for all process units for all shapes and sizes, including potable water storage tanks, wastewater treatment processes such as headworks, activated sludge basins (including oxidation ditches), secondary clarifiers, and filters as manufactured by Dutchland, LLC. This option could save substantial time, on-site labor, and potentially overall project cost. The process starts with design adhering to the American Concrete Institute (ACI) 350. The precasting of various sections of the structure are done at the factory (located in Alachua, FL < 200 miles from project sites) under very close supervision and superior quality control procedures.



Erection of precast sections of the rectangular activated sludge basin at Upper Montgomery Joint Authority WWTP in Pennsburg, PA (Photo courtesy Dutchland, LLC)

If CMAR delivery is selected by PCU, the CMAR can procure firm pricing and schedule from Dutchland at 90% design for comparison to a traditional cast-in-place type construction. PCU will receive a competitive price and schedule for the construction of the two facilities potentially saving time and money.

Save Time and Money by Co-locating the New WPF and New WWTF

Identify a sufficiently large land parcel to allow co-locating both the new WPF and the new WWTF on the same site. **It may be possible to co-locate both new facilities on the same parcel as the ERUSA MP's proposed WWTF site. The raw water wellfield can be located in the vicinity of the proposed WPF site, providing sufficient separation and distance from the RIB sites that would be located on the WWTF site.** Alternatively, the well field can be located closer to the site but still well upstream of the RIB sites with appropriate separation between them.

Some additional pipeline improvements may be necessary to convey the raw water from an appropriately located well-field site and potable water to tie-in to existing service locations.

Co-locate the WPF and WWTF on a single site:

- ⊕ Single land parcel needed
- ⊕ Save on permits, time, and costs
- ⊕ Streamline site investigations (survey, environmental, geotech)
- ⊕ Shared stormwater, security, access, and ROWs
- ⊕ Joint admin, maintenance, and electrical (gear, backup power)
- ⊕ Easier construction management with common contractor areas
- ⊕ Simplified supervision and quality control

Innovative BNR Design Coupled with MBR Technology for Superior Water Quality Goals in a Small Footprint

The membrane bioreactor (MBR) technology has significantly matured over the past decade, or more and more and more utilities are adopting this technology to produce high quality effluent. Given the adoption of this technology nationwide, it has become extremely cost competitive with conventional treatment and can be evaluated for the new WWTF. Implementing ammonia-based aeration control and internal recycle with swing/deoxygenation zones can achieve superior nitrogen removal and reduce energy consumption. Including surface wasting will help eliminate foam and promote selective wasting.

Utilizing Construction Manager at Risk Delivery Method

Carollo has vast experience with working on alternate delivery methods and using a CMAR.

Bee Ridge WRF Expansion CMAR Coordination Highlights

To have confidence that Florida's largest MBR facility is delivered on schedule and within budget, Sarasota County selected Carollo to help guide them through the CMAR delivery process, which was selected to better understand project construction costs and schedule development. Carollo's scope of services included selection of a highly qualified CMAR, development of the CMAR's preconstruction services scope, review of construction pricing for the project's two guaranteed maximum price (GMP) proposals, full-time construction inspection services, and startup.

Carollo worked closely with Sarasota County to identify and include all the critical CMAR requirements in the preconstruction services scope. These important scope elements included pricing transparency, close coordination on project constructability, permitting responsibilities, maintenance of plant operations (MOPO), as well as schedule and GMP development.

Staff members of the County have been extremely pleased with the cost, quality, timeliness, and responsiveness of the professional consulting and engineering services that we have received from Carollo. Our association has been very positive, and we have always found the principals, staff members, and support staff to be above average in professional capability.

— Gregory S. Rouse, Manager Utilities/Environmental, Sarasota County

| CMAR Delivery Method Experience, Florida Projects | MGD | Cost | Completed |
|--|------|-----------|--|
| Bee Ridge WRF, Sarasota County | 18 | \$251 M | In Construction Substantial Completion June 2026 |
| Buckman Biosolids Capital Conversion Projects, JEA | 130 | \$309.6 M | In Construction Substantial Completion March 2028 |
| Sandhill WRF Expansion, Toho Water Authority | 9 | \$51.4 M | Oct. 2023 |
| Parkway WTP DBP Mitigation, Toho Water Authority | 11.2 | \$9 M | Nov. 2023 |
| Westside Regional WRF Upgrades, Daytona Beach | 15 | \$39 M | Feb. 2021 |
| PRWC Southeast WPF | 7.5 | \$228 M | Construction begins 2025 Completion Dec. 2027 |
| PRWC Southeast Transmission | 15 | \$243 M | In Construction Completion May 2028 |

Effective workshops were held with the CMAR, and the CMAR's major subcontractors, to review design elements and determine opportunities for efficiency and cost reduction, while promoting the WRF's operational reliability and flexibility. Working closely with the CMAR and their team resulted in a valuable exchange of ideas, such as identification of critical long-lead equipment and their submittal requirements, and engineering data and design packages released to meet an early GMP for phased construction. All these items were agreed upon to enhance the schedule, while always accommodating the WRF plant personnel who had to keep the existing facility operational.

Managing Project Budgetary Goals, Timetables, and Quality Control Objectives

Project Management Plan

Fundamental to our project management philosophy, each project begins with preparing a project management plan (PMP). Our project managers, Sudhan Paranjape (new WWTF) and Jeremy O'Neal (new WPF) will prepare and use the PMPs tool to coordinate our work effort, control the projects, and meet the expectations of the stakeholders and staff. The PMPs are created during initial project planning and serves as the basis for development for the final work product. It is a working document and is continuously updated to guide the project team.

Project Communication

MS Teams Site — Communications is a key factor in the success of the project. Each of the two projects will host the essential documents for the respective project on a common MS Teams site hosted by Carollo, providing ease of access to PCU. Projects communication items, such as the Action Logs and Decision Logs, will be kept current on this site.

Monthly Project Progress Reports — At the end of each month, the respective project manager (PM), will summarize the work completed, upcoming work, and any outstanding actions for PCU. It helps develop trust, management of expectations, promotes alignment, and avoids misunderstandings, conflicts, delays, and costly errors. Both PMs will keep your respective PMs up-to-date on progress throughout the life of the project through these monthly status reports. As soon as they become aware of an issue that potentially affects the schedule, budget, or both, they will promptly inform the appropriate PCU PM. The Carollo team will work with PCU staff to address the issue and to minimize impacts on the project. The Carollo PM will also hold a virtual monthly progress meeting to go over the progress report and updates (as needed).

Design Milestones and Review Workshops — These projects should reflect your ideas and address your concerns as the design process progresses. As shown on the right, (from the bottom up) appropriate workshops and meetings will be scheduled to review comments and discuss issues of concern following each progress submittal for each facility. An agenda for each meeting or workshop will be prepared in advance. The agenda will clearly state the goals of the meeting including decisions and/or directions needed from PCU. Carollo's project managers will have the responsibility of assisting PCU's staff with obtaining the information that is needed by the design team. Comments received from PCU and its stakeholders will be added to the project comment log with how the comment will be addressed and the completion status of the response.

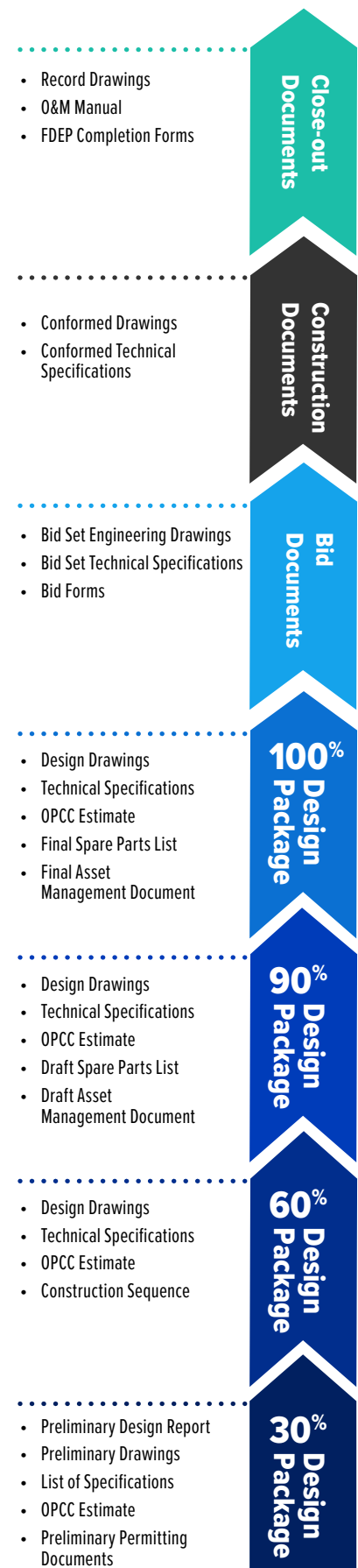
Quality Management



Our approach to quality is based on conducting the “right reviews” by the “right people” at the “right time” so the project starts off correctly, is done right the first time, and is delivered on time and within budget. To achieve these goals and to meet our own quality expectations, we prepare a project-specific quality management plan (QMP) that details methods

and procedures to verify that design and resulting documents meet PCU and industry quality standards. Then we assign senior project review staff who are truly experts in their fields.

For this project we have assigned **Vic Godlewski, PE**, to lead our quality review team. Vic is Carollo's Orlando office quality manager and will also be the principal-in-charge for both facilities. He brings more than 40 years of design experience and is intimately familiar with PCU standards.

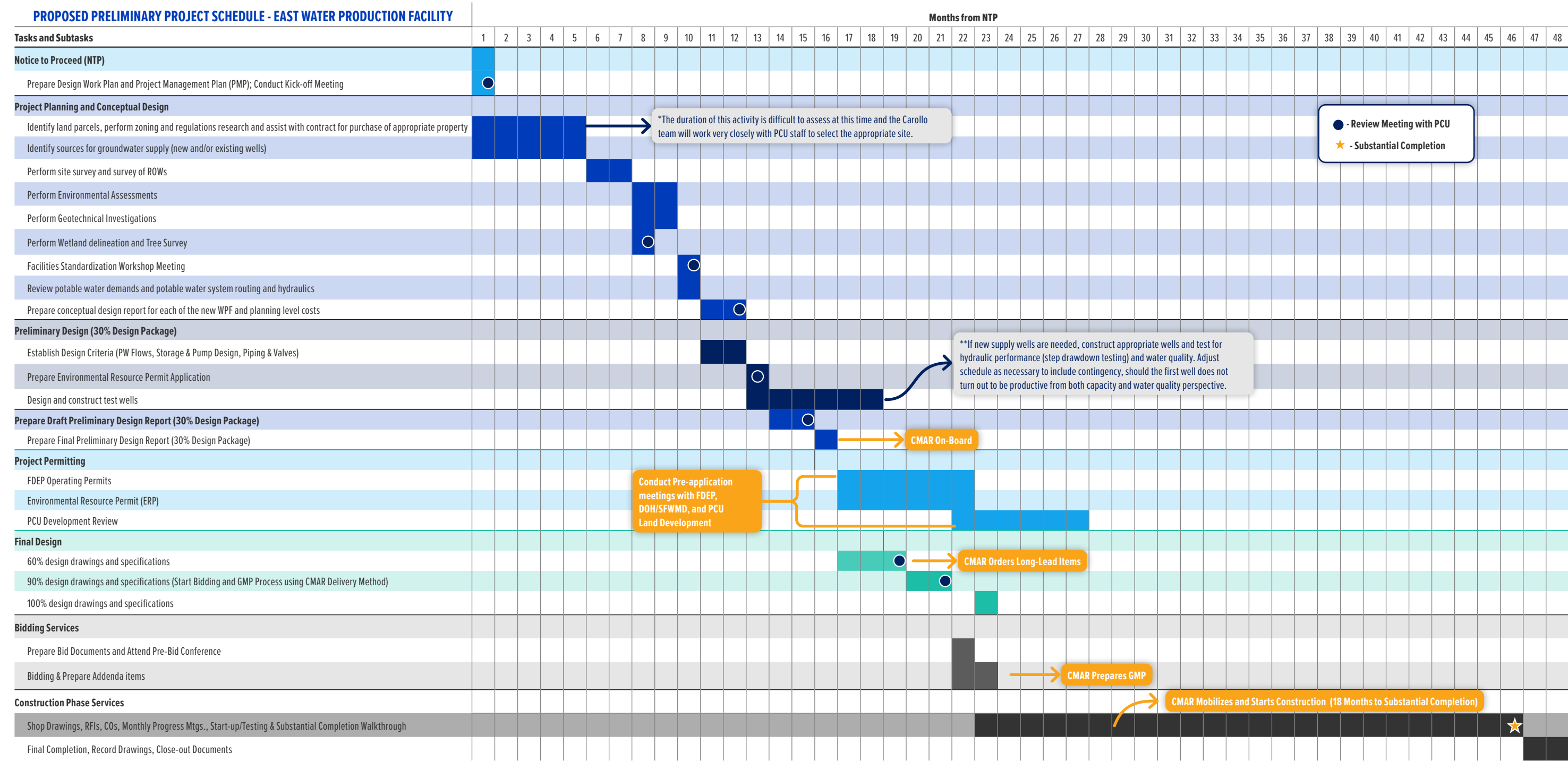


Design milestones and deliverables

Schedule Management

Schedules are important as they can impact project costs and project goals. Carollo has developed preliminary project schedules which will be updated during the design phase. The proposed schedule of 36 months for planning, design, and construction based on the RFP seems challenging due to various constraints including site acquisition and planning and also the current lead times of certain electrical items such as transformers, switch gears, generators and MCCs. A CMAR delivery method could be used to improve schedule, ascertain project costs, minimize project risks, and promote overall project quality and success.

Our proposed schedule for the new WWTF allocates 12 months for planning and conceptual design. Most of this effort would be considered due diligence as a condition of land purchase by the County. Time will need to be allocated for design of appropriate RIB sites and associated percolation tests and ground water modeling. The final design will be completed 24 months from NTP. The schedule will be updated as the project progresses. It is also assumed that PCU will complete the purchase of the sites within 24 months from NTP. If more time is required, schedule will be adjusted accordingly.



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Experience, Expertise, Personnel & Technical Resources

Carollo's **singular focus on water solutions** has allowed us to focus on delivering many similar projects to clients, both locally and nationwide, offering innovative solutions with unparalleled client service.

Carollo Team's Representative Florida Water Design Experience

| Carollo Team's Representative Florida Water Design Experience | Plant Characteristics | | | | Treatment Process | | | Services | | | | | |
|--|-----------------------|-------------|-----------------------------|--------------------------------------|--------------------------------|-----------------------|---------------------|--|---|----------------------|---|----------------------------------|-----------------------|
| | Plant Size (mgd) | Surface WTP | High TOC/Color Source Water | Highly Variable Source Water Quality | Enhanced Softening/Coagulation | Membrane Technologies | Alternative Process | Hydraulic Evaluation and Eliminating Bottlenecks | Alternatives Analysis, Selection, and Ranking | Bench-Scale/Piloting | Vulnerability and Criticality Assessments | Multi-Discipline Design Services | Construction Services |
| Projects | | | | | | | | | | | | | |
| Gibson Oaks Water Production Facility - Study, Design and ESDC* Polk County | 4.6 | | | | | | ✓ | | | | | ✓ | ✓ |
| Parkway Water Treatment Plant Disinfection Byproduct Mitigation Project (CMAR)* Toho Water Authority, Kissimmee | 11.2 | | ✓ | | | | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ |
| Meadowbrook Water Treatment Plant Design* Clay County Utility Authority | 8.78 | | | | | | | ✓ | ✓ | | | ✓ | ✓ |
| Babcock Ranch Water Treatment Plant and Water Reclamation Facility* Fort Myers | 0.5 | | ✓ | | | ✓ | | | ✓ | | | ✓ | ✓ |
| Pinewoods RO/NF Water Treatment Plant Expansion Lee County | 3 | | ✓ | | | ✓ | | ✓ | ✓ | | ✓ | ✓ | ✓ |
| North Lee County RO Water Treatment Plant Expansion Lee County | 15 | | | | | ✓ | | ✓ | ✓ | | ✓ | ✓ | ✓ |
| Northeast Regional RO/IX Water Treatment Plant Collier County | 15 | | ✓ | | | ✓ | ✓ | | | ✓ | | ✓ | |
| Water Treatment Plants Improvements City of Boynton Beach | 20 | | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Springtree and Sawgrass Water Treatment Plants Expansions City of Sunrise | 49 (comb) | | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ |
| Lake Manatee Water Treatment Plant Filter Upgrade Manatee County | 54 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

*Project description provided on the following pages.

Unmatched Wastewater Experience

The table below and the project descriptions that follow demonstrate our ability to successfully address complex technical, regulatory, and institutional issues to produce clear, cost-effective, and practical designs.

Carollo Team's Representative Florida Wastewater Design Experience

| Carollo Team's Representative Florida Wastewater Design Experience | Project Relevance | | | | | | | | | | |
|---|-------------------|-----------------|---------|--------------------|----------------------|----------------------|--------------|----------------------|--------------|------------------|-------------------------|
| | Plant Size (mgd) | RAS/WAS Pumping | Filters | Biosolids Handling | Secondary Clarifiers | Alternative Delivery | Pretreatment | Biological Treatment | Disinfection | Effluent Pumping | Reclaimed Water Storage |
| Projects | | | | | | | | | | | |
| Sandhill WRF Upgrades and Expansion (CMAR)* Toho Water Authority, Kissimmee | 7.5 | ✓ | ✓ | ✓ | | ✓ | | | | | |
| Westside Regional WRF Improvements (CMAR)* City of Daytona Beach | 15 | | ✓ | ✓ | | ✓ | ✓ | | | | |
| Bee Ridge WRF Expansion and AWT Conversion* Sarasota County | 18 | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Babcock Ranch Water Treatment Plant and Water Reclamation Facility* Fort Myers | 0.75 | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Southeast WWTP Improvements and Expansion Pasco County | 6 | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Buckman WRF Biosolids Projects (CMAR) JEA, Jacksonville | 130 | | | ✓ | | ✓ | | | | | |
| South Bermuda Upgrades and Expansion (CMAR) Toho Water Authority, Kissimmee | 13 | ✓ | ✓ | ✓ | | ✓ | | | | | |
| Conserv II WRF Biosolids Dewatering Systems Improvements City of Orlando | 25 | ✓ | | ✓ | | | | | | | |
| Dunn WRF Filtration Improvements (PDB) Pinellas County | 9 | | ✓ | | | ✓ | | | | | |
| Conceptual Design for NWRWWTF and SWRWWTF Polk County | 3 4 | ✓ | ✓ | | ✓ | | | | | | |
| Wesley Center WWTP Expansion Pasco County | 6 | | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Central County WRF, Phases 2, 3, and 4 Sarasota County | 8 | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | |
| SCRWWTDB Aeration/Capacity Improvements (PDB) Delray Beach/Boynton Beach | 24 | | ✓ | | ✓ | ✓ | | | | | |

*Project description provided on the following pages.



Gibson Oaks Water Production Facility - Study, Design & ESDC

Polk County, FL

Project Background

The 2013 NWRUSA Potable Water Production Regionalization Study and 2016 Master Plan Update recommended that the six existing water production facilities (WPFs) in the Northwest PWS be consolidated into three regional facilities to improve water system reliability and more efficiently meet future demands. The Gibson Oaks greenfield facility was one of them. This is a 4.6-mgd (8.6-mgd) regional facility in the eastern portion of the NWRUSA and replaced the existing Lake Gibson, Timberidge, and Sherwood Lakes WPFs. The project increased water system reliability/redundancy by providing a second potable water distribution system loop in the eastern portion of the service area.

How We Helped

The new facility included a new 1-MG prestress concrete storage tank, a new sodium hypochlorite storage and feed system, a new high-service distribution pump station, and a new operations/electrical building. A new raw water well was constructed on-site as part of the project. The existing Lake Gibson WPF was modified to a raw water supply well as part of the project. The Sherwood Lakes WPF has two new raw water supply wells that have been developed and modified to operate as remote well supply sites.

With the modification of the WPFs, new raw water piping routes were evaluated and designed for construction to bring raw water from the remote sites to the Gibson Oaks site. Also, new finished water piping was designed to distribute the potable water from the site into the distribution system.

There are three disinfection points:

1. Disinfection Point 1, services the raw water header (prior to the GSR),
2. Disinfection Point 2 services the tray aerator, and;
3. Disinfection Point 3 services the high service distribution pump suction header.
 - Disinfection Point 1 serves as the primary disinfection location so that maximum contact time is reached within the GSR and target chlorine residual is reached upon leaving the GSR.
 - Disinfection Point 2 helps mitigate biological growth on the tray aerators.
 - The final disinfection location, Point 3, is located after the GSR and serves as a trim point, if required to maintain residual in the distribution system.

I greatly appreciate the extensive knowledge and experience of the project team who worked collaboratively with us to produce quality deliverables and performed well. The Carollo team was responsive and completed the project within the contracted schedule and budget.

— Holden Wright, Capital Project Manager - Polk County

SIZE AND COST OF PROJECT

Project Size: 4.6-mgd

Project Cost (Design & ESDC): \$1.5 million

PROJECT REPRESENTATIVE

Holden Wright, Capital Project Manager
Polk County

330 West Church Street

Bartow, FL 33830

Ph: 863-534-6467

holdenwright@polk-county.net

COMPLETION DATES

Scheduled completion: 8/2022

Actual completion: 1/2025 Est.

FIRM RESPONSIBILITY

Prime for WPF design (process mechanical, electrical, I&C).

KEY STAFF/ROLE

V. Godlewski - Principal-in-Charge/
Technical Advisor

E. Stone - Process

V. Negron-Vieira - Structural

N. Anderson - I&C

SUBCONSULTANTS

The Lunz Group

Madrid

CivilSurv

PROJECT COST/CHANGE ORDERS

Original budget: \$1.5 million

Project has 1 pending change order and is not yet complete.

TIME EXTENSION IF APPLICABLE

Time extension for construction delays due to equipment fabrication and delivery.



Parkway Water Treatment Plant Disinfection Byproduct Mitigation Project

Toho Water Authority, Kissimmee, FL

Project Background

Toho Water Authority (Toho) owns and operates the Parkway Water Treatment Plant (WTP) located in the Eastern distribution system. The Parkway WTP is an 11.2-mgd groundwater treatment plant consisting of four upper floridan aquifer raw water wells, a tray aerator, a ground storage tank, sodium hypochlorite and fluoride addition, and high-service pumping.

Toho has identified the Parkway WTP as the primary contributor to disinfection byproduct (DBP) issues in the Eastern distribution system. Carollo was selected to perform testing, evaluation, preliminary and final design, and construction administration for the Parkway WTP DBP Mitigation project for DBP and/or DBP precursor mitigation so DBP levels in the distribution system are below Stage 2 DBP Rule limits.

How We Helped

Carollo worked closely with Toho staff to collect water quality data and identify low-cost operational modifications to the Parkway WTP prior to pursuing any large capital projects. Modifications to the ground storage tank operating levels and the location of the chlorine injection point resulted in significant reduction on DBP formation. However, DBPs were still slightly above the regulated levels.

Carollo commenced with bench-scale testing of granular activated carbon (GAC) and fixed bed ion exchange (FBIX) for reduction of raw water total organic carbon (TOC). FBIX was identified as the lower-cost alternative for full-scale implementation. A pilot test was conducted to establish design criteria and the final design of the FBIX system with raw water blending was completed.

The design included upgrades to the raw water wells, the new FBIX system with brine regeneration system and waste handling, and electrical, instrumentation, and controls for the fully operational system. The improvements were constructed with a construction manager at risk (CMAR).

“

On a recent client survey for the Toho Water Authority's Force Main Replacement from LS57 to South Bermuda WRF project, Lan Zhou, PE, Toho's project manager, gave Carollo a perfect score on all categories ranging from our ability to manage risk, schedule, and cost to their overall comfort level and satisfaction with hiring us for future projects.

”

SIZE AND COST OF PROJECT

Project Size: 11.2-mgd

Project Cost (Design Fee): \$671,085

PROJECT REPRESENTATIVE

George Eversole, PE, Project Manager
Toho Water Authority
951 Martin Luther King Boulevard
Kissimmee, FL 34741
Ph: 407-944-5025
geversole@tohowater.com

COMPLETION DATES

Engineering Completion: 6/2021

Construction Substantial Completion: 4/2023

Final Completion: 11/2023

FIRM RESPONSIBILITY

Prime for pilot testing, preliminary design, final design, bidding and construction phase services.

KEY STAFF/ROLE

E. Stone - Project Manager
P. Kumar - Lead Project Engineer

SUBCONSULTANTS

Wekiva Engineering
EMI Consulting Specialties, Inc.
Southeastern Surveying and Mapping Corporation
Ardaman & Associates, Inc.

PROJECT COST/CHANGE ORDERS

Original Budget: \$9.0 million

Final Project Cost: \$9.0 million

Change Orders: None

TIME EXTENSION IF APPLICABLE

N/A



Meadowbrook Water Treatment Plant Improvements Design

Clay County, FL

Project Background

Meadowbrook Water Treatment Plant (WTP) has a design capacity of 8.78-mgd and serves the Orange Park grid of Clay County Utility Authority (CCUA). This facility is experiencing issues with oxidized sulfur deposits on equipment downstream of disinfection and throughout the distribution system infrastructure. In addition, there are infrastructure repairs and upgrades required at the WTP.

How We Helped

Carollo prepared a Basis of Design Report to evaluate alternatives to improve aging infrastructure and provide treatment solutions for total sulfide removal. The improvements to the WTP include removing the three existing ground storage tanks (GSTs) and two existing hydropneumatic tanks and constructing two new pre-stressed wire-wrapped concrete GSTs.

The GSTs are designed to be arranged to operate in series, with the first GST used for total sulfide removal with ventilation fans and the second GST used for 4-log virus inactivation credits. This will allow for full removal of total sulfide prior to free chlorine addition, lowering the average free chlorine dose required. This new arrangement also decreases the contact time of free chlorine by half, which will help reduce disinfection by-product formation.

The design also includes improvements to the yard piping to accommodate the new GSTs, replacement of the existing high-service pumps with new horizontal split-case pumps, and related electrical improvements. The design of the high-service pumps includes coordination with the CCUA system hydraulics model so that the new pumps work correctly within the existing system and provide adequate flow and pressure to the customers.

“As CCUA’s assistant chief engineer, I greatly appreciate the extensive knowledge and experience of the project team who worked collaboratively with us to produce quality deliverables and performed well. Their comprehensive project approach and solid project structure to the design phase services for our improvements project provided ample opportunities for our team to be fully engaged in the overall process.”

— Joe Paterniti, Assistant Chief Engineer,
Clay County Utility Authority

SIZE AND COST OF PROJECT

Project Size: 8.78-mgd

Project Cost (Design Fee): \$415,061

PROJECT REPRESENTATIVE

Joe Paterniti, PE, Assistant Chief Engineer
Clay County Utility Authority
3176 Old Jennings Road
Middleburg, FL 32068
Ph: 904-213-2412
jpaterniti@clayutility.org

COMPLETION DATES

Engineering Completion: 10/2024

Construction – 7/2026 Est.

FIRM RESPONSIBILITY

Prime for preliminary design and final design services.

KEY STAFF/ROLE

J. O’Neal - Project Manager

E. Stone - Chemical Treatment

SUBCONSULTANTS

The Lunz Group

Meskel and Associates

Wekiva Engineering

PROJECT COST/CHANGE ORDERS

Original Budget: \$415,061

Final Project Cost: \$415,061

Change Orders: None

TIME EXTENSION IF APPLICABLE

N/A



Babcock Ranch Water Treatment Plant and Water Reclamation Facility

Kitson and Partners, Fort Myers, FL

Project Background

MSKP Town and Country Utility owns and operates the Babcock Ranch Utility System, which serves the Babcock Ranch Community. The community is a mixture of residential, commercial, and light industrial development and is designed to be developed in phases. The site project supports the construction of a 19,000-unit residential, 5-million sq. ft. commercial development. The 30-acre utility site houses a water treatment plant (WTP) and a water reclamation facility (WRF).

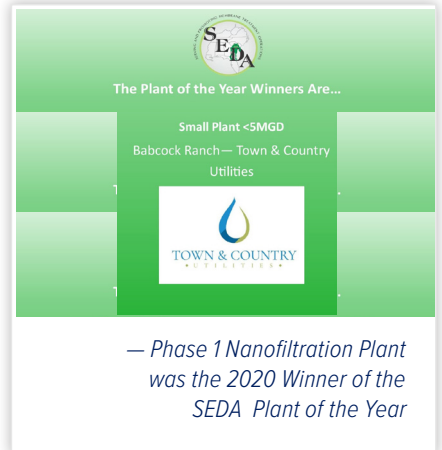
How We Helped

Phase 1 Expansion: Carollo was selected to design and assist with the construction of the Phase 1 improvements. The water system consisted of a new membrane WTP, degasification and odor control, chlorination, ground storage tanks and high service pump station. Two area wells (0.3-mgd each) supply the WTP.

For the WRF, a new greenfield site was developed for a new 0.15-mgd AADF sequencing batch reactor (SBR) process with filters and high-level disinfection to produce public access reclaimed effluent water. Carollo served as the engineer of record and provided value engineering services to reduce the construction costs by \$2M on this \$12.85M project.

Phase 2 Expansion: Phase 2 of the project increased WTP capacity to 1-mgd by the addition of a third supply well, additional treatment equipment, and expansion of the high-service pump station (4.5-mgd). Phase 2 WTP improvements included additional treatment for total organic carbon (TOC) to further reduce disinfection by-product (DBPs) levels in the distribution system. The Phase 2A WRF project converted the facility from an SBR to an A2O process with membrane bioreactor (MBR). The design reused all the existing treatment structures but also included new facilities: headworks, aeration blowers, MBR process tanks and equipment, chlorine contact tanks, reclaimed water transfer pump station, 1-MG reject ground storage tank and sludge holding tank.

Construction for Phase 2A began in May 2019 and was completed in October 2020 with the plant attaining interim treatment capacity of 0.375-mgd. Carollo provided value engineering services to reduce the construction costs by \$1.5M. Shortly after completion of Phase 2A, design activities started on Phase 2B which included completion of a third MBR process tank and installation of associated equipment. The Phase 2B construction began in January 2021 with substantial completion in March 2023 for an ultimate treatment capacity of 0.75-mgd.



SIZE AND COST OF PROJECT

Project Size: 0.5 (WTP) & 0.75-mgd (WWTF)

Project Cost: Phase 1: \$12.8 million

Phase 2: \$21.5 million

PROJECT REPRESENTATIVE

John Broderick, Senior Vice President

Kitson & Partners

14750 State Road 31

Punta Gorda, FL 33982

Ph: 941-235-6907

JBroderick@Kitsonpartners.com

COMPLETION DATES

Scheduled Completion: 4/2019, Phase 1

9/2020, Phase 2

Actual Completion: 4/2019, Phase 1

On-going, Phase 2

FIRM RESPONSIBILITY

Prime for preliminary and final design, and construction phase services.

KEY STAFF/ROLE

S. Paranjape - Project Engineer

A. Gilmore - MBR Design Lead

P. Kumar - Lead Project Engineer

B. Graham - WRF Design

SUBCONSULTANTS

CA3 Architects

PROJECT COST/CHANGE ORDERS

Original Budget: \$12.8M, Phase 1

\$21.5M, Phase 2

Final Project Cost: \$12.8M, Phase 1

On-going, Phase 2

Change Orders: None

TIME EXTENSION IF APPLICABLE

N/A



Sandhill Water Reclamation Facility (WRF) Upgrades and Expansion

Toho Water Authority, Kissimmee, FL

Project Background

Carollo was hired by Toho Water Authority (Toho) to provide professional engineering services to assist with conceptual design, preliminary design, final design, permitting, bidding, and construction phase services to construct the upgrades and expansion to the Sandhill WRF from a rated capacity of 6.0-mgd, average day flow (ADF) to a rated capacity of 7.5-mgd, aadf with potentially expanding to a 9.0-mgd, aadf facility with the construction of a 4.0-million gallon (MG) reuse ground storage tank.

How We Helped

As a start, Carollo developed a conceptual design that evaluated the expansion of the existing plant from a rated capacity of

6.0-mgd AADF to either 7.5-mgd AADF or 9.0-mgd AADF. This included review of the plant hydraulics and review of each plant process. The study concluded that the only difference between 7.5-mgd AADF, and 9.0-mgd AADF, was the addition of a 4.0-MG reuse ground storage tank that would comply with the wet-weather storage capacity on-site. All other unit processes had to be upgraded for both capacities and the cost of such upgrades were the same. Toho elected to proceed with expanding the facility to 9.0-mgd AADF. While the existing plant did not require to meet Florida advanced water treatment (AWT) standards, process modeling was conducted to identify the necessary treatment facilities to be added soon to meet Florida AWT standards (5:5:3:1).

The design of the upgrades and expansion project at Sandhill WRF included retrofitting the existing headworks with new center-flow band screens, new pista grit removal equipment, upgrade to existing flow splitting structure, one new 4-stage Bardenpho train with diffusers, two new blowers and aeration piping, one new 130-ft diameter secondary clarifier with spiral scrapers, new RAS/WAS pumps new tertiary cloth disk filters, expansion of the chlorine contact tank, new effluent transfer pumps, one new 3 MG off-spec storage and one new 4 MG Reuse storage tanks and new reclaimed water pumps.

At 60% design, the CMAR provided a cost estimate that was \$10 to \$15M more than the Toho budget. Carollo worked with both the CMAR and Toho to identify value engineering ideas to reduce the project's cost.

The Sandhill facility has been operating very well since the completion of the expansion and upgrades projects for the past year and plant operations has been very satisfied.

— George Eversole, Title, Toho Water Authority

SIZE AND COST OF PROJECT

Project Size: 7.5-mgd, AADF. Can be increased to 9.0-mgd with construction of the 4.0-MG reuse storage tank

Project Cost (Design Fee): \$782,094

Construction Cost: \$51,461,847

PROJECT REPRESENTATIVE

George Eversole, PE, Project Manager

Toho Water Authority

951 Martin Luther King Boulevard

Kissimmee, FL 34741

Ph: 407-944-5025

geversole@tohowater.com

COMPLETION DATES

Scheduled Completion: Engineering. 2/2022

Actual Completion: Engineering - 2/2022

Substantial Construction - 10/2023

Final Construction - 12/2023

FIRM RESPONSIBILITY

Prime for preliminary and final design, process engineering, permitting, bidding, construction, and startup assistance.

KEY STAFF/ROLE

S. Paranjape - Project Manager

V. Godlewski - QC

J. O'Neal - Project Engineer

E. Natale - Project Engineer

V. Negron-Vieira - Structural

SUBCONSULTANTS

EDA, Inc.

PROJECT COST/CHANGE ORDERS

Original GMP: \$51.461 million

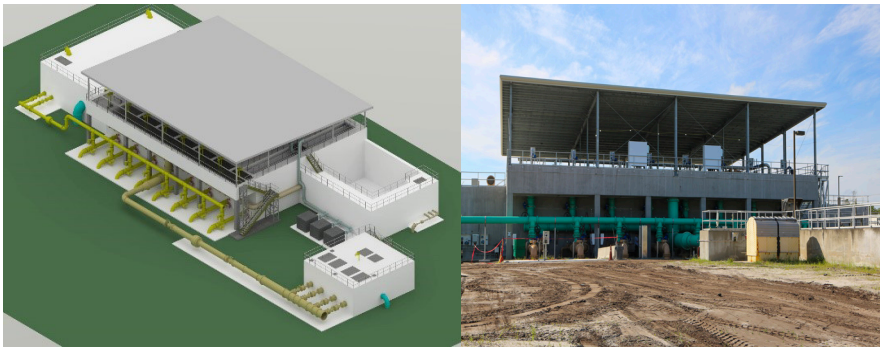
Actual Project Cost: \$51.461 million

Change Orders: N/A – A project contingency of 2% was established and was part of the GMP.

No additional Change Orders were needed.

TIME EXTENSION IF APPLICABLE

N/A



Westside Regional Water Reclamation Facility Improvements

City of Daytona Beach, FL

Project Background

The project consisted of the design and construction improvements to three critical treatment processes, including Bardenpho™ Stage 3 and Stage 5 aeration improvements, new tertiary deep-bed sand filters with tertiary influent pump station, new return activated sludge (RAS) and waste activated sludge (WAS) pumping, and new biosolids dewatering equipment. These improvements were critical for treatment and compliance with the state permit.

How We Helped

The new tertiary deep-bed sand filters replaced the existing failing automatic backwash (ABW) filters. Carollo was hired to perform a condition assessment of the existing filters and prepare a desktop evaluation of various tertiary filtration technologies. The condition assessment determined that the existing filters had reached their useful life and required significant daily and monthly maintenance to keep them running. The subsequent UV disinfection system was struggling to maintain a reliable dose to meet the reuse standards, with the plant often exceeding the fecal limits. Carollo prepared a desktop evaluation of various tertiary filtration technologies and recommended the design and construction of new deep-bed sand filters. The new filters provide a more reliable, robust, and efficient filtration system critical to treating wastewater to reuse standards.

The existing Bardenpho™ Stage 3 and Stage 5 aeration equipment was replaced with larger and more efficient aeration equipment critical to the main treatment process of the plant. During race weeks and other major events within the City, the treatment plant receives higher wastewater flows and loads, and the existing aerators had difficulty providing sufficient air to meet the demand to treat the incoming wastewater. The larger VFD-driven 200-hp mechanical surface aerators were designed to handle these peak events and treat the wastewater to the plant permit limits.

The existing RAS/WAS pumps were replaced with new dry-pit submersible pumps and process piping. The existing submersible pumps were in a large underground wet-well that collected the RAS from the secondary clarifiers at the plant. In the past, the wet-well had overflowed on to the ground during power outages. Due to ragging issues, the submersible pumps also struggled to maintain proper RAS and WAS flows. The new RAS/WAS pumps were designed as dry-pit screw centrifugal pumps located at grade. The new RAS/WAS pumps were designed as dry-pit screw centrifugal pumps located at grade. The screw centrifugal pumps are best suited for this application and have worked very well since installation, significantly reducing O&M costs. The existing above-grade RAS/WAS collection box was converted to a wet-well for these pumps. The configuration of this pumping system eliminated any possibility of overflows.

“

The Westside Regional WRF Improvements project Carollo completed for the City was the largest project the City completed in over 20 years and the first alternative delivery project. Carollo's outstanding performance, knowledge, and dedication helped to ensure the City met regulatory requirements and standards within the time frames specified.

— Eric A Smith PE, Deputy Utilities Director, City of Daytona Beach

”

SIZE AND COST OF PROJECT

Project Size: 15-mgd AADF and 45-mgd peak flow

Project Cost (Engineering Fee): \$2.9 million

PROJECT REPRESENTATIVE

Eric Smith, PE, Deputy Utilities Director
City of Daytona Beach
3651 LPGA Boulevard
Daytona Beach, FL 32124
Ph: 386-671-8829
smitheric@codb.us

COMPLETION DATES

Scheduled Completion: Engineering. 7/2018

Actual Completion: Engineering - 7/2018

Substantial Construction - 10/2020

Final Construction - 2/2021

FIRM RESPONSIBILITY

Prime for preliminary and final design, process engineering, permitting, bidding, construction and startup assistance.

KEY STAFF/ROLE

S. Paranjape - Project Manager

E. Stone - Project Engineer

E. Wicklein - Modeling

SUBCONSULTANTS

Hillers, Inc.

Wekiva Engineering

PROJECT COST/CHANGE ORDERS

Original GMP: \$39.9 million

Actual Project Cost: \$39.9 million

Change Orders: N/A Change orders were part of GMP.

TIME EXTENSION IF APPLICABLE

N/A



Staff members of the County have been extremely pleased with the cost, quality, timeliness, and responsiveness of the professional consulting and engineering services that we have received from Carollo. Our association has been very positive, and we have always found the principals, staff members, and support staff to be above average in professional capability.

— Gregory S. Rouse, Manager Utilities/
Environmental, Sarasota County

Bee Ridge Water Reclamation Facility Expansion and Advanced Water Treatment Upgrades

Sarasota County, FL

Project Background

Carollo evaluated design upgrades and requirements to expand the Bee Ridge Water Reclamation Facility (BRWRF) from 12-mgd MADF to 18-mgd MMADF and convert its process to meet Florida advanced wastewater treatment (AWT) requirements. This effort includes the design and construction of new biological nutrient removal (BNR) basins and a new membrane bioreactor (MBR) system, along with disinfection and reclaimed water storage facilities.

How We Helped

During the preliminary design phase, Carollo evaluated seven treatment process alternatives to help guide the county and determine which treatment process would best meet the requirements for AWT. The evaluations included BNR process in conventional activated sludge (CAS) arrangements as well as alternative technologies such as MBR, IFAS, AGS, and BAS.

A suite of decision criteria was used during a comparative analysis of each alternative. The County's priorities were then applied at a workshop, and MBR, CAS, and SFAS alternatives were determined to best meet the County's requirements and short-listed for further evaluation. Additional workshops were held to evaluate early procurement packages for the CMAR and assist with obtaining a \$105M WIFIA low-interest loan. At the onset of the design, Carollo helped the county select a CMAR, get them under contract for preconstruction services, and finalize the project GMP.

The final design phase was completed on time and within budget and included several coordination steps and design milestones. Each milestone required updates and meetings with the County, the construction manager at risk (CMAR), and various subcontractors to ensure the project met all design requirements while developing the guaranteed maximum price (GMP).

Construction began in early 2022 and included two GMP packages to ensure that we meet the schedule. Substantial completion is scheduled for August 2025, and final completion is estimated by May 2026.

SIZE AND COST OF PROJECT

Project Size: 18-mgd

Project Cost (Engineering Fee): \$13.3 million

Construction Cost: \$251 million

PROJECT REPRESENTATIVE

Gregory Rouse, Manager, Utilities/Environmental
Sarasota County
1001 Sarasota Center Boulevard
Sarasota, FL 34240
Ph: 941-861-0548
grouse@scgov.net

COMPLETION DATES

Scheduled Completion: Engineering. 5/2022

Actual Completion: Engineering - 5/2022

Substantial Completion Construction – 8/2025 Est.

Final Completion Construction - 5/2026 Est.

FIRM RESPONSIBILITY

Prime for conceptual, preliminary and final design, permitting, bidding, construction, and startup assistance.

KEY STAFF/ROLE

A. Gilmore - MBR Design Lead
M. Love - Senior Engineer/Technical Lead
B. Graham - Operational Process
V. Negron-Vieira - Structural
E. Wicklein - CFD Modeling
M. Pellish - Electrical

SUBCONSULTANTS

CA3 Architects
Ardaman & Associates

PROJECT COST/CHANGE ORDERS

Original GMP: \$251M (total for 2 GMPs)

Actual Project Cost: will be determined based on changes (requested by County and/or escalations)

Change Orders: N/A – Project contingencies and allowances are based on pricing at 70% design completion phase for GMP.

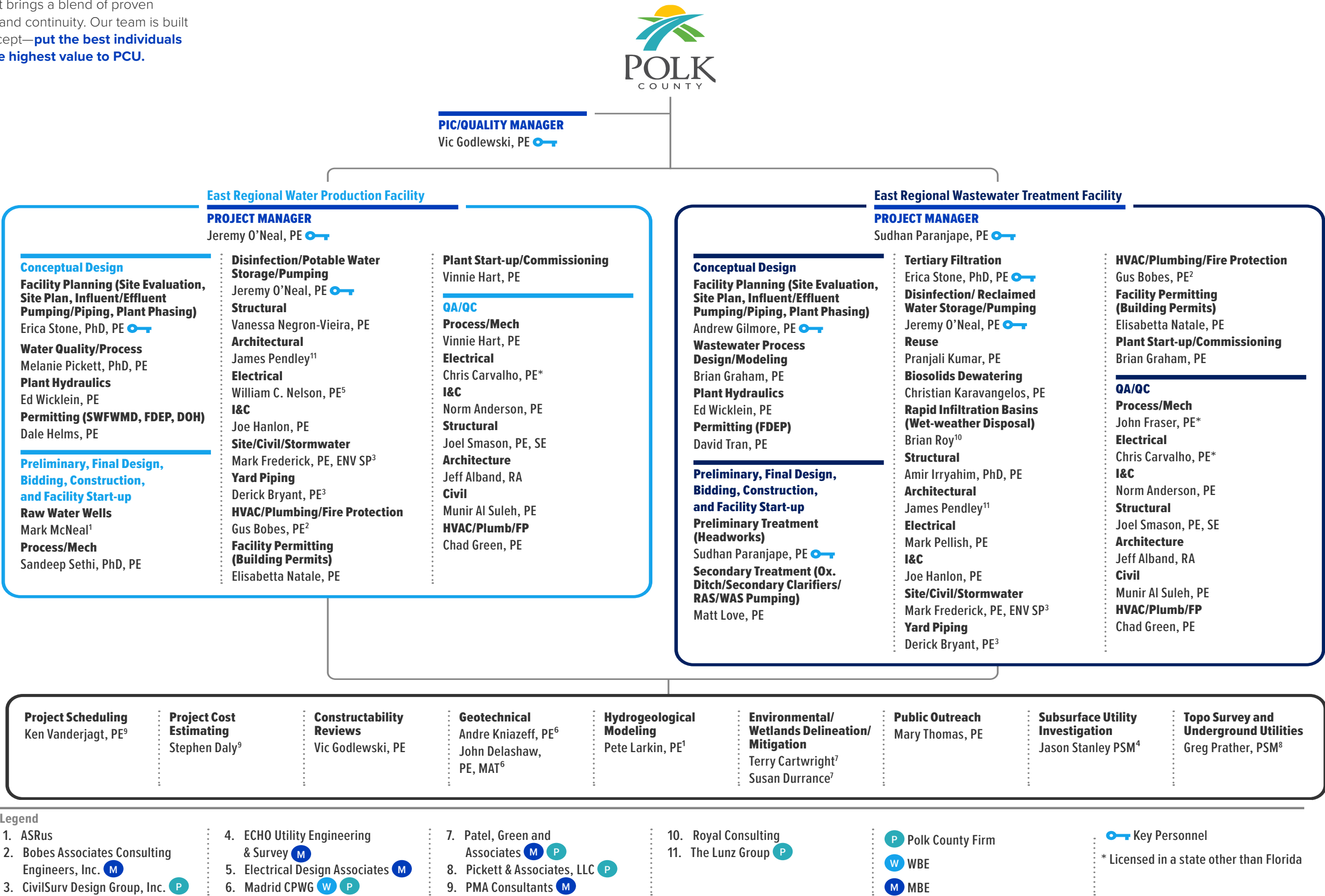
No additional Change Orders were needed.

TIME EXTENSION IF APPLICABLE

N/A

Organizational Chart: One Team, One Focus

Our integrated “one team” philosophy starts with assembling a comprehensive design team that brings a blend of proven experience, technical excellence, and continuity. Our team is built around a simple yet powerful concept—**put the best individuals into roles where they can add the highest value to PCU.**





Victor Godlewski, PE

Principal-In-Charge/Quality Manager

“In my principal-in-charge role, I will stay connected with County staff to make sure your overall expectations are being met throughout the project duration.”

Experience and Qualifications Relevant to Proposed Project

» Conceptual Improvements to NWRWWTF and SWRWWTF | Project Manager and Process Engineer | Polk County Utilities, Florida | Project Cost: \$96,280 (Study)

Provided an evaluation of the alternatives for replacement of the tertiary filters at the NWRWWTF and the SWRWWTF. In addition, to the rehabilitation of two existing 60 ft. diameter clarifiers was compared replacement using a single 90 ft. diameter unit. The County also desired to achieve a better flow split through the influent splitter box, abandon the use of telescoping valves for sludge wasting and revise the return activated sludge (RAS) pump arrangement so that each clarifier would be served by a dedicated pump. A revised splitter box was proposed using weir gates for flow splitting. A new mixed liquor pipeline from the activated sludge process to the splitter box was proposed avoiding the use of intermediate pumps to overcome higher head loss. A new RAS pump station was proposed providing each clarifier with a dedicated RAS pump. Waste flow would be diverted from the RAS flow stream using a modulating valve and flow meter combination. For cost comparison, the use of MBR technology was evaluated for both facilities as a replacement for the solids separation provided by conventional clarifiers and filters.

» Northeast Regional WWTP Expansion 2.0-mgd to 3.0-mgd | Project Manager | Polk County Utilities, Florida | Project Cost: \$2.7 million

Scope of services included expansion and upgrade of a WWTP from 0.6-mgd to 3.0-mgd with advanced secondary treatment for reclaimed water quality. Treatment units included headworks, carousel aeration with internal denitrification, clarification, ABW filtration, chlorine contact, transfer pumping, ground storage, reclaimed water pumping, percolation ponds, bio solids thickening, and aerobic digestion.

» Sandhill Road WRF Expansion from 6-mgd to 9-mgd | Technical Reviewer | Toho Water Authority, Kissimmee, Florida | Project Cost: \$33 million

This project included replacing existing influent screens, grit removal, flow splitting basin, converting existing oxidation ditch to either a plug flow reactor with diffusers and blowers or replacing existing 100-hp surface aerators with large 200-hp surface aerators, replacing diffusers in the A/OA/O train 2, adding one new secondary clarifier, adding new cloth disk filters, new chlorine contact basin, modifying to effluent transfer pumping, and review of all effluent disposal alternatives.

» Gibson Oaks Water Production Facility Study, Design and Engineering Services During Construction | Principal-in-Charge | Polk County Utilities, Florida | Project Cost: \$1.5 million

The Gibson Oaks WPF is a 5.9-mgd regional facility in the eastern portion of the NWRUSA and replaced the existing Lake Gibson, Timberidge, and Sherwood Lakes WPFs. The project increased water system reliability/redundancy by providing a second potable water distribution system loop in the eastern portion of the service area. Additionally, the project was intended to provide additional WPF capacity needed to serve existing and future development in the area.

» Three Oaks WWTP | Project Manager | Lee County, Florida | Project Cost: \$22 million

Responsible for the preliminary design, permitting, final design, and construction phase for a contractor led design build project to expand the facility. The project expanded the WWTP from 3.0- to 6.0-mgd and included expansions and upgrades to preliminary treatment, biological nutrient removal system, secondary clarification, return activated and waste activated pump stations, deep-bed tertiary filtration, chlorine disinfection, sodium hypochlorite storage and feed system, on-site plant lift stations, and sludge dewatering.

FIRM TITLE

Vice President

YEARS EXPERIENCE

46 Years

EDUCATION

MS Environmental Engineering, University of Central Florida

BSE Environmental Engineering, University of Central Florida

ACTIVE REGISTRATION

Professional Engineer, FL No. 33139

PROFESSIONAL ORGANIZATIONS

Water Environment Federation



BENEFITS TO PCU

- Successfully designed 24 WWTFs in Florida and completed numerous upgrade and expansion projects, including projects involving biological nutrient removal and beneficial reuse.
- As your PIC, he keeps an ongoing rapport with PCU and is committed to the successful completion of your project.
- Carollo's Orlando office quality manager.



Jeremy O'Neal, PE

Project Manager, ERWPF/Disinfection/Potable
Water Storage/Reclaimed/Pumping

*"My passion is to improve
water for utilities and
their customers."*

Experience and Qualifications Relevant to Proposed Project

» Meadowbrook Water Treatment Plant Design | Project Manager | Clay County Utility Authority, Florida | Project Cost: \$415,061

The 8.78-mgd Meadowbrook WTP facility was experiencing issues with oxidized sulfur deposits on equipment downstream of disinfection and throughout the distribution system infrastructure. There were also infrastructure repairs and upgrades required at the WTP. Carollo prepared a basis of design report to evaluate alternatives to improve aging infrastructure and provide treatment solutions for total sulfide removal. The improvements to the WTP include removal of the three existing ground storage tanks (GST), two existing hydropneumatics tanks, and five high service pumps. The GSTs would be replaced with two new GSTs where total sulfide will be treated in the first GST, free chlorine will be injected between the tanks and 4-log virus inactivation will be achieved in the second tank. Carollo also worked with the County to size the new high service pumps based on their existing water distribution model. The new pumps will be controlled with VFDs based off of pressure since the hydropneumatics tanks will be removed.

» Main Water Treatment Plant (WTP) Advanced Treatment Upgrades | Lead Process Engineer | City of Sanford, Florida | Project Cost: \$1,161,800

The City of Sanford's Main water treatment plant provides water to a large customer base in the City. Carollo was hired to provide preliminary and final design for a new treatment system that will provide treatment of 1,4-dioxane and PFAS. Carollo performed an alternatives evaluation to determine the most cost-effective treatment technologies. It was determined that a UV advanced oxidation process (AOP) followed by GAC was the optimal treatment train, given the water quality. Bench-scale testing, including collimated beam testing and rapid small-scale column tests (RSSCTs), was performed to confirm the design criteria for the treatment processes. This testing was performed in Carollo's Water ARC® laboratory. Carollo is also helping the City of Sanford pursue grant funding through the FDEP. The project includes two new 0.75-MG ground storage tanks and a new free chlorine injection location to help the City attain 4-log virus inactivation credits. Jeremy is responsible for the UV-AOP and GAC treatment processes as well as coordination with the discipline engineers. Jeremy was also heavily involved with the development of the bench-scale testing so that the appropriate results would be generated for the development of the needed design criteria.

» Sandhill Road WRF Expansion | Project Engineer | Toho Water Authority, Kissimmee, Florida | Project Cost: \$51.4 million

Conceptual design, Preliminary and final design, permitting, bidding and construction of improvements and expansion of the existing 6.0-mgd treatment plant to a rated capacity of 9.0-mgd. It included new influent screens and grit removal, rehabilitation of flow splitting structure, and new 4-Stage Bardenpho basin with diffused aeration, blowers, secondary clarifiers and RAS/WAS pumps, filters, chlorine contact tank, effluent transfer pumps, reclaimed 4.0-million-gallon water storage tank, high service pumps, and a 3.0 million gallon reject storage tank. Project completed in 2023. The project also included planning for future treatment to meet Florida AWT Standards.

FIRM TITLE

Associate

YEARS EXPERIENCE

13 Years

EDUCATION

MS University of Florida,
Environmental Engineering

BS University of Florida,
Agricultural and Biological Engineering

ACTIVE REGISTRATION

Professional Engineer, FL No. 84374

PROFESSIONAL ORGANIZATIONS

International Ozone Association (IOA)

- Board Member (2023-present)

American Water Works Association, Florida Section

- Region II Treasurer (2019)
- Region II Secretary (2018)



BENEFITS TO PCU

- Jeremy has spent the last 13 years of his career providing engineering solutions and designs for water treatment. These projects included multiple advanced treatment projects that removed regulated and non-regulated contaminants, including 1,4-dioxane and PFAS.
- His experience includes pilot studies, process design, hydraulic modeling, and design.



Sudhan Paranjape, PE

Project Manager - ERWWTF/
Preliminary Treatment (Headworks)

"I have over 30 years of experience in the planning, design, permitting, and construction of WWTFs. This includes hands-on experience with project management, planning, and design of all aspects and unit processes of an advanced wastewater treatment facility to meet Florida AWT Standards."

Experience and Qualifications Relevant to Proposed Project

» Sandhill Road WRF Expansion | Project Manager and Design Manager | Toho Water Authority, Kissimmee, Florida | Project Cost: \$51.4 million

Conceptual design, Preliminary and final design, permitting, bidding and construction of improvements and expansion of the existing 6.0-mgd treatment plant to a rated capacity of 9.0-mgd. It included new influent screens and grit removal, rehabilitation of flow splitting structure, and new 4-Stage Bardenpho basin with diffused aeration, blowers, secondary clarifiers and RAS/WAS pumps, filters, chlorine contact tank, effluent transfer pumps, reclaimed 4.0-million-gallon water storage tank, high service pumps, and a 3.0 million gallon reject storage tank. Project completed in 2023. The project also included planning for future treatment to meet Florida AWT Standards.

» Westside Regional WRF Upgrades and Improvements | Project Manager and Design Engineer | City of Daytona Beach, Florida | Project Cost: \$36.23 million

This project included preliminary, final design, bidding, permitting, and construction phase services for several improvements to the facility to meet Florida AWT standards. The project included new deep-bed sand filters (15-mgd, aadf with 45-mgd peak flow), new RAS/WAS pumping, Bardenpho Stage 3 and Stage 5 aeration with process control to achieve Florida AWT standards, two new 3-belt belt filter presses, new sludge feed pumps, polymer storage and feed system, cake conveyors and new truck unloading stations.

» Biosolids Improvements at the Buckman WRF | Project Manager and Design Manager | JEA, Jacksonville, Florida | Project Cost: \$310 million

There are five projects under this program including the planning, design, bidding, permitting and construction of a new 3-story biosolids processing facility with four gravity belt thickeners, sludge feed and thickened sludge pumps, liquid polymer storage and feed system, four high-speed centrifuges, feed pumps and liquid polymer storage and feed system, cake conveyors and piping, two new dual drum thermal dryer trains, pellet storage silos, truck loading bay with scales, a new 2.0 million gallon raw sludge holding tank and associated big bubble mixing system and in-line sludge screens. Design is complete and project is under construction. Substantial Completion is scheduled for May 2028.

» 17-mgd New Plant Headworks, Central County WRF | Design Engineer | Sarasota County, Florida | Project Cost: \$8 million

Design included a new plant headworks to treat a flow of 8-mgd aadf, 17-mgd peak hour. The new headworks comprised of two perforated plate screens followed by a Grit King® grit removal units. The entire headworks was provided odor control using two-stage chemical scrubbers.

» South Bermuda and Sand Hill Road WRF– New Biosolids Dewatering Facilities | Project Manager and Design Engineer | Toho Water Authority, Kissimmee, Florida | Project Cost: \$13.3 million

This project included preliminary, final design, bidding, permitting, and construction phase services for adding new centrifuge dewatering facilities including new sludge feed pumps, polymer storage and feed system, cake conveyors and new truck unloading stations at each of the two WRFs.

» Biosolids Dewatering System Improvements at Conserv II WRF (25-mgd) | Project Manager | City of Orlando, Florida | Project Cost: \$14.2 million

The facility has four 2-meter belt filter presses (BFP). A pilot study evaluated three dewatering technologies, including new BFPs, centrifuges, and screw presses. Based on pilot test results, the 3-belt BFPs were chosen as the dewatering technology. A preliminary design report was prepared that also evaluated sludge pumping, cake conveyance and storage facilities. Final design included design of three new three belt BFPs, new polymer storage and feed system, new cake conveyors, new WAS holding tank with diffusers and blowers, and replacement of RAS/WAS pumps at the existing secondary clarifiers.

FIRM TITLE

Vice President

YEARS EXPERIENCE

31 Years

EDUCATION

ME Old Dominion University,
Environmental Engineering

BS University of Pune, India, Civil Engineering

ACTIVE REGISTRATION

Professional Engineer, FL No. 64472

PROFESSIONAL ORGANIZATIONS

Water Environment Federation

Florida Water Environment Association,
Biosolids Committee



BENEFITS TO PCU

- As a shareholder at Carollo with signing authority. Sudhan commits that he will lead the design of the new WWTF and will assign appropriate resources to complete your projects on time and within budget to the satisfaction of all project stakeholders.
- Proven project management skills, having managed key wastewater projects for local utilities in Central Florida.



Erica Stone, PhD, PE

Facility Planning/Tertiary Filtration

“Throughout my career in Florida, I’ve been fortunate to dive into the dynamic world of both water and wastewater projects, tackling challenges that not only preserve our precious resources but also make a lasting impact on communities. It’s been an exhilarating journey filled with innovation and purpose!”

Experience and Qualifications Relevant to Proposed Project

» Conceptual Improvements to NWRWWTF and SWRWWTF | QA/QC Reviewer | Polk County Utilities, Florida | Project Cost: \$96,280 (Study)

Provided an evaluation of the alternatives for replacement of the tertiary filters at the NWRWWTF and the SWRWWTF. In addition, to the rehabilitation of two existing 60 ft. diameter clarifiers was compared replacement using a single 90 ft. diameter unit. The County also desired to achieve a better flow split through the influent splitter box, abandon the use of telescoping valves for sludge wasting and revise the return activated sludge (RAS) pump arrangement so that each clarifier would be served by a dedicated pump. A revised splitter box was proposed using weir gates for flow splitting. A new mixed liquor pipeline from the activated sludge process to the splitter box was proposed avoiding the use of intermediate pumps to overcome higher head loss. A new RAS pump station was proposed providing each clarifier with a dedicated RAS pump. Waste flow would be diverted from the RAS flow stream using a modulating valve and flow meter combination. For cost comparison, the use of MBR technology was evaluated for both facilities as a replacement for the solids separation provided by conventional clarifiers and filters.

» Gibson Oaks Water Production Facility Study, Design and Engineering Services During Construction | Project Engineer | Polk County Utilities, Florida | Project Cost: \$1.5 million

The Gibson Oaks WPF is a 5.9-mgd regional facility in the eastern portion of the NWRUSA and replaced the existing Lake Gibson, Timberidge, and Sherwood Lakes WPFs. The project increased water system reliability/redundancy by providing a second potable water distribution system loop in the eastern portion of the service area. Additionally, the project was intended to provide additional WPF capacity needed to serve existing and future development in the area.

» Parkway WTP Disinfection Byproduct Mitigation | Project Manager/Engineer of Record | Toho Water Authority, Kissimmee, Florida | Project Cost: \$9 million

This construction manager at risk (CMAR) project included the bench and pilot testing, evaluation, preliminary, and final design for disinfection byproduct (DBP) precursor mitigation to help reduce the DBP levels in the distribution system below Stage 2 limits. Strategies evaluated include operational modifications, ion exchange, and granular activated carbon. The project included design of a 5.2-mgd ion exchange system constructed with a CMAR.

» Westside Regional WRF Stage 3 Improvements, RAS/WAS Pumping, and Stage 5 Aeration | Project Engineer | City of Daytona Beach, Florida | Project Cost: \$36.23 million

The Westside Regional WRF was an existing 15-mgd, 5-stage Bardenpho facility with oxidation ditches, surface aspirators for reaeration, a below-grade RAS/WAS pump station, and traveling bridge filters that have reached the end of their useful life. The project included design of upgraded surface aerators, two new RAS/WAS pump stations, new blowers and diffusers for the reaeration system, and new deep bed filters with a peak flow capacity of 45-mgd as well as assisting the City with procurement of a construction manager-at-risk (CMAR).

» David L. Tippin WTF Progressive Design-Build | Project Manager | City of Tampa, Florida | Project Cost: \$115 million

This project included addition of 70-mgd of filtration capacity to the 120-mgd David L Tippin Water Treatment Facility. The project included evaluation of the existing filters with recommendations for rehabilitation or retirement once the new filters are on-line, and design and permitting of the new filters. Ancillary improvements included additions to the pre-filter splitter box, incorporation of the existing backwash pumps, addition of new air scour blowers, and expansion of the waste wash water handling system for the new and existing filters.

FIRM TITLE

Vice President

YEARS EXPERIENCE

18 Years

EDUCATION

PhD/BS University of Central Florida,
Environmental Engineering

ACTIVE REGISTRATION

Professional Engineer, FL No. 75487

PROFESSIONAL ORGANIZATIONS

Florida Section American Water Works Association
Florida Water Environment Association



BENEFITS TO PCU

- Over 18 years of experience providing engineering for water and wastewater plants in Florida.
- Currently serves as the Florida Wastewater Practice Lead.
- The majority of her work has been on municipal water and wastewater facility upgrades and improvement designs for central Florida clients.



Andrew Gilmore, PE

Facility Planning

"I enjoy the engineering "art" that goes into site planning and future phased expansions of a new facility. Looking forward to collaborating with Polk County to realize the vision!"

Experience and Qualifications Relevant to Proposed Project

» Conceptual Improvements to NWRWWTF and SWRWWTF | MBR Design Lead | Polk County Utilities, Florida | Project Cost: \$96,280 (Study)

Andrew was the technical lead on the evaluation of membrane bioreactor (MBR) technology for the SWRWWTF and the NWRWWTF. Faced with filter improvements at both plants and clarifier improvements at the SWRWWTF, the MBR approach was viewed as a valid alternative to conventional solids separation. Capital, operations and maintenance, and life cycle costs were developed for MBRs at both facilities. Although MBR technology was attractive for the SWRWWTF, it was too expensive for the NWRWWTF. The County decided they would be best served by retaining the conventional treatment approach.

» Bee Ridge WRF Expansion and Conversion to AWT | MBR Design Lead | Sarasota County, Florida | Project Cost: \$169.8 million

The facility will be expanded from 12-mgd to 15-mgd AADF and converted to a MBR driven five stage BNR activated sludge process to achieve AWT. This project includes technical guidance and evaluation of the BNR basins, effluent transfer system, reclaimed water storage and pumping systems, chemical facilities, and construction services. Also developed design criteria for anaerobic selectors, anoxic selectors, aeration selectors, stacked tray grit removal, internal recycle, ETPS, HSPS, and chemical feed systems, including sodium hypochlorite, alum, citric acid, ammonia, and Micro-C; design calculations; plans and specifications; cost estimates, and quantity take offs; permitting; and construction submittals, RFIs and change orders.

» Southeast WWTP Improvements and Expansion | Principal-in-Charge | Pasco County, Zephyrhills, Florida | Project Cost: \$112 million

Carollo is providing facility planning, preliminary design, final design, and construction-phase services for the improvements and expansion of the County's 3-mgd WWTP, expanding its capacity to 6-mgd annual average daily flow. The project also includes additional force mains.

» William E. Dunn WRF Filtration Improvements Progressive Design-Build | Technical Advisor | Pinellas County, Florida | Project Cost: \$13 million

Andrew provided review and technical input for the design and construction of the filtration and disinfection improvements at the WRF. This project entails the installation of three new AquaDiamond® cloth media filters in three of the existing traveling bridge filter basins to increase capacity in each basin and to replace aging filter equipment and the removal of a fourth traveling bridge filter equipment fill from the basin. A new bulk liquid sodium hypochlorite system to replace the existing gas chlorine system that feeds chlorine to the CCCs. This system consists of two bulk storage tanks, two loop recirculation pumps to provide the chlorine to the off-site pump station, and seven chemical feed skidded pumps.

» Babcock Ranch Water Reclamation Facility | MBR Design Lead | MSKP Town and County Utility | Project Cost: \$12.8 million (Phase 1)

Carollo was selected to evaluate, design, and provide construction management services for Phase 2 expansion of the water reclamation plant. This phase will increase flow to 0.75-mgd and convert the existing sequencing batch reactor treatment facility to a membrane bioreactor (MBR) system to reuse much of the existing treatment units. The project also includes the design and construction of a new headworks, MBR reactor tank, chlorine contact tanks, reject water storage tank, and sludge holding tanks. Carollo also provided value engineering services during the design phase to reduce the construction cost by \$2 million. This project is currently under construction and being delivered under the design-build delivery method.

FIRM TITLE

Vice President

YEARS EXPERIENCE

28 Years

EDUCATION

MS California Polytechnic State University, Water Engineering

BS State University of New York, Engineering Geology

ACTIVE REGISTRATION

Professional Engineer, FL No. 88154

PROFESSIONAL ORGANIZATIONS

Water Environment Federation

American Membrane Technology Association



BENEFITS TO PCU

- Over 28 years of wastewater treatment design experience including greenfield and retrofit expansion projects.
- Alternative delivery experience with over two dozen projects delivered in this fashion.
- He will leverage his national and Florida experience to deliver the best solutions to fit your needs.
- Brings experience planning and designing over a dozen new "greenfield" wastewater plants.

Key Staff Availability and Location

The most important element in any project is the **people selected to perform the work**. Carollo assigns personnel to a project who possess **specific experience** related to that project and whose **availability** you can count on from the onset of the work through successful completion.

| Key Personnel | Availability | Office Location | Home Location |
|--|--------------|-----------------|-----------------------|
| Vic Godlewski Principal-in-Charge/Quality Manager | 30% | Orlando, FL | Orlando, FL |
| Jeremy O'Neal Project Manager - East Regional Water Production Facility/Disinfection/Potable Water Storage/Pumping/Disinfection/Reclaimed Water Storage/Pumping | 45% | Orlando, FL | Mims, FL |
| Sudhan Paranjape Project Manager - East Regional Wastewater Treatment Facility/Preliminary Treatment (Headworks) | 40% | Orlando, FL | Oviedo, FL |
| Erica Stone Facility Planning (Site Evaluation, Site Plan, Influent/Effluent Pumping/Piping, Plant Phasing)/Tertiary Filtration | 40% | Orlando, FL | Oviedo, FL |
| Andrew Gilmore Facility Planning (Site Evaluation, Site Plan, Influent/Effluent Pumping/Piping, Plant Phasing) | 40% | Sarasota, FL | Sarasota, FL |
| Subconsultants | | | |
| Mark McNeal Raw Water Wells | 50% | Tampa, FL | Tampa, FL |
| Pete Larkin Hydrogeological Modeling | 50% | Tampa, FL | Tampa, FL |
| Gus Bobes, Jr. HVAC/Plumbing/Fire Protection | 30% | Maitland, FL | Maitland, FL |
| Mark Frederick Site/Civil/Stormwater | 40% | Lakeland, FL | Winter Haven, FL |
| Derick Bryant Yard Piping | 70% | Lakeland, FL | Lakeland, FL |
| Jason Stanley Subsurface Utility Investigation | 60% | Tampa, FL | Pasco County, FL |
| William C. Nelson Electrical | 45% | Orlando, FL | Orlando, FL |
| John Delashaw Geotechnical | 30% | Bartow, FL | Bartow, FL |
| Andre Kniazeff Geotechnical | 60% | Bartow, FL | Bartow, FL |
| Terry Cartwright Environmental | 50% | Tampa, FL | Tampa, FL |
| Susan Durrance Environmental | 65% | Bartow, FL | Wauchula, FL |
| Ken Vanderjagt Project Scheduling | 60% | Orlando, FL | Orlando, FL |
| Stephen Daly Project Cost Estimating | 75% | Orlando, FL | Orlando, FL |
| Greg Prather Topo Survey and Underground Utilities | 50% | Lakeland, FL | Lakeland, FL |
| James Pendley Architecture | 50% | Lakeland, FL | Lakeland, FL |
| Brian Roy Rapid Infiltration Basins (Wet-Weather Disposal) | 10% | Longwood, FL | Altamonte Springs, FL |

Subconsultant Team Members

Carollo has **bolstered** our project team with local and regional subconsultants, adding **expertise tailored specifically to** this project.



**13329 North Armenia Avenue
Tampa, FL 33613**

Raw Water Wells and Hydrogeological Modeling

ASRus, LLC. was founded in 2006 to provide hydrogeological and reuse related professional services to municipal and industrial clients in Florida. In addition to their six Florida registered professional geologists, ASRus currently has six other full-time technical (geologist) staff to assist with project activities and construction oversight services as needed. ASRus has emphasized production wells and UIC projects along the Gulf Coast of Florida and central Florida including many deep injection wells, ASR systems, and aquifer recharge wells. After 18 years in existence, ASRus has provided services on over 500 projects with nearly 100 municipal, industrial, and private clients throughout peninsular and panhandle Florida.

✓ WORKED WITH OUR TEAM



**Location: 150 Circle Drive
Maitland, FL 32751**

HVAC/Plumbing/Fire Protection

Bobes Associates Consulting Engineers, Inc. is a minority (MWBE) owned and operated engineering firm specializing in the design of HVAC, plumbing, fire protection, power, lighting and life safety systems for new and existing buildings. Established in 1979, the principals of Bobes founded their firm on the commitment to provide clients with engineering services based on the highest professional standards.

The firm specializes in the design of facilities for state and local government agencies with approximately 75% of the firm's overall work being performed for those entities. The firm is currently using REVIT 2024 and AutoCAD 2024. Currently more than half of the projects designed are done in REVIT.

They have designed numerous lift stations, pump stations and water treatment plants, and have also been involved in three major water treatment plants for Orlando Utilities Commission.

M ✓ WORKED WITH OUR TEAM



**Location: 2525 Drane Field Road, Suite 7
Lakeland, FL 33811**

Site/Civil/Stormwater/Yard Piping

CivilSurv Design Group, Inc. (CivilSurv) is the successor and continuation of several Florida firms that were established in 1980 with project records dating back through five decades. They have provided engineering and land surveying and mapping services as CivilSurv from their headquarters office in Lakeland, Florida since 2010. Their "Tradition of Innovative Engineering" is provided from offices in Lakeland, Port St. Lucie, Vero Beach, and Sebring. Their clientele includes city and county governments, state agencies, utility companies, commercial and industrial firms, architects, and contractors. CivilSurv is a Water Management District and City of St. Petersburg Certified Small Business Enterprise. Their specific services include stormwater engineering and planning; water and wastewater engineering and planning; civil/site engineering; transportation engineering; construction services; regional/site, urban and policy planning; surveying and mapping; and subsurface utility engineering for both designates and verified vertical and horizontal (aka VVH or vacuum excavation) locates.

P ✓ WORKED WITH OUR TEAM

Legend

P Polk County Firm W WBE M MBE



**Location: : 4803 George Rd., Suite 350
Tampa, Florida 33634**

Subsurface Utility Investigation

ECHO UES, Inc. (ECHO) is a small business founded by a group of partners with civil engineering, surveying, construction, and utility/GIS background, who believe in providing high quality and reliable utility and survey data to design better, build faster, and safely enhance engineering, design, construction and maintenance of infrastructure. ECHO currently has three offices in the state of Florida located in Tampa, Orlando, and Gainesville.

ECHO was founded in 2017 to provide subsurface utility engineering and survey and mapping professional services throughout Florida for a variety of projects, assisting clients to improve performance throughout the entire project cycle, from design to construction and maintenance of infrastructure. In 2021, ECHO also began offering utility coordination services to firms throughout the state to fully round out their service offerings.

Field work is performed with the use of highly specialized technology and equipment, to include surface geophysical equipment, pipe and cable locators, ground penetrating radar, vacuum excavation units, total stations, GPS and laser scanners. The field data once collected is reviewed and processed, and the final deliverables consist of 3D digital representations of the site conditions above and below ground.



**Location: 6965 Piazza Grande Avenue,
Suite 311, Orlando, FL 33811**

Electrical

Electrical Design Associates, Inc. (EDA) staff's electrical experience includes electrical and instrumentation system designs for industrial plants, specifically Water and WWTFs located throughout the state of Florida. Their electrical distribution systems experience covers the full range up to 13kvolt distribution systems as well as standby generator systems. Their instrumentation systems design experience includes SCADA and PC based systems, as well as numerous traditional plant monitoring and control panel designs. Their design experience encompasses computer/PLC controlled systems utilizing SCADA based systems for interfacing to remote locations, as well as hard-wired relay controlled custom solutions.

They take pride in the fact that while they are a small sized firm, they utilize state-of-the-art computerization to accomplish their design projects and project management. The use of CADD systems provides them with enhanced production quality, lower operating costs and closer engineer participation thereby ensuring a higher quality product for the owner. To reinforce their emphasis on quality in all their designs the company uses an internal quality assurance/ quality control system and interfaces with designers from complimentary disciplines to review standards and specifications for specific project needs.

EDA is staffed to provide electrical and instrumentation engineering services from inception through design, bid and construction completion.



Legend

Polk County Firm WBE MBE



**Location: 2030 State Road 60 East
Bartow, FL 33830**

Geotechnical

Madrid Engineering Group, Inc., d/b/a/ Madrid

CPWG is firmly entrenched in Polk County, having completed literally thousands of projects within the County limits and in its towns and cities. Madrid CPWG is an award-winning local company that currently holds a continuing services engineering contract with Polk County and has worked on numerous infrastructure projects directly for Polk County, including the Facilities, Transportation and Drainage, Parks and Natural Resources Divisions and even directly for the County Manager. From start to finish, Madrid CPWG has both strength and experience in providing design, permitting, public involvement and on through construction monitoring/CEI and project closeout. Their environmental permitting experience is extensive, including local, regional (SWFWMD), statewide (FDEP), and national (USACOE wetland permitting, and current contract with the US Department of Justice and the EPA).

Madrid CPWG's geotechnical and CMT laboratories and tests performed are certified under AASHTO R18 and accredited by the Construction Materials Engineering Council (CMEC). They perform a full suite of strength, compressibility, permeability, and index tests for a wide variety of materials including soil, aggregate, rock, concrete and asphalt. Field testing capabilities include field density testing by nuclear, drive sleeve and sand cone method, in-place moisture content, concrete slump, air content and temperature. With their equipment, manpower and experience, they can respond to emergency and planned projects and have experience coordinating with many agencies.



**Location: 215 East Main Street
Bartow, FL 33830**

Environmental/Wetlands Delineation/Mitigation

Patel, Greene & Associates, LLC (PGA) was founded in 2011 and is a leader in innovative roadway, drainage, structures, and traffic engineering, as well as environmental, planning, landscape architecture, and construction services. They take great pride in providing their clients with the most cost-effective, practical, and performance-based engineering solutions that fit the needs and the budget of the project.

Located in the heart of downtown Bartow, PGA staff have significant experience with projects throughout Polk County and within its encompassing municipalities. Many of their staff members are lifelong Polk County residents, giving PGA a vested interest in the success of projects in the area.

PGA's environmental staff have extensive experience with local, state, and federal permitting, including Section 404 permits from the USACE, Bridge Permits from the USCG, Environmental Resource Permits from the WMDs, and Sovereign Submerged Lands Authorizations and NPDES Discharge Permits from the FDEP. For projects that require permitting, they can review applications, review construction plans for wetland impact details, and review proposed scopes of work/cost estimates for completeness.



Legend





**Location: 3710 Airport Commerce Drive, Suite 10
Lakeland, FL 33811**

Topo Survey and Underground Utilities

Pickett and Associates, LLC offers a team of highly experienced and diversified professionals that focus on providing personal service and attention to detail in every aspect of our work. Their professionals provide surveying, aerial mapping, and LiDAR services to public entities, electric utilities, environmental consultants, construction companies, telecommunications companies, and power and telecommunication consultants. They underpin these integrated service offerings with project management and quality. This exclusive combination of surveying, mapping, and LiDAR services provides efficient opportunities for their clients.

Pickett's professional surveyors and mappers have over a century of collective experience and are supported by strong technical and office personnel. Field crews, experienced in the latest techniques and survey measuring and communication technologies, deliver thorough, and complete field surveys that translate smoothly into the final map product.

P



PMA Consultants

**Location: 7380 West Sand Lake Road, Suite 500
Orlando, FL 32819**

Scheduling/Cost Estimating

PMA Consultants Founded in 1971, PMA Consultants is a private limited liability company with its corporate office in Detroit, Michigan, and 24 offices across the country and in Orlando, FL. For the past 53 years, PMA has provided the water and wastewater industries with the experience, commitment, and proven results to ensure successful project completion. PMA is proud to be consistently ranked in the Top 50 program management firms by Engineering News-Record since 2000. With offices in Orlando and 24 others across the United States and Canada, PMA is recognized as one of the nation's foremost planning and scheduling experts and an industry innovator. They have patented and trademarked numerous scheduling innovations that our staff use to improve the probability of timely and successful project completion.

M

WORKED WITH OUR TEAM



**Location: 58 Lake Morton Drive
Lakeland, FL 33801**

Architectural

The Lunz Group is a client-oriented, Florida based, award-winning architectural firm. At The Lunz Group, they approach every design as a collaborative experience where they listen to your vision and project goals. Their team of architects, designers and planners are in sync with the evolving demands of a modern civic work environment where municipalities want to develop state-of-the-art facilities while still meeting budgetary requirements.

Their team has experience dealing with a multitude of public and civic projects, from utilities and solid waste facilities, to administrative offices, water treatment plants, and more. Their designers are experienced with nearly every project type including interior/exterior renovations, code compliance, new construction, building assessments, studies, visualizations, and rehabilitation needs that enhance the quality of life for the community. The Lunz Group and Carollo Engineers have teamed on multiple projects to include West Polk WPF, the Polk Regional Water Cooperative SE WPF, and Polk Regional Water Cooperative facilities for multiple phases with Polk County, and have an in-depth knowledge and experience with local construction and regulatory conditions in this field. Together, our team has completed multiple projects for Polk County.

P

WORKED WITH OUR TEAM

Legend

P

Polk County Firm

W

WBE

M

MBE



Royal Consulting Services, Inc.

**Location: 7380 West Sand Lake Road, Suite 500
Orlando, FL 32819**

Rapid Infiltration Basins (Wet-Weather Disposal)

Royal Consulting Services, Inc. (RCS) is a full-service consulting, engineering, and construction management firm dedicated to helping public and private clients improve infrastructure and environmental conditions. With a hands-on approach, their professionals are involved in every step of a project—from conceptualization and permitting to design, cost estimating, construction management, operation, and site certification—ensuring personalized service and vested interest in client success.

With over 23 years of experience addressing water supply challenges across Florida, RCS possesses intimate knowledge of the state's unique hydrologic and hydraulic systems, as well as a deep understanding of the permitting and regulatory requirements at local, regional, state, and national levels. Since 2002, RCS has partnered with Toho Water Authority (TWA) on numerous projects involving the design, evaluation, and permitting of rapid infiltration basins (RIBs), groundwater flow modeling, and effluent disposal systems. These efforts have included groundbreaking work, such as securing a first-of-its-kind permit from the Florida Department of Environmental Protection (FDEP) to increase RIB loading capacities above the traditional 5.6 gpd/sq ft regulatory limitation. This experience showcases RCS's ability to deliver quality results while navigating complex regulatory landscapes.

RCS's expertise aligns seamlessly with the needs of Polk County Utilities in their development of new WWTF and WPF for the East Service Area. RCS is prepared to provide essential services such as groundwater modeling, RIB system design, and support in site selection and planning. RCS' extensive experience in working with regional utilities and tackling intricate regulatory requirements ensures that our professionals can deliver solutions that not only meet but exceed Polk County's goals and expectations.

Legend



Polk County Firm



WBE



MBE



Mark McNeal, PG

Raw Water Wells



Experience and Qualifications Relevant to Proposed Project

» Central Water Production Facility | Senior Hydrogeologist | Polk County, Florida

Mark was part of a team responsible for designing, permitting, and constructing two Upper Floridan aquifer (UFA) and one Lower Floridan aquifer (LFA) water supply wells for Polk County Utilities. He came up with and helped to implement an innovative design that resulted in a dual-use LFA and UFA supply well that is capable of 2-mgd of freshwater supply from the UFA and approximately 1-mgd of brackish water supply from the LFA. The project also investigated the entire LFA for concentrate disposal opportunities.

» Grossenbacher Water Treatment Plant | Senior Hydrogeologist | City of Apopka, Florida

Mark is part of a team that is converting an UFA water supply well to a LFA supply well as a condition of the City's Consumptive Use Permit (CUP). Replacement well No. 1 is designed to be completed to a depth of 1,400 feet below land surface (bls). He provides senior hydrogeological oversight.

» Mt. Plymouth Water Treatment Plant | Senior Hydrogeologist | City of Apopka, Florida

Mark is part of the Reiss Engineering team that converted an UFA water supply well to a LFA supply well for the Mt. Plymouth Lakes Well No. 1 replacement. He provides senior hydrogeological oversight of this work.

» Tavistock Water Treatment Plant | Senior Hydrogeologist | Orlando, Florida

Mark served as senior hydrogeologist for siting, designing, and construction oversight of a 600-foot UFA water supply well at the planned Water Treatment Plant. ASRus is a subconsultant on this project to Reiss Engineering.

» Southwest Wellfield | Senior Hydrogeologist | Polk Regional Water Cooperative, Florida

Mark is providing senior hydrogeological services for the PRWC Southeast Wellfield in Polk County.

» Imperial Lakes No. 3 | Senior Hydrogeologist | Polk County, Florida

Mark was part of a team that designed, permitted, and oversaw construction of a new water supply well at the Imperial Lakes Water Treatment Plant.

» Ponce De Leon Water Treatment Plant | Senior Hydrogeologist | JEA, Jacksonville, Florida

Mark was part of a team responsible for siting, designing, and overseeing construction of a water supply replacement well at the Ponce De Leon Water Treatment Plant. Three options were evaluated as part of the siting analysis. He provided assistance during the well construction process.

» Reclaimed Water ASP | Senior Hydrogeologist | Polk County, Florida

Mark assisted the County with demonstrating feasibility of reclaimed water ASR at the County's Northwest WWTP. Due to the extended depth of fresh water at this site, the ASR system was designed to utilize the lower Floridan aquifer (LFA) to a depth of 2,944 ft. The ASR well began cycle testing in 2014 and, due to its success, received an operation permit in 2018.

FIRM TITLE

CEO

YEARS EXPERIENCE

39 Years

EDUCATION

BS Brigham Young University,
Geological Engineering

ACTIVE REGISTRATION

Professional Geologist, FL No. 1231

PROFESSIONAL ORGANIZATIONS

N/A



Pete Larkin, PG
Hydrogeological Modeling



Experience and Qualifications Relevant to Proposed Project

» Upper and Lower Floridan Aquifer Water Supply Wells | Hydrogeologist | Polk County, Florida

Mark was part of a team responsible for designing, permitting, and constructing two Upper Floridan aquifer (UFA) and one Lower Floridan aquifer (LFA) water supply wells for Polk County Utilities. He came up with and helped to implement an innovative design that resulted in a dual-use LFA and UFA supply well that is capable of 2-mgd of freshwater supply from the UFA and approximately 1-mgd of brackish water supply from the LFA. The project also investigated the entire LFA for concentrate disposal opportunities.

» SWFWMD Lower Floridan Aquifer Investigation | Project Manager/Hydrogeologist | Polk County, Florida

Pete was part of a team that assisted the SWFWMD with the design and construction oversight of a Lower Floridan aquifer (LFA) test well in southeast Polk County. He served as the Project Manager for the initial phase of this regionally important water supply investigation and continued throughout the project providing senior technical oversight.

» Reclaimed Water ASR | Hydrogeologist | Polk County, Florida

Pete assisted with the construction oversight of the reclaimed water ASR well at the County's Northwest WWTP. The ASR system was designed to utilize the lower Floridan aquifer (LFA) to a depth of 2,944 ft.

» Peace River Manasota Regional Water Supply Authority ASR System | Project Manager/Hydrogeologist | Lakewood Ranch, Florida

Pete has been actively involved with the Peace River ASR System since 2003. Since 2009 he has been Project Manager for the hydrogeologic services contract providing regulatory support to their ASR program, recently assisting with obtaining an operation permit for the 21-well potable water ASR system, the largest ASR system in the eastern US. He is currently the Project Manager on the development of Class I injection well for RO concentrate disposal at the Peace River Facility.

» UIC Program | Project Manager/Hydrogeologist | Manatee County, Florida

Pete served as project manager for the County's injection-well-related projects including MITs, well rehabilitations, and permitting of a Class I municipal well and design and permitting of a Class V AR well while at CH2M. Now with ASRus, he continues as Sr. Hydrogeologist, overseeing the Class V AR well construction that is permitted to recharge up to 15 MGD of reuse water in the Avon Park high-permeability zone of the UFA. He is also the Sr. Hydrogeologist for the construction of an LFA Class V municipal injection well and an LFA Class I industrial municipal/RO concentrate disposal well to 3,500 feet, recently constructed at the County's North Regional WRF. He was responsible for much of the work on these projects including permitting, design, and managing all construction oversight. He is was the Project Manager for the Class I injection well at Piney Point and continues to support the County with operation and reporting for this system.

» ASR and Aquifer Recharge | Senior Hydrogeologist | City of Bradenton, Florida

Pete serves as the senior hydrogeologist to expand the City's ASR program by up to three additional ASR wells and up to 6 MGD of additional capacity. He has been responsible for preparing the permit application, technical specifications, and overseeing construction activities of the first of three ASR wells at this site. He led the permitting effort and technical specification for an aquifer recharge well into the UFA that will allow the City to reduce or eliminate its reclaimed water discharges into the Manatee River.

FIRM TITLE

Vice President

YEARS EXPERIENCE

25 Years

EDUCATION

BA University of South Florida,
Natural Science

ACTIVE REGISTRATION

Professional Geologist, FL No. 2793

PROFESSIONAL ORGANIZATIONS

N/A



Gus Bobes, PE, MAT

HVAC/Plumbing/Fire Protection



Experience and Qualifications Relevant to Proposed Project

Mr. Bobes brings to the team excellent credentials and over 38 years of experience in the project management and design of plumbing and HVAC systems for municipal, educational, and institutional projects. He bears a proven record of service to the client, innovatively designed, on time, and within budget. He has been particularly effective in assuring an effective, problem-free interface between prime and subconsulting professionals on other similar teams formed to service mid-to large-scale projects of various specific as well as mixed use types.

Experience includes the following projects serving as project principal.

- » **FDOT Design-Build Value Added Foundation Design, Sawgrass Expressway (SR 869) over Atlantic Boulevard | Geotechnical Principal | Jacksonville, Florida**
- » **New Chiller for Existing Multi-Story Office Building: HVAC Design | Orange County Utilities, Orange County, Florida**
- » **South WRF (SWRF), Campus-wide Fire Alarm Replacement- 6 Buildings: Electrical System Design | Orange County Utilities, Orlando, Florida**
- » **OCU Pump Station Package 19: Electrical Design of Lift Station Replacement at 5 Pump Stations | Orange County Utilities, Orange County, Florida**
- » **OCU Pump Station Package 16: Electrical Design of Lift Station Replacement at 5 Pump Stations - Orange County Utilities, Orange County, Florida - 2017**
- » **OCU Pump Station Package 14: Electrical Design of Lift Station Replacement at 3 Pump Stations | Orange County Utilities, Orange County, Florida**
- » **Dubsdread Wastewater Lift Station, Electrical Design | City of Orlando, Florida**
- » **CR. 535 Water Supply Facility, New Operations Building: HVAC, Plumbing + Fire Protection Design | Orange County Utilities, Orlando, Florida**
- » **Eastern WRF (EWRF) New MCC/Emergency Generator Building: HVAC Design | Orange County Utilities, Orlando, Florida**
- » **South WRF (SWRF) Generator Bi-Fuel System: Fuel System Design | Orange County Utilities, Orlando, Florida**
- » **South WRF (SWRF): HVAC + Plumbing Design | Orange County Utilities, Orange County, Florida**
- » **Beverly Shores Pump Station: Electrical Design | City of Orlando, Orlando, Florida**
- » **OUC Southeast Water Treatment Plant, Ozone Generation System: HVAC, Plumbing + Fire Protection Design | Orlando Utilities Commission, Orlando, Florida**
- » **OUC Lake Highland Water Treatment Plant, Ozone Generation System, HVAC, Plumbing + Fire Protection Design | Orlando Utilities Commission, Orlando, Florida**
- » **OUC Kirkman Water Treatment Plant, Ozone Generation System, HVAC, Plumbing + Fire Protection Design | Orlando Utilities Commission, Orlando, Florida**

FIRM TITLE

President, Project Principal

YEARS EXPERIENCE

38 Years

EDUCATION

BS University of Central Florida,
Mechanical Engineering

ACTIVE REGISTRATION

Professional Engineer, FL No. 39410

PROFESSIONAL ORGANIZATIONS

American Society of Plumbing Engineers

American Society of Heating, Refrigeration and Air
Conditioning Engineers

National Fire Protection Association

Florida Institute of Consulting Engineers



Mark Frederick, PE, ENV SP, CFM, PMP
Site/Civil/Stormwater



Experience and Qualifications Relevant to Proposed Project

» Parking Lot 5 | Project Manager/Engineer of Record | Florida Polytechnical University, Lakeland, Florida

This project involved the design of a parking lot with over 160 parking spaces to serve a new residence hall on campus. CivilSurv coordinated with the construction manager at risk during the design phase of the project to keep the project team informed. The design and construction phases were fast-tracked to ensure completion by the start of the Fall 2024 semester. Scope included topographic survey, site civil engineering design, lighting design, and permitting.

» Estates at Carpenters Site Improvements | QA/QC Reviewer | Carpenter's Home Estates, Inc., Lakeland, Florida

This project involves drainage improvements within the existing ±35-acre Continuing Care Retirement Community. The improvements were focused on nuisance flooding areas near the front of Buildings F and K. Site modifications and improvements and were coordinated with a planned addition to the buildings, including a new chapel for the campus. CivilSurv's scope of services for this project included topographic survey, engineering design, permitting, and construction administration.

» Site Development Plan Reviews | Project Manager | City of Frostproof, Frostproof, Florida

Functioned as the City Engineer in the review of site development application packages submitted by various private developers. Reviews included preliminary plats, construction plans, and final plats for residential subdivisions as well as preliminary site plans, construction plans, and final site plans for commercial developments. Applications reviewed based on City ordinances, construction standards and specifications, and industry standards. Services included review of engineering aspects including stormwater management systems and water utilities.

» Water Treatment Plant #4 Improvements | QA/QC Reviewer | City of Frostproof, Frostproof, Florida

Preliminary design of improvements to the City's WTP #4. Considered improvements included a new well and pump, addition of high service pumps and associated valves, new chlorination building and control room, demolition of obsolete equipment and structures, and miscellaneous site improvements. CivilSurv's scope of services included topographic survey and preliminary design.

» Site Development Plan Reviews | Project Manager | Polk County, Florida

Functioned as the City Engineer to review site development application packages submitted by private developers. Applications reviewed based on City ordinances, City construction standards and specifications, and industry standards. Services included review of engineering aspects including stormwater management systems and water utilities.

» Heartland Training Complex | Project Manager/Engineer of Record | Highlands County BOCC, Sebring, Florida

Provided a due diligence assessment of an approximate 35-acre site near the Sebring Airport. The County plans to redevelop the site to provide multi-functional training facilities and other public services. CivilSurv prepared an updated conceptual site plan, considering the various site constraints, and an Engineer's Opinion of Probable Construction Costs. The conceptual site plan includes a fire rescue station; an aircraft rescue and firefighting (arff) facility; sheriff's office training center campus; and animal services facility.

FIRM TITLE

Vice President of Civil Engineering

YEARS EXPERIENCE

20 Years

EDUCATION

MS University of Florida, Civil Engineering

BS Purdue University of Central Florida, Civil Engineering

ACTIVE REGISTRATION

Professional Engineer, FL No. 70671

PROFESSIONAL ORGANIZATIONS

Florida Engineering Society

American Society of Civil Engineers



Derik Bryant, PE

Yard Piping



Experience and Qualifications Relevant to Proposed Project

» Morgan Combee Road Force Main Extension | Senior Engineer | Polk County Public Schools, Lakeland, Florida

This project involves the design of a wastewater pump station and nearly 1-mile of sanitary force main. The wastewater pump station was designed to facilitate the abandonment of an aging wastewater treatment facility on the Combee Elementary School campus. CivilSurv's scope of services for this project include topographic survey, subsurface utility engineering, engineering design, permitting, and construction administration. Responsibilities include engineering design, construction plan production, and permitting support.

» Parking Lot 5 | Senior Engineer | Florida Polytechnic University, Lakeland, Florida

This project involved the design of a parking lot with over 160 parking spaces to serve a new residence hall on campus. CivilSurv coordinated with the construction manager at risk during the design phase of the project to keep the project team informed. The design and construction phases were fast-tracked to ensure project completion by the start of the Fall 2024 semester. CivilSurv's scope of services for this project included topographic survey, site civil engineering design, lighting design, and permitting.

» Estates at Carpenters Site Improvements | Senior Engineer | Carpenter's Home Estates, Inc., Lakeland, Florida

This project involves drainage improvements within the existing ± 35 -acre Continuing Care Retirement Community. The drainage improvements were focused on nuisance flooding areas near the front of Buildings F and K. Site modifications and improvements and were coordinated with a planned addition to the buildings, including a new Chapel for the campus. CivilSurv's scope of services for this project include topographic survey, engineering design, permitting, and construction administration. Responsibilities include design and layout of stormwater inlets / pipes to connect to the existing drainage system to improve current conditions.

» Philip O'Brien Elementary School Parking Lot Addition | Senior Engineer Polk County Public Schools, Lakeland, Florida

Designed the parking lot expansion to provide nearly 36 new parking spaces. These new parking spaces were added in 3 separate locations on the school's 12.8-acre campus. The SWFWMD permit for the site's existing 3 stormwater management areas was modified to account for the increased impervious area. Responsibilities included construction plan preparation, drainage calculations, and permitting coordination.

» Heartland Training Complex | Senior Engineer | Highlands County BOCC, Sebring, Florida

This project involved a due diligence assessment of an approximate 35-acre site near the Sebring Airport. The County plans to redevelop the site to provide multi-functional training facilities and other public services. As part of the due diligence assessment, CivilSurv prepared an updated conceptual site plan, considering the various site constraints, and an Engineer's Opinion of Probable Construction Costs. The conceptual site plan includes a Fire Rescue Station; an Aircraft Rescue and Fire Fighting (ARFF) facility; Sheriff's Office Training Center Campus; and Animal Services Facility.

» Water Treatment Plant #4 Improvements | Senior Engineer | City of Frostproof, Frostproof, Florida

This project involved preliminary design of improvements to the City's WTP #4. Considered improvements included a new well and pump, addition of high service pumps and associated valves, new chlorination building and control room, demolition of obsolete equipment and structures, and miscellaneous site improvements. CivilSurv's scope of services included topographic survey and preliminary design.

FIRM TITLE

Senior Design Engineer

YEARS EXPERIENCE

20 Years

EDUCATION

BS University of South Florida, Civil Engineering

ACTIVE REGISTRATION

Professional Engineer, FL No. 67369

PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineers



Jason Stanley

Subsurface Utility Investigation



Experience and Qualifications Relevant to Proposed Project

» Northeast Regional Wastewater Treatment Facility Expansion Project | SUE Lead | Polk County, Florida

This project consists of design services for the expansion of the Northeast Regional WWTF. ECHO's professional services were requested to provide subsurface utility engineering and topographic survey services.

» Wetland Monitoring Surveys at Various Locations | Survey Support | Polk County, Florida

This project consisted of wetland monitoring services and associated studies at seven different locations in Polk County. ECHO's professional services were requested to provide field survey information in support of the monitoring and studies.

» Northeast Regional Wastewater Treatment Facility Clarifier Addition | SUE Lead | Polk County, Florida

This project consisted of design service for the installation of a new clarifier and other site improvements at the existing NERWW Treatment Facility in Davenport. ECHO's services included providing subsurface utility engineering and topographic survey services.

» NE2 & NW Generators Site Improvements | SUE Lead | Polk County, Florida

This project, where ECHO provided subsurface utility engineering and topographic survey services, resulted in designating and locating the position of underground utilities located at the project generator sites defined within the project scope.

» Lake Victoria Outfall Drainage Improvements | SUE Lead | Polk County, Florida

This project is part of a drainage improvement continuing service contract for the county and consists of conducting a watershed evaluation of the Lake Victoria area and evaluating alternatives for updating the existing drainage system for the neighborhood. At the conclusion of the evaluation, the project will also require necessary design, engineering, and post-design services. ECHO provides survey and subsurface utility engineering services for this project.

» New Sanitary Force Main and Lift Station at North Park Road and Sam Allen Road | SUE Lead | Plant City, Florida

This project consisted of engineering design services for a new sanitary pressure pipeline and associated improvements at the intersection of North Park Road and Sam Allen Road in Plant City, FL. ECHO's professional services were requested to provide limited utility investigative services including performing utility vacuum excavation to confirm the location and depth of certain utilities.

FIRM TITLE

Vice President

YEARS EXPERIENCE

24 Years

EDUCATION

AS ITT Technical Institute, Design Technology

ACTIVE REGISTRATION

Qualified Stormwater Management Inspector
Florida Department of Environmental Protection:
Stormwater, Erosion and Sedimentation Control
Program – Inspector License #435

PROFESSIONAL ORGANIZATIONS

N/A



William C. Nelson, PE
Electrical



Experience and Qualifications Relevant to Proposed Project

Mr. Nelson is an experienced electrical engineer qualified in the design of environmental facilities. He provides preliminary and final design of electrical distribution systems, including single line diagrams, power plans, lighting plans, and control systems. The environmental facilities include water treatment plants, WWTPs, pump stations (booster, submersible, etc.), and solid waste facilities. His capabilities include detailed plans and specifications for contract documents, as well as conceptual design, construction administration, and technical review.

Experience includes the following projects serving as project manager.

- » **Sunbridge Potable Water, Wastewater & Reclaimed Water Treatment | Osceola County, FL**
- » **South Cross Bayou WRF - Biosolids Dewatering Facility Enhancements | Pinellas County, FL**
- » **Design-Build of River Oaks Diversion Project | Hillsborough County, FL**
- » **Conserv I WRF Clarifier Improvements | Orlando, FL**
- » **South Bermuda WRF Upgrades & Expansion Project | Toho Water Authority, FL**
- » **International Drive Potable Water Pump Station | Orange County, FL**

FIRM TITLE

Vice President

YEARS EXPERIENCE

40 Years

EDUCATION

BS University of Kentucky,

Electrical Engineering

BS University of Kentucky, Physics

ACTIVE REGISTRATION

Professional Engineer, FL No. 42017

PROFESSIONAL ORGANIZATIONS

National Society of Prof Engineers

Florida Engineering Society

Institute of Electrical and Electronic Engineers

NFPA Voting Member for Standards



Andre Kniazeff, PE
Geotechnical



Experience and Qualifications Relevant to Proposed Project

» Fort Meade Residential Development Geotechnical Investigation | Senior Geotechnical Engineer | Polk County, Florida

This project included the geotechnical investigation, design, and shallow and deep foundation recommendations for a new residential development in Polk County, Florida.

» Roads Pavement Evaluation | Senior Geotechnical Engineer | Polk County, Florida

This project included to perform pavement corings and field evaluation followed by condition assessment and remedial recommendations for several roadway alignments in Polk County, FL.

» C.R. 557 Widening | Senior Geotechnical Engineer | Polk County, Florida

This project included roadway soil survey, field exploration, and flexible pavement design for new roadway alignments. Also included foundation recommendations for culverts, major signals and signs.

» North Hollandtown Road Bridge Replacement | Senior Geotechnical Engineer | Wauchula, Florida

The project included the installation of a single span precast concrete bridge structure. Our field exploration included two standard penetration test (SPT) borings, each drilled to a depth of approximately 80 feet below existing grade (BEG) along the proposed bridge alignment.

» Old Bartow Road Sinkhole Investigation | Senior Geotechnical Engineer | Polk County, Florida

The primary objective of this investigation was to evaluate subsurface conditions in the area of the depression and to provide remedial recommendations to stabilize this feature.

» Double Barrel Box Culvert | Senior Geotechnical Engineer | Bay County, Florida

This project included the geotechnical investigation, design and recommendations for a new double barrel box culvert in Bay County, Florida. The culvert structure consisted of a reinforced concrete structure founded on a shallow foundation.

» C.R. 286 Existing Pavement Condition Survey | Senior Geotechnical Engineer | Jackson County, Florida

This project was to perform pavement corings and field evaluation followed by condition assessment and remedial recommendations for the existing roadway alignment in Jackson County, Florida.

FIRM TITLE

Senior Engineer 1

YEARS EXPERIENCE

13 Years

EDUCATION

BS University of Central Florida, Civil Engineering

ACTIVE REGISTRATION

Professional Engineer, FL No. 81315

PROFESSIONAL ORGANIZATIONS

N/A



John Delashaw, PE, MAT
Geotechnical



Experience and Qualifications Relevant to Proposed Project

» FDOT Design-Build Value Added Foundation Design, Sawgrass Expressway (SR 869) over Atlantic Boulevard | Geotechnical Principal | Jacksonville, Florida

Madrid was requested to step in as Geotechnical EOR to an existing project and provide geotechnical foundation design services for a proposed alternate bridge configuration.

» I-4/SR 557 | Geotechnical Principal | Polk County, Florida

Madrid was responsible for the geotechnical exploration program, reviewing of the subsurface investigation, laboratory-testing program, engineering analysis and report preparation for roadway soil survey. Providing technical support services for an Engineering Analysis Report (EAR) which is ongoing.

» FDOT Design-Build Interchange at MLK and I-75 | Geotechnical Principal | Brandon, Florida

Madrid serves as the Geotechnical EOR for the new interchange with multiple bridges, high MSE walls, and various signs, signals and other structures. The design includes wick drains and surcharging for the approaches at one bridge and innovative ground improvement solution to support a high MSE wall near a buried gas line.

» FDOT Roadway Projects | Geotechnical Engineer | Florida

These projects include roadway soil survey, field exploration, and flexible pavement design for several new construction, widening and rehabilitation projects. Also included are foundation recommendations for major signals and signs.

» Pavement Condition Surveys | Geotechnical Engineer | Hillsborough, Polk, and Pinellas County, Florida

These projects include performing pavement corings and field evaluation followed by condition assessment and remedial recommendations for private development and County roadways in Hillsborough, Polk, and Pinellas Counties.

» Various Engineering Analysis Reports (EARs) for FDOT Projects | Geotechnical Engineer-of-Record | District 1 and District 3, Florida

Madrid served as a third party independent evaluator and prepared multiple TPAA (Testing Plan and Analysis Approach) documents for various geotechnical issues on SR 739/US 41 Business in Lee County Florida and also for SR 10.

FIRM TITLE

Principal, Geotechnical Engineer

YEARS EXPERIENCE

34 Years

EDUCATION

BS San Diego University, Civil Engineering

ACTIVE REGISTRATION

Professional Engineer, FL No. 48154

PROFESSIONAL ORGANIZATIONS

N/A



Terry Cartwright

Environmental/Wetlands Delineation/Mitigation



Experience and Qualifications Relevant to Proposed Project

» West Pipkin Road Widening From Medulla Road to SR 37 | Roadway Engineer | Polk County Board of Commissioners, Florida

PGA worked closely with Polk County on W Pipkin Rd, a constrained corridor, to provide increased capacity while accommodating all users for this half-mile long segment. The proposed design widened the existing two-lane rural roadway to a four-lane urban facility with buffered bike lanes and sidewalks on both sides. The design for this project also included diversion structures in different locations to allow high flow storm events to “pop off” to adjacent basins and balance the hydraulic grade lines for better flood protection.

» Wildwood Subdivision Drainage Improvements | Environmental Scientist | Polk County Board of Commissioners, Lakeland, Florida

This drainage improvement project proposes to alleviate frequent flooding and standing water within the Wildwood Subdivision. The design proposes to install new ditches with side drain culverts around Primrose Court, which will tie into an enlarged storm drain trunk line on Wildflower Drive. A surge pond being built just upstream of this outfall (also designed by PGA) reduces the flow rate to accommodate this direct discharge of high flows from Wildflower Drive

» SR 572 at Don Emerson Drive Roundabout | Environmental Scientist | City of Lakeland, Florida

This project involved the design of a roundabout at the entrance of Lakeland Linder International Airport to improve safety and mobility on the corridor. Additional scope items included drainage improvements, utility coordination, and right-of-way acquisition. PGA was the prime consultant leading the roadway, drainage, and structures efforts. Tasks included wetland delineation, and potential effects to threatened and endangered species.

» Continuing Services, Resurfacing Design | Environmental Lead | FDOT District One, Florida

This task work order-based contract provides miscellaneous design services such as resurfacing, widening, rigid pavement rehabilitation, and minor design. Specific responsibilities on task work orders may include field surveys, roadway analysis and design, drainage analysis and design, utility relocation, utility, coordination, and temporary traffic control plan analysis. Terry is leading the environmental efforts on task work orders assigned through this contract.

» SR 29 from CR 846 East to North of New Market Road | Environmental Scientist | FDOT District One, Collier County, Florida

This project involves the design of a new, 3.35 mile four-lane bypass road for the City of Immokalee to improve mobility and connectivity within the regional transportation network. Terry is leading the environmental assessments and permitting of the project.

FIRM TITLE

Chief Scientist

YEARS EXPERIENCE

27 Years

EDUCATION

BS University of Florida, Forest Resources and Conservation

ACTIVE REGISTRATION

N/A

PROFESSIONAL ORGANIZATIONS

N/A



Susan Durrance

Environmental/Wetlands Delineation/Mitigation



Experience and Qualifications Relevant to Proposed Project

» West Pipkin Road Widening From Medulla Road to SR 37 | Roadway Engineer | Polk County Board of Commissioners, Florida

PGA worked closely with Polk County on W Pipkin Rd, a constrained corridor, to provide increased capacity while accommodating all users for this half-mile long segment. The proposed design widened the existing two-lane rural roadway to a four-lane urban facility with buffered bike lanes and sidewalks on both sides. The design for this project also included diversion structures in different locations to allow high flow storm events to “pop off” to adjacent basins and balance the hydraulic grade lines for better flood protection.

» Wildwood Subdivision Drainage Improvements | Environmental Scientist | Polk County Board of Commissioners, Lakeland, Florida

This drainage improvement project proposes to alleviate frequent flooding and standing water within the Wildwood Subdivision. The design proposes to install new ditches with side drain culverts around Primrose Court, which will tie into an enlarged storm drain trunk line on Wildflower Drive. A surge pond being built just upstream of this outfall (also designed by PGA) reduces the flow rate to accommodate this direct discharge of high flows from Wildflower Drive

» SR 572 at Don Emerson Drive Roundabout | Environmental Scientist | City of Lakeland, Florida

This project involved the design of a roundabout at the entrance of Lakeland Linder International Airport to improve safety and mobility on the corridor. Additional scope items included drainage improvements, utility coordination, and right-of-way acquisition. PGA was the prime consultant leading the roadway, drainage, and structures efforts. Tasks included wetland delineation, and potential effects to threatened and endangered species.

» Welling Park on Lake Easy | Environmental Scientist | Polk County, Florida

Susan was responsible for studying the potential environmental impacts associated with the construction of a park adjacent to Lake Easy in Polk County. Tasks included field reviews to determine the approximate wetland boundaries along the lake, coordination with FDEP’s Sovereignty Submerged Lands Office in Tallahassee, and environmental permitting within the proposed project.

» SR 64 at Greyhawk Boulevard | Environmental Scientist | FDOT District One, Manatee County, Florida

PGA was the prime consultant on this project designing a multi-lane roundabout to improve safety and accessibility along SR 64. The scope included major reconstruction of multiple intersections, drainage improvements, and utility coordination. Susan was responsible for verifying wetland boundaries and assessing potential impacts to threatened and endangered species.

FIRM TITLE

Senior Environmental Scientist

YEARS EXPERIENCE

21 Years

EDUCATION

BS University of South Florida, Environmental Science and Policy

BS University of South Florida, Education

ACTIVE REGISTRATION

N/A

PROFESSIONAL ORGANIZATIONS

N/A



Greg Prather, PSM

Topo Survey and Underground Utilities



Experience and Qualifications Relevant to Proposed Project

» Lake Hancock Level Modification Project | Project Manager/ Surveyor-in-Charge | South Florida Water Management District, Florida

This project included boundary surveys for multiple large acquisition parcels involved Title Policy review and application, Ordinary High-Water Line (OHWL) determination inclusive of topographic data acquisition and legal description preparation.

» Upper Peace River MFL | Project Manager/Surveyor-in-Charge | South Florida Water Management District, Florida

This project included horizontal and vertical control, as-builts, cross sections and bridge detail along Peace River from Bartow to Wauchula.

» C-43 Water Quality Treatment Area | Project Manager/Surveyor-in-Charge | South Florida Water Management District, Florida

This project included level adjustment on set targets to obtain control for photogrammetric mapping, supplement spot elevations in areas of obstructed mapping to create a combined topographic survey.

» Big Bend to Bayside | Project Manager/ Surveyor-in-Charge | TECO Peoples Gas, Florida

This project included 9-mile-long mile utility corridor project. Services included boundary surveys, easement descriptions, topographic surveys, mean high water line surveys, construction staking to support an underground gas pipeline.

» Duke Energy - PX | Contract Manager/Surveyor-in-Charge | Duke Energy, Florida

This project included the preparation of a real estate base map, description sketches, oversaw field construction staking and coordinated with client and stakeholders for 33 miles of fallen transmission after hurricane Michael.

» New River to Wire Road Cabbage Hill to Morgan Road | Contract Manager/Surveyor-in-Charge | Service Electric, Florida

This project included the overseeing of office and field staking activities for 25 miles of turbidity, road upgrades and transmission structures. Client relations and daily field crew coordination and monitoring.

» North Florida Resiliency Connection | Contract Manager/ Surveyor-in-Charge | Gulf Power, Florida

This project included the coordination of multiple survey crews for construction staking for a new, 176 mile, 161kV Transmission line through seven counties in north Florida. Quality control of all staking activities and communication between the client and multiple contractors for staking needs including easements, clearing, road construction, structures. Reporting of daily field activities and as-built data as requested.

» A2 STA | Contract Manager/Surveyor-in-Charge | Brown and Caldwell, Florida

This project included the survey of project limits for the approximately 7,000 acre A- 2 STA Stormwater Treatment Area and Survey Control Plan for 12 controlling monuments for the A2-STA.

FIRM TITLE

Vice President of Surveying

YEARS EXPERIENCE

42 Years

EDUCATION

Surveying Technology I & II, Maynard A. Travis Technical Center

ACTIVE REGISTRATION

Professional License Surveyor and Mapper, FL No. 5135

PROFESSIONAL ORGANIZATIONS

Florida Surveying & Mapping Society

- District 4 Director: 1993-1995
- District 4 Director: 2016-present
- Ridge Chapter of the FSMS
- Vice President: 1991-1992
- President: 1992-1993



Ken Vanderjagt, PE, PMP, CEP, F-AACE
Project Scheduling



PMA Consultants

Experience and Qualifications Relevant to Proposed Project

» Pinellas Water Blending Facility | Senior Scheduler | Pinellas County, Florida

Pinellas County envisioned the design and construction of a complex to collect, treat, and distribute water from three distinct sources. The water blending facility mitigated issues responsible for the County's ongoing water quality and treatment challenges. The completed basis of the Design Report included a process design, layout, phased construction plan, cash flow plan, and organization plans for the overall \$82M project. The plan was subject to a peer review and presented to the Board for appropriation. Mr. Vanderjagt managed the plant and pipeline facilities cost estimating portion of the planned construction. The estimate included 3 miles of large diameter (42- to 54-inch) water transmission pipelines.

» Southern Regional Water Supply Facility (SRWSF) | Senior Scheduler | Orange County Utilities (OCU), Orlando, Florida

This project includes adding new facilities at an undeveloped site in southwest Orange County. The duration of design and construction activities will last for 30 months. Mr. VanderJagt prepared construction cost estimates during final design phases at 60% and 90% design completion. During construction, he reviewed schedules submitted by the contractor. Mr. VanderJagt also managed early completion claims and evaluated concurrent delay and contract defenses against these claims.

» Eastern WRF (EWRF), Phases IV & V | Senior Scheduler | Orange County Utilities (OCU), Orlando, Florida

The EWRF is an advanced WWTP with a current average annual daily flow capacity of 19-mgd. Orange County plans to increase the capacity to 24-mgd and then, via an expansion, to approximately 40-mgd to accommodate future wastewater flows. During preliminary and final design, Mr. VanderJagt led the development of cost estimates. During the construction of Phase IV, Mr. VanderJagt reviewed construction schedules submitted by the contractors and worked with them to prepare CPM schedules in P6. During Phase V, he participated in the value engineering workshop to ascertain the county's most pressing needs and inserted them into the design solution.

FIRM TITLE

Senior Scheduler

YEARS EXPERIENCE

47 Years

EDUCATION

BS University of Michigan, Civil Engineering

ACTIVE REGISTRATION

Professional Engineer, FL No. 40009

Certified Estimating Professional (CEP), AACE International 2021

Project Management Professional, Project Management Institute 2008

PROFESSIONAL ORGANIZATIONS

National Society of Professional Engineers

Florida Engineering Society

AACE International

Project Management Institute



Stephen Daly

Project Cost Estimating



PMA Consultants

Experience and Qualifications Relevant to Proposed Project

» Water/Wastewater CIP 2014 -2022 | Assistant Project Manager/ Cost Estimating | Orange County Utilities (OCU), Orlando, Florida

The Orange County Utilities (OCU) \$800 million capital improvement program (CIP) includes developing long-term plans for solid waste, water/wastewater, and reclaimed water infrastructure improvements within OCU service areas. The program will also include major elements such as planning studies, capital improvement program management, utility management, operational assistance, hydraulic modeling, and other program management services. Projects in this CIP are needed to accommodate growth; expand, modernize, and improve existing facilities; and renew and replace aging facilities. Mr. Daly assists in the firm, fair and reasonable negotiations of all scope changes and monitors compliance with the client's change order process through completion.

» Water/Wastewater CIP 2014 -2022 | Assistant Project Manager/ Cost Estimating | Orange County Utilities (OCU), Orlando, Florida

Orange County Utilities (OCU), Hamlin WRF, Orlando, FL - This new \$110 million, 5.0-mgd facility includes all systems such as a preliminary treatment structure with screening, grit, and odor control; activated sludge treatment train with BNR process and diffused aeration; process air blower system and building; secondary clarifiers and clarifier splitter box; plant pump stations; tertiary filters; chlorine contact tank; chemical feed and storage systems; sludge holding tanks, gravity belt thickener equipment, a 5 million gallon ground storage tank, and a variety of pumps (NRCY, Scum, RAS, WAS, VT Transfer, VT HSP). Also included in this project is 3,600 linear feet of 36-inch diameter off-site force main and an off-site, \$8 million master pump station complete with a CIP concrete wet well, electrical building, and odor control system. Mr. Daly performed the structural cost estimate to help develop an opinion of probable construction cost at the 60% and 100% design phases.

» Southwest WRF, Phase 1 | Assistant Project Manager/Cost Estimating | Orange County Utilities (OCU), Orlando, Florida

Orange County Utilities (OCU) currently owns and operates three regional water reclamation facilities (WRF) that chemically treat the wastewater generated in its collection system. All three treatment facilities produce reclaimed water for public access reuse as regulated by Federal regulations. As part of a previous master plan developed, a fourth new WRF was proposed to be constructed by 2015 to serve a portion of the south-west portions of service area, currently being served by its south WRF. Mr. Daly performed the structural cost estimate to help develop an opinion of probable construction cost at the 60% and 100% design phases.

» Orange County Convention Center | Assistant Project Manager/ Cost Estimating | Orange County Utilities (OCU), Orlando, Florida

The Orange County Convention Center completed an evaluation of the existing chilled water service that includes two chilled water production plants, three distribution and pump station networks, three control centers and approximately 100,000 linear feet of chilled water piping. During the chilled water assessment (primary side and secondary side), Mr. Daly helped prepare an opinion of probable asset value and an opinion of future maintenance cost. The opinion of probable cost for existing equipment (Central and North Energy Plants) was based on the engineer's assessment of existing conditions and opinions on useful life expectancies of the equipment.

FIRM TITLE

Assistant Project Manager

YEARS EXPERIENCE

13 Years

EDUCATION

BS Wentworth Institution of Technology,
Construction Management

ACTIVE REGISTRATION

Massachusetts Unrestricted Construction
Supervisor License, obtained December 2015
OSHA 30, obtained 2008

PROFESSIONAL ORGANIZATIONS

N/A



James “Jimi” Pendley
Architectural



Experience and Qualifications Relevant to Proposed Project

» SWRWWTF Southwest Regional Wastewater Treatment Facility | Project Manager | Polk County, Florida

The Lunz Group provided architectural and engineering services to house the administrative, SCADA and operations control room of the waste-water treatment facility. The facility was designed as a Class IV essential building. The facility has emergency generator power available to help serve as an Emergency Operations Center in the event of a natural disaster.

» Utilities and Solid Waste Departments | Project Manager | Plant City, Florida

The Lunz Group provided architectural design and engineering services for a one-story office building for Plant City's Utilities and Solid Waste Department. The facility provides administrative space, full break-room amenities for the Public works and Solid Waste departments. The facility was designed with wind rated windows, doors and roof structure. The facility was designed to operate as an Emergency Operations Center with full restroom and shower facilities, full kitchen amenities in the event it is needed to serve as an EOC.

Other experience includes the following projects serving as senior project manager.

- » Polk County Utilities Operations | Winter Haven, Florida
- » Plant City Utilities & Solid Waste Facility | Winter Haven, Florida
- » Polk Regional Water Cooperative Water Processing Facility | Polk County, Florida
- » Winter Haven Fire Station No. 3 | Winter Haven, Florida
- » Southwest Regional Wastewater Treatment Facility Operations | Mulberry, Florida
- » Brooksville Public Works Facility | Brooksville, Florida
- » Polk Regional Water Cooperative Southeast Wellfield & Water Facility | Polk County, Florida
- » Tri-county Human Services Upgrades | Lakeland, Florida
- » City of Wildwood Municipal Services Complex | Wildwood, Florida
- » Titusville Transfer Station | Titusville, Florida
- » R + L Carrier Facility | Ocala, Florida
- » Crete Carrier Facility | Lakeland, Florida
- » Treatt USA Corporate Headquarters | Lakeland, Florida
- » Bonnet Springs Park Phase III | Lakeland, Florida
- » Plant City Tennis Center | Plant City, Florida
- » George Jenkins Boys & Girls Club Phase II | Winter Haven, Florida
- » Lakeland Automall Parts Warehouse Build | Lakeland, Florida
- » Sleepy Hill Fire Station | Lakeland, Florida
- » Myakka River State Park | Myakka, Florida

FIRM TITLE

Senior Project Manager

YEARS EXPERIENCE

22 Years

EDUCATION

MA University of South Florida, Architecture

AA Manatee State College

ACTIVE REGISTRATION

N/A

PROFESSIONAL ORGANIZATIONS

N/A



Brian Roy, PE

Rapid Infiltration Basins (Wet-Weather Disposal)



Royal Consulting Services, Inc.

Experience and Qualifications Relevant to Proposed Project

» Imperial RIBS Relocation | Engineer of Record | City of Kissimmee, Florida

Mr. Roy conducted the groundwater flow modeling to evaluate the proposed development of the City's Imperial RIBs site into a golf course. The groundwater modeling provided design alternatives for maximizing effluent disposal capacity while providing for the inclusion two 18-hole golf courses and related facilities. Mr. Roy met with the Greg Norman design team to reshape existing RIBs and fit new ones into the golf course design, while maintaining functionality and ensuring the project was aesthetically pleasing to the developer. Mr. Roy was able to increase the bottom loading area of each individual RIB as well as the overall capacity of the site. The project included the final design, cost analysis, and construction oversight.

» 3A Groundwater Modeling - Kanapaha Water Reclamation Facility | Project Engineer | Gainesville Regional Utilities, Florida

Mr. Roy completed this project as a subconsultant to JE's contract with Gainesville Regional Utilities. This project consisted of the developing a groundwater flow model to be used for the design of RIBs for Gainesville Regional Utilities. Due to the complex geologic framework of this area, which involves the Floridan Aquifer in both confined and unconfined states, an exhaustive review of both regional and site-specific information was analyzed to formulate an accurate conceptual model of groundwater flow. A series of predictive simulations were prepared to provide estimates for the allowable RIB loading as well as the corresponding potential impact to Lake Kanapaha, which was adjacent to the proposed RIB sites.

» Supplemental Water Supply Plan | Quality Assurance/Quality Control | Polk County, Florida

Mr. Roy oversaw this project providing alternative water supply planning support for the City of St. Cloud and Polk County. For the City of St. Cloud project, RCS developed a planning-level groundwater flow model to evaluate the potential supply from a surficial aquifer wellfield in select areas near surface water features (i.e., East Lake Toho). For the Polk County project, RCS developed a reservoir model to determine the potential water supply that could be derived from various locations along the Peace and Alafia Rivers. In addition, RCS conducted an analysis of a potential stormwater capture and reuse system for one lake system.

» Eastern Water Reclamation Facility Pump System Evaluation | Assistant Project Manager | Orange County, Florida

Provided management of the 18-month project to evaluate the wastewater treatment facilities from the homeowner through the treatment facility. Primary focuses of the project were: data collection and evaluation; population and flow projections; transmission system modeling (Cybernet); wastewater treatment facility modeling (GPS-X); and evaluation of alternative solutions to peak flows. Evaluations included modifying pump stations, plant equalization, SCADA systems, and RDI/I determinations.

FIRM TITLE

Water Resource Engineering

YEARS EXPERIENCE

23 Years

EDUCATION

MA Agricultural Engineering

ACTIVE REGISTRATION

Professional Engineer, FL No. 45366

PROFESSIONAL ORGANIZATIONS

N/A

Is the Firm a “Polk County Entity?”

Carollo has been responsively providing water and wastewater engineering services to Polk County since 2014.

While we do not have an office in Polk County, we continue to provide responsive service from our nearby Orlando office. We have included five subconsultants that are located in Polk County as noted below.

CAROLLO ENGINEERS, INC.

FIRM HEADQUARTERS: 2795 Mitchell Drive, Walnut Creek, CA 94598 / Ph: 925-932-1710

RESPONSIBLE OFFICE: 200 E. Robinson Street, Suite 1400, Orlando, FL 32801 / Ph: 407-478-4642 / Office Established: 2008 / 47 Employees



CIVILSURV | SITE/CIVIL/STORMWATER

FIRM HEADQUARTERS: 2525 Drane Field Road, Suite 7, Lakeland, FL 33811 /

Ph: 863-646-4771

RESPONSIBLE OFFICE: 2525 Drane Field Road, Suite 7, Lakeland, FL 33811 /

Ph: 863-646-4771

OFFICE ESTABLISHED: 2010 / 37 Employees



MADRID CPWG | GEOTECHNICAL

FIRM HEADQUARTERS: 2030 State Road 60 East, Bartow, FL 33830 /

Ph: 863-533-9007

RESPONSIBLE OFFICE: 2030 State Road 60 East, Bartow, FL 33830 /

Ph: 863-533-9007

OFFICE ESTABLISHED: 1994 / 45 Employees



PATEL, GREEN AND ASSOCIATES (PGA) | ENVIRONMENTAL/WETLANDS DELINEATION/MITIGATION

FIRM HEADQUARTERS: 12570 Telecom Drive, Temple Terrace, FL 33637 /

Ph: 813-978-3100

RESPONSIBLE OFFICE: 215 East Main Street, Bartow, FL 33830 / Ph: 863-533-7317

OFFICE ESTABLISHED: 2011 / 25 Employees



PICKETT & ASSOCIATES, LLC | TOPO SURVEY AND UNDERGROUND UTILITIES

FIRM HEADQUARTERS: 5010 West Nassau Street, Tampa, FL 33607 /

Ph: 813-877-7770

RESPONSIBLE OFFICE: 3710 Airport Commerce Drive, Suite 10, Lakeland, FL 33811

/ Ph: 863-533-9095

OFFICE ESTABLISHED: 2021 / 37 Employees (Pickett has been located in Bartow since its inception in 1960, just recently moved to Lakeland)



THE LUNZ GROUP | ARCHITECTURAL

FIRM HEADQUARTERS: 58 Lake Morton Drive, Lakeland, FL 33801 /

Ph: 863-682-1882


RESPONSIBLE OFFICE: 58 Lake Morton Drive, Lakeland, FL 33801 /

Ph: 863-682-1882

OFFICE ESTABLISHED: 1987 / 25 Employees

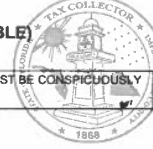
Business Tax Receipts

| POLK COUNTY LOCAL BUSINESS TAX RECEIPT | | |
|---|-----------|---|
| ACCOUNT NO. 1243 | CLASS: B+ | EXPIRES: 09/30/2025 |
| OWNER NAME | | LOCATION |
| CRAIG R FULLER | | 2525 DRANE FIELD RD SUITE 7 LAKELAND |
| BUSINESS NAME AND MAILING ADDRESS | | CODE ACTIVITY TYPE |
| CIVILSURV DESIGN GROUP INC CIVILSURV DESIGN GROUP INC 2525 DRANE FIELD RD SUITE 7 LAKELAND, FL 338111360 | | 540250 SURVEYOR MAPPER 540190 PROFESSIONAL ENGINEER PROFESSIONAL LICENSE (IF APPLICABLE) - |
| OFFICE OF JOE G. TEDDER, CFC * TAX COLLECTOR | | THIS POLK COUNTY LOCAL BUSINESS TAX RECEIPT MUST BE CONSPICUOUSLY DISPLAYED AT THE BUSINESS LOCATION |
| PAID - 2491221 07/10/2024 OPY OLP 57.75 CIVILSURV DESIGN GROUP INC | | |




CivilSurv Design Group, Inc.

| POLK COUNTY LOCAL BUSINESS TAX RECEIPT | | |
|---|-----------|---|
| ACCOUNT NO. 1289 | CLASS: B+ | EXPIRES: 09/30/2024 |
| OWNER NAME | | LOCATION |
| SHEILA TARTE | | 2030 HWY 60 E BARTOW |
| BUSINESS NAME AND MAILING ADDRESS | | CODE ACTIVITY TYPE |
| MADRID ENGINEERING GROUP MADRID ENGINEERING GROUP 2030 HWY 60 E BARTOW, FL 338304268 | | 540190 PROFESSIONAL ENGINEER PROFESSIONAL LICENSE (IF APPLICABLE) - |
| OFFICE OF JOE G. TEDDER, CFC * TAX COLLECTOR | | THIS POLK COUNTY LOCAL BUSINESS TAX RECEIPT MUST BE CONSPICUOUSLY DISPLAYED AT THE BUSINESS LOCATION |
| PAID - 1785119 10/12/2023 CAG TAX 73.53 MADRID ENGINEERING GROUP | | |




Madrid Engineering Group, Inc.

| POLK COUNTY LOCAL BUSINESS TAX RECEIPT | | |
|--|-----------|---|
| ACCOUNT NO. 149244 | CLASS: B+ | EXPIRES: 09/30/2024 |
| OWNER NAME | | LOCATION |
| GORDON M GREENE | | 215 E MAIN ST BARTOW |
| BUSINESS NAME AND MAILING ADDRESS | | CODE ACTIVITY TYPE |
| PATEL, GREENE & ASSOCIATES INC PATEL, GREENE & ASSOCIATES, INC 215 E MAIN ST BARTOW, FL 338303658 | | 540190 PROFESSIONAL ENGINEER PROFESSIONAL LICENSE (IF APPLICABLE) - |
| OFFICE OF JOE G. TEDDER, CFC * TAX COLLECTOR | | THIS POLK COUNTY LOCAL BUSINESS TAX RECEIPT MUST BE CONSPICUOUSLY DISPLAYED AT THE BUSINESS LOCATION |
| PAID - 1755950 09/24/2023 OPY OLP 57.75 PATEL, GREENE & ASSOCIATES INC | | |



Patel, Green, & Associates

Business Tax Receipts



**CITY OF
Lakeland**
COMMUNITY & ECONOMIC
DEVELOPMENT

Business Tax Office
228 S. Massachusetts Ave
Lakeland, FL 33801
(863)834-6025

7/7/2023

BUSINESS TAX RECEIPT RENEWAL INVOICE

Mailing Address:
PICKETT AND ASSOCIATES INC

5010 W NASSAU ST
TAMPA, FL 33607

Master Account: 1398459

The Total Amount Due includes business tax receipts for the locations listed on the reverse of this invoice.

| | |
|--------------------------|-----------------|
| Business Tax: | \$847.17 |
| Penalty Fee: | \$0.00 |
| Collection Fee: | \$0.00 |
| Balance Fwd: | \$0.00 |
| Payments: | <u>\$0.00</u> |
| Total Amount Due: | \$847.17 |

You may also pay by credit card online at <http://etrakit.lakelandgov.net/etrakit3/>

| On or before September 30, 2023 | October (Add 10%) | November (Add 15%) | December (Add 20%) | January and after (Add 25%) |
|------------------------------------|-------------------|--------------------|--------------------|--------------------------------|
| \$847.17 | \$931.89 | \$974.25 | \$1,016.60 | \$1,058.96 |

Upon payment of the invoice, a separate Business Tax Receipt will be issued for each business location. The receipt must be displayed or available for inspection at each business location. Conducting a business in the City of Lakeland without having first obtained a Business Tax Receipt is a violation of City Ordinance and State Statute.

Keep this Portion for Your Records

| DATE | INVOICE NO. | COMMENT | AMOUNT | NET AMOUNT |
|----------------------|-------------|-------------------|---------------------------------|---------------------|
| 08/07/2023 | July23 | Account # 1398459 | | 847.17 |
| DATE 09/12/23 | | | VENDOR City of Lakeland. | TOTAL 847.17 |

Pickett & Associates, Inc.

POLK COUNTY LOCAL BUSINESS TAX RECEIPT

ACCOUNT NO. 59

CLASS: B+

EXPIRES: 09/30/2024

| | |
|-----------------------|---------------------------------------|
| OWNER NAME | LOCATION |
| BRADLEY T LUNZ | 58 LAKE MORTON DR LAKELAND |

BUSINESS NAME AND MAILING ADDRESS

THE LUNZ GROUP
THE LUNZ GROUP
58 LAKE MORTON DR
LAKELAND, FL 338015344

CODE **ACTIVITY TYPE**

540010 **ARCHITECT**

PROFESSIONAL LICENSE (IF APPLICABLE)


OFFICE OF JOE G. TEDDER, CFC * TAX COLLECTOR

THIS POLK COUNTY LOCAL BUSINESS TAX RECEIPT MUST BE CONSPICUOUSLY
DISPLAYED AT THE BUSINESS LOCATION

PAID - 1695537 08/14/2023 OPY

OLP 57.75

THE LUNZ GROUP



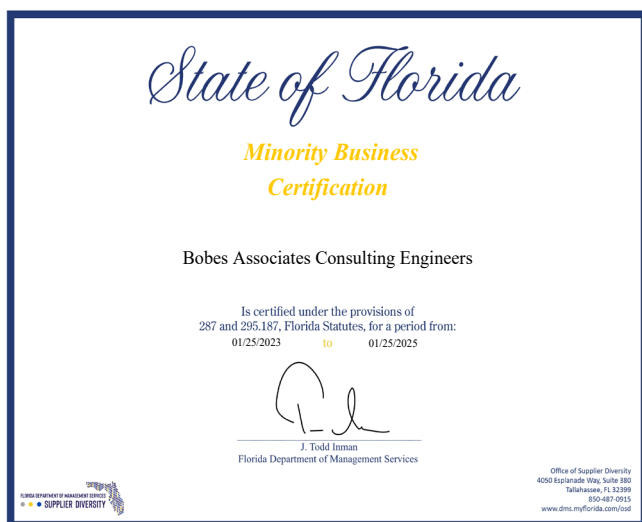
The Lunz Group

Is the Firm a “Certified Woman or Minority Business Enterprise?”

Carollo has consistently partnered and collaborated with women-owned and minority-owned businesses since the early 1970s. Associations between Carollo and MBE & WBE firms are formed so meaningful involvement is provided to each team member in their respective area of expertise.

W/MBE

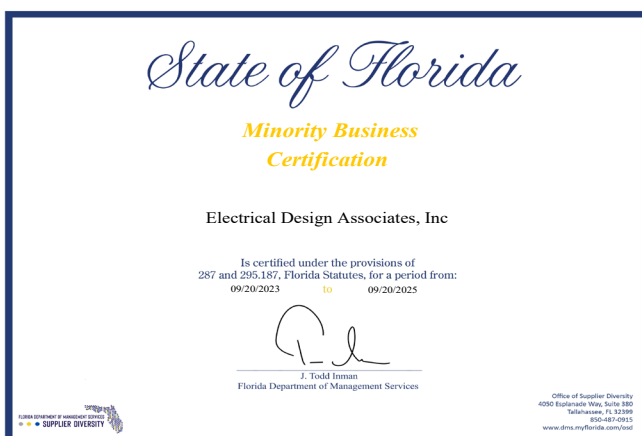
Carollo is not a W/MBE firm. We do consistently meet or exceed client W/MBE goals and have included six subconsultant partners on our team that are designated disadvantaged firms. (Bobes Associates, ECHO UES, Electrical Design Associates, Madrid Engineering, Patel, Green & Associates, and PMA Consultants) are WBEs and/or MBEs. CivilSurv is certified SBE with other state agencies. Certifications for these subconsultants are provided in this section.



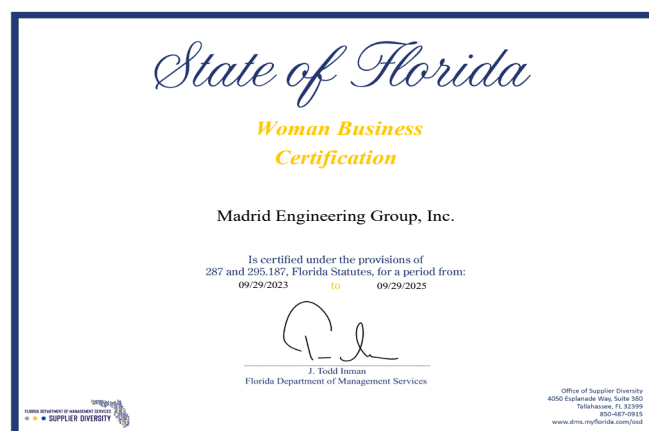
Bobes Associates Consulting Engineers



ECHO UES, Inc.



Electrical Design Associates



Madrid Engineering Group, Inc.



Patel, Green, & Associates

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

December 16, 2021

REGISTERED VENDOR NO.: 117512

Mr. Graig R Fuller, President
CivilSurv Design Group, Inc.
2525 Drane Field Road, Suite 7
Lakeland, FL 33811

CERTIFICATION EFFECTIVE DATE:
January 8, 2022

CERTIFICATION EXPIRATION DATE:
January 8, 2025

Dear Mr. Fuller:

Congratulations, the South Florida Water Management District (District) has recertified your firm as a Small Business Enterprise (SBE). This certification is valid for three (3) years and may only be applied when business is conducted in the following area(s):

Professional Engineering, Surveying & Mapping Services

Your submittal of bids or proposals to supply other products or services outside of the specialty area(s) noted above will not count toward SBE participation. If you require certification in other specialty areas, please contact the Procurement Bureau, SBE Section, for additional information.

Renewal is required every three (3) years and should be requested a minimum of 45 days prior to the above expiration date.

If any changes occur within your company during the certification period such as ownership, affiliate company status, address, telephone number, licensing status, gross revenue, or any information that relates to your SBE Certification status, you must notify this office in writing immediately. It is imperative that we maintain current information on your company at all times.

Certification is not a guarantee that your firm will receive work, nor an assurance that your firm will remain in the District's vendor database.

We look forward to a mutually beneficial working relationship.

Sincerely,

Jennifer Dollar
SBE Program Specialist
Procurement Bureau

JD

CivilSurv Design Group, Inc.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
SMALL BUSINESS AFFIDAVIT

275-000-01
EQUAL OPPORTUNITY
OSC - 3821
Page 1 of 2

Submit completed form to smallbusiness@dot.state.fl.us

Firm Type (select only one option below):

☐ Construction Firms and all other Non-Professional Services Firms

☒ Professional Services

Firms must be registered in MyFloridaMarketPlace (MFMP) before the Department is able to add to the small business database. Information to register with MFMP is available here:
http://www.dms.myflorida.com/business_operations/state_purchasing/myfloridamarketplace

Please note: Completion of this form and listing on the small business site does not constitute Prequalification with FDOT.

Contractors who wish to become prequalified with FDOT in construction work classes should go to:
<https://www.fdot.gov/contracts/prequal-info/prequalified.shtm>

Consultants who wish to become prequalified with FDOT in Professional Services work types should visit:
<https://www.fdot.gov/procurement/prequalification.shtm>

Business Name CivilSurv Design Group, Inc.

Business Address 2525 Drane Field Rd. Suite 7 Lakeland Florida 33811
Street City State Zip

Mailing Address 2525 Drane Field Rd. Suite 7 Lakeland Florida 33811
Street City State Zip

Telephone 8636464771 Other _____

Business Owner Craig R. Fuller

E-mail cfuller@civilsurv.com Date Business Established 03/2010

Federal Employer Identification Number 27-1816201

FDOT Districts I am interested in performing work in: (Please check all that apply)

☒ District 1 ☒ District 4 ☒ District 7

☒ District 2 ☒ District 5 ☒ Turnpike

☒ District 3 ☒ District 6 ☒ Central Office

CivilSurv Design Group, Inc.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
SMALL BUSINESS AFFIDAVIT

275-000-01
EQUAL OPPORTUNITY
OSC - 3821
Page 2 of 2

I, Craig R. Fuller, am an owner or duly authorized representative of CivilSurv Design Group, Inc. (Proposer/Name of business), and I do hereby declare:

This business:

☒ Meets the definition for a small business pursuant to Section 337.027, F.S.

Gross revenues, three year average (include affiliate businesses) \$ 4,756,829.00

Pursuant to Section 337.027, F.S., a small business means a business with yearly average gross receipts of less than \$16 million for road and bridge contracts and less than \$6.5 million for professional and nonprofessional services contracts. A business' average gross receipts is determined by averaging its annual gross receipts over the last three years, including the receipts of any affiliates as defined in Section 337.165, F.S.

The undersigned hereby authorize(s) and request(s) any person, firm or corporation to furnish any pertinent information requested by the State of Florida Department of Transportation deemed necessary to verify the statements made in this affidavit or regarding the ability, standing and general reputation of the Proposer. I declare, under penalty of perjury, that the information provided above and any supporting documents are true and accurate to the best of my knowledge. By submittal of the Affidavit certification, you are affirming that your firm meets the definition for a small business, pursuant to s. 337.027, F.S. It is the responsibility of the owner/authorized representative to inform the Department within 30 days of any change that would affect your small business eligibility, including average gross revenues over the prior three years exceeding the small business size threshold. Changes that would affect eligibility should be communicated to smallbusiness@dot.state.fl.us. This certification is good for one year or until your firm exceeds the small business threshold, whichever is earlier. To ensure regulatory compliance and accountability for the Business Development Initiative program, firms agree to furnish any pertinent information to verify the statements in this Small Business Affidavit Certification, upon request by the Department. If financial documents are not timely provided within 10 business days, or financial documents do not confirm small business eligibility, the Department reserves the right to revoke this small business certification.

Craig R. Fuller 07/15/2024 Date
Owner/Authorized Representative Signature

Craig R. Fuller, President
Owner/Authorized Representative Printed Name & Title

Notary:

STATE OF Florida

COUNTY OF Polk

Before me, the above signed authority, personally appeared Craig R. Fuller, who is personally known to me or has produced _____ (type of identification) identification and is duly sworn, deposes and says that he/she is authorized to represent CivilSurv Design Group, Inc. (business). Sworn and subscribed to before me this 15 day of July, 2024.

Melisha D. Harrell 2/16/2028
(Notary Signature) My Commission Expires:

Melisha D. Harrell
Comm. #HH 456198
Expires: Feb. 16, 2028
Notary Public - State of Florida

CivilSurv Design Group, Inc.

Certified Profile CLOSE WINDOW

[Print](#)

Business & Contact Information

| | |
|---------------|--|
| BUSINESS NAME | PMA Consultants, LLC |
| OWNER | Mr Gui Ponce de Leon |
| ADDRESS | 7380 W. Sand Lake Road Suite 500 Orlando, FL 32819-3430 [map] |
| PHONE | 734-769-0530 |
| FAX | 734-827-0230 |
| EMAIL | accounting@pmaconsultants.com |
| WEBSITE | http://www.pmaconsultants.com |

Certification Information

| | |
|--------------------------------|---|
| CERTIFYING AGENCY | Greater Orlando Aviation Authority |
| CERTIFICATION TYPE | MWBE - Minority/Women Business Enterprise |
| CERTIFICATION DATE | 7/21/2023 |
| RENEWAL DATE | 6/30/2025 |
| EXPIRATION DATE | 6/30/2025 |
| CERTIFIED BUSINESS DESCRIPTION | Program/Cost/Schedule/Claims Management/It Services |

Commodity Codes


| Code | Description |
|--------------|----------------------|
| NAICS 541330 | Engineering services |

This profile was generated on 8/19/2024



PMA Consultants, LLC

PMA Consultants, LLC

 **City of Tampa**
Florida

Minority and Small Business Development

Certification Program

This is to certify that in accordance with City of Tampa Ordinance 2008-89

PMA Consultants, L.L.C.

is hereby certified as a

Minority Business Enterprise (MBE)

In the following specialty(ies)

Contract/Project Management, Claims Assistance & Analysis Services

The certification is valid from August 24, 2023 to September 17, 2025

recertification are required prior to the expiration date listed above. If at any time changes are made in the firm that are not in concert with our requirements, you agree to report those changes to us for evaluation. The City of Tampa reserves the right to terminate this certification at anytime s eligibility requirements are not being met.

Gregory K. Hart

Gregory K. Hart, Manager
Minority and Small Business Manager

PMA Consultants, LLC

Interaction with County and Regulatory Agency Staff

We will bring our experience from several PCU projects where we closely coordinated with PCU and regulatory agencies.

Understanding PCU's Regulatory Needs

Our team, led by **Vic Godlewski**, includes experts in various types of permitting needed for these facilities, including Dale Helms for the East WPF permitting; David Tran for the East WWTF permitting; and Elisabetta Natale for both facilities building permits.



Carollo staff can assist PCU in giving tours and answering complex technical questions related to potable reuse to regulators.

We Appreciate the Importance of Collaborating with PCU's Operations Staff

NWRWWTF and SWRWWTF. We recently completed the conceptual design for the liquid stream improvements at both plants. Our foundational knowledge of these two WWTFs, as well as PCU's operational preferences, will lead to time and money savings for PCU as we collaborate on the new East WWTF.

Regulatory Aspect: The experience working on this project provided us with in-depth knowledge of the permitting necessary for these improvements at both facilities.

Gibson Oaks Water Production Facility Project. Our team coordinated with PCU, CivilSurv, and PCU Land Development Division for site acceptance. Our team also collaborated with The Lunz Group and PCU to obtain the Certificate of Occupancy Commercial for the Gibson Oaks Operations Building, as well as

Certificates of Completion for the generator, chemical storage, existing well pump building, and ground storage tank.

Cherry Hill Water Production Facility. Carollo has worked hand in hand with PCU Operations staff on the direct potable reuse pilot. Carollo regularly meets with Operations staff in the field and virtually to facilitate knowledge exchange, collaboration, and communication to maintain normal operations of the facility. Working side-by-side with your maintenance staff to troubleshoot and proactively identify issues has allowed Carollo to develop a trusting relationship with several staff members in your O&M team.

Regulatory Aspect: Carollo is developing rule language on several technical topics for the DPR rule, and is a trusted source of industry experience for FDEP. Serving as the technical and operations lead on the Cherry Hill DPR pilot, we are able to bring this wealth of information to PCU's project and has led multiple successful meetings with FDEP

and Florida Department of Health personnel. *Our team's ability to stay ahead of the curve and anticipate questions from these regulatory agencies has allowed the project to move forward according to schedule with minimal impacts to the original pilot test plan, resulting in cost and resources savings for PCU.*

Advanced Metering Infrastructure project. Carollo has worked well with diverse County staff including Utility Operations, Engineering and Customer Service and Building.

David Tran brings specialized permitting experience on both water and wastewater treatment projects throughout Central Florida. On the PRWC WPF raw water transmission project, David coordinated with local entities including State Forest management and utility easement owners as part of being the project engineer.

Timely Completion of Projects

We will listen carefully to you to understand your preferences, and then **customize solutions** to fit your needs. We will then develop and design these solutions in an **interactive manner** and deliver our work in the time and way it was promised.

Our Carollo team is adept at managing complex wastewater treatment plant improvements, with strong project and resource management expertise. Led by our project managers, Sudhan Paranjape and Jeremy O'Neal, the Carollo team will maintain clear and open communications with PCU staff to deliver a quality project on time and within budget.

Comprehensive Procedures for Project Management and Delivery

Carollo's standard procedures for project management and delivery have been developed and refined over our 91-year history and contribute to our responsiveness to our clients' needs. Key elements of our management approach include:



Communication – Emphasis on communication with the client and within the project team.



Quality Control – Key senior staff involvement.



Frequent Comparison – Comparison between planned versus actual budget and schedule.

Inherent to our project delivery approach is the active participation of a technical leader in each project. Vic Godlewski and our quality control team will monitor the work progress and provide technical overview to resolve concerns before they become significant problems.

Carollo utilizes BST10 for project management. Starting with the pursuit of a project, we track that level of effort for our staff in BST10. Each contract initiates a new work order number in BST10. Project managers complete monthly updates of the percent of work complete and the project resource plans.

Tracking Our Current and Future Projected Workload

Our Florida region has 366 ongoing projects, as well as 42 current continuing services contracts. Our Florida staff currently has a 72.3% staff utilization rate. To date, Carollo has 23 awarded unbooked projects in Florida.

Carollo utilizes BST10 for our project management. Every month, project managers update the percent complete and resource plans for their projects. Florida's regional resource manager coordinates with office managers, both individually and in a statewide monthly meeting, to proactively review staff utilization (workload and availability) and confirm that no one is over committed. These actions mitigate risks of the quality of work and project schedules being affected.

Our Staffing Plan for Project Success

Staffing is key to successful project delivery and an integral part of our quality management program. Our fundamental approach is to assemble the best-qualified team members to match the project requirements. We then review the scope of the project and review staffing levels and budgets from similar projects to estimate labor requirements to complete a project.

A labor-hour estimate is made for each task in the Scope of Work. The estimate includes time for site visits and meetings, as well as in-office engineering work for the project. We then use historical data, modified for project-specific requirements, to estimate the types of services and personnel classifications to complete each task. For example, our historical records indicate that a typical project design will be about 55 percent professional staff, 40 percent design technicians, and 5 percent clerical.

The project schedule has a significant impact on staffing planning. Project milestones are identified early on, and labor hour requirements per task are estimated to determine staffing levels to complete the task by the milestone date. The staffing levels are broken down by discipline to determine overall office personnel planning.

We combine this staffing effort with our project planning, monitoring, and reporting procedures so each project has adequate resources to meet the project schedule.

We Are Ready for You to Put Us to Work

We have been tracking this project, so it is already represented in our workload projections. We are currently staffed to successfully fulfill the scope of services. Moreover, Carollo is proactive in hiring and relocating talented and committed staff to meet your needs. Our Orlando and Tampa offices alone have added ten new team members in the past 12-months, including drafting staff, electrical/I&C, structural, and water/wastewater (environmental) engineers. This commitment to hiring staff, along with our proven ability to leverage the skills and talents of our subconsultants and key Carollo staff from other offices has allowed us to deliver on our promises of on-time service.

Meeting the Schedule Milestones

For the East WPF and WWTF, you have our commitment to be on time with each schedule milestone during the design and bidding phases. Assuming a CMAR delivery method, the CMAR will have responsibility for the project schedule during construction. The Carollo team is committed to supporting your contractor during construction to achieve their schedule.

We understand that unanticipated needs may arise during a project that require shifts in schedule milestones or additional resources. Carollo's Florida regional resource manager, Amanda Bauner, leads the company-wide coordination of all regional resource managers, giving her the ability to expediently identify additional resources based on the technical and timely needs.

PMA Consulting is part of our team, bringing their scheduling expertise to these projects. PMA Consulting has proven to be a valuable partner with Carollo on other projects with their detailed reviews of the contractor's critical path method (CPM) construction baseline schedule. PMA identifies potential schedule impacts after reviewing proposed changes. These valuable services helped the team to stay on schedule during a 3-year long construction of the Pasco County Southeast WWTP expansion.



As detailed above, staffing levels will be scheduled and reviewed monthly to confirm our resource allocations. Progress on assignments by our other subconsultants will be monitored closely so delivery of their work products supports our overall schedule requirements.

Surveys of Past Performance

Survey Questionnaire – Polk County RFP 24-551, Engineering Services for East Regional Water Production and Wastewater Treatment Facilities

To: Holden Wright (Name of Person completing survey)

Polk County Utilities (Name of Client Company/Contractor) Phone
Number: 863-534-6467 Email: holdenwright@polk-county.net

Total Annual Budget of Entity _____

Subject: Past Performance Survey of Similar work:

Project name: Gibson Oaks Water Production Facility

Name of Vendor being surveyed: Carollo Engineers, Inc.

Cost of Services: Original Cost: \$1.9 M

Ending Cost: Project is in substantial completion.


Contract Start Date: 2017

Contract End Date: 2024

Rate each of the criteria on a scale of 1 to 10, with 10 representing that you were very satisfied (and would hire the Consultant /individual again) and 1 representing that you were very unsatisfied (and would never hire the Consultant /individual again). Please rate each of the criteria to the best of your knowledge. If you do not have sufficient knowledge of past performance in a particular area, leave it blank.

| NO | CRITERIA | UNIT | SCORE |
|----|--|--------|-------|
| 1 | Ability to manage cost | (1-10) | 9 |
| 2 | Ability to maintain project schedule (complete on-time/early) | (1-10) | 10 |
| 3 | Quality of workmanship | (1-10) | 10 |
| 4 | Professionalism and ability to manage | (1-10) | 10 |
| 5 | Close out process | (1-10) | 10 |
| 6 | Ability to communicate with Client's staff | (1-10) | 10 |
| 7 | Ability to resolve issues promptly | (1-10) | 10 |
| 8 | Ability to follow protocol | (1-10) | 9 |
| 9 | Ability to maintain proper documentation | (1-10) | 10 |
| 10 | Appropriate application of technology | (1-10) | 10 |
| 11 | Overall Client satisfaction and comfort level in hiring | (1-10) | 10 |
| 12 | Ability to offer solid recommendations | (1-10) | 10 |
| 13 | Ability to facilitate consensus and commitment to the plan of action among staff | (1-10) | 10 |

Printed Name of Evaluator Holden Wright

Signature of Evaluator: 

Please fax or email the completed survey to: Amanda Bauner

Survey Questionnaire – Polk County

RFP 24-551, Engineering Services for East Regional Water Production and Wastewater Treatment Facilities

To: George Eversole (Name of Person completing survey)
Toho Water Authority (Name of Client Company/Contractor)
 Phone Number: 407-944-5025 Email: geversole@tohowater.com
 Total Annual Budget of Entity: Approximately \$200 Million
 Subject: Past Performance Survey of Similar work:
 Project name: Parkway Water Treatment Plant DBP Mitigation Project
 Name of Vendor being surveyed: Carollo Engineers, Inc.
 Cost of Services: Original Cost: \$48,395 (Planning) Ending Cost: \$671,085 (Thru Construction)
 Contract Start Date: 2018 Contract End Date: 2023

Rate each of the criteria on a scale of 1 to 10, with 10 representing that you were very satisfied (and would hire the Consultant /individual again) and 1 representing that you were very unsatisfied (and would never hire the Consultant /individual again). Please rate each of the criteria to the best of your knowledge. If you do not have sufficient knowledge of past performance in a particular area, leave it blank.

| NO | CRITERIA | UNIT | SCORE |
|----|--|--------|-------|
| 1 | Ability to manage cost | (1-10) | 10 |
| 2 | Ability to maintain project schedule (complete on-time/early) | (1-10) | 10 |
| 3 | Quality of workmanship | (1-10) | 10 |
| 4 | Professionalism and ability to manage | (1-10) | 10 |
| 5 | Close out process | (1-10) | 10 |
| 6 | Ability to communicate with Client's staff | (1-10) | 10 |
| 7 | Ability to resolve issues promptly | (1-10) | 10 |
| 8 | Ability to follow protocol | (1-10) | 10 |
| 9 | Ability to maintain proper documentation | (1-10) | 10 |
| 10 | Appropriate application of technology | (1-10) | 10 |
| 11 | Overall Client satisfaction and comfort level in hiring | (1-10) | 10 |
| 12 | Ability to offer solid recommendations | (1-10) | 10 |
| 13 | Ability to facilitate consensus and commitment to the plan of action among staff | (1-10) | 10 |

Printed Name of Evaluator George Eversole
 Signature of Evaluator: George Eversole Digitally signed by George Eversole
Date: 2024.10.15 10:27:37 -04'00'
 Please fax or email the completed survey to: Sudhan Paranjape

Survey Questionnaire – Polk County

RFP 24-551, Engineering Services for East Regional Water Production and Wastewater Treatment Facilities

To: Joe Paterniti, PE (Name of Person completing survey)
Clay County Utility Authority (Name of Client Company/Contractor)
 Phone Number: 904-213-2412 Email: jpaterniti@clayutility.org
 Total Annual Budget of Entity: Approximately \$62 Million
 Subject: Past Performance Survey of Similar work:
 Project name: Meadowbrook Water Treatment Plant Improvements Project
 Name of Vendor being surveyed: Carollo Engineers, Inc.
 Cost of Services: Original Cost: \$415,060 (Planning) Ending Cost: \$415,060 (Thru' Construction)
 Contract Start Date: 2020 Contract End Date: On-going

Rate each of the criteria on a scale of 1 to 10, with 10 representing that you were very satisfied (and would hire the Consultant /individual again) and 1 representing that you were very unsatisfied (and would never hire the Consultant /individual again). Please rate each of the criteria to the best of your knowledge. If you do not have sufficient knowledge of past performance in a particular area, leave it blank.

| NO | CRITERIA | UNIT | SCORE |
|----|--|--------|-------|
| 1 | Ability to manage cost | (1-10) | 9 |
| 2 | Ability to maintain project schedule (complete on-time/early) | (1-10) | 10 |
| 3 | Quality of workmanship | (1-10) | 10 |
| 4 | Professionalism and ability to manage | (1-10) | 10 |
| 5 | Close out process | (1-10) | 8 |
| 6 | Ability to communicate with Client's staff | (1-10) | 9 |
| 7 | Ability to resolve issues promptly | (1-10) | 10 |
| 8 | Ability to follow protocol | (1-10) | 9 |
| 9 | Ability to maintain proper documentation | (1-10) | 9 |
| 10 | Appropriate application of technology | (1-10) | 10 |
| 11 | Overall Client satisfaction and comfort level in hiring | (1-10) | 10 |
| 12 | Ability to offer solid recommendations | (1-10) | 9 |
| 13 | Ability to facilitate consensus and commitment to the plan of action among staff | (1-10) | 8 |

Printed Name of Evaluator Joe Paterniti

Signature of Evaluator: Joe Paterniti

Please fax or email the completed survey to: Jeremy O'Neal

Survey Questionnaire – Polk County

RFP 24-551, Engineering Services for East Regional Water Production and Wastewater Treatment Facilities

To: Jon Meyer (Name of Person completing survey)

Town and Country Utilities (Name of Client Company/Contractor)

Phone Number: 239-450-3007

Email: jmeyer@tcufl.com

Total Annual Budget of Entity _____

Subject: Past Performance Survey of Similar work:

Project name: Babcock Ranch Water Treatment and Water Reclamation Facility Phase 1

Name of Vendor being surveyed: Carollo Engineers, Inc.

Cost of Services: Original Cost: \$12.9 million Ending Cost: _____

Contract Start Date: 2015 Contract End Date: 2020

Rate each of the criteria on a scale of 1 to 10, with 10 representing that you were very satisfied (and would hire the Consultant /individual again) and 1 representing that you were very unsatisfied (and would never hire the Consultant /individual again). Please rate each of the criteria to the best of your knowledge. If you do not have sufficient knowledge of past performance in a particular area, leave it blank.

| NO | CRITERIA | UNIT | SCORE |
|----|--|--------|-------|
| 1 | Ability to manage cost | (1-10) | 8 |
| 2 | Ability to maintain project schedule (complete on-time/early) | (1-10) | 8 |
| 3 | Quality of workmanship | (1-10) | 8 |
| 4 | Professionalism and ability to manage | (1-10) | 9 |
| 5 | Close out process | (1-10) | 9 |
| 6 | Ability to communicate with Client's staff | (1-10) | 9 |
| 7 | Ability to resolve issues promptly | (1-10) | 7 |
| 8 | Ability to follow protocol | (1-10) | 8 |
| 9 | Ability to maintain proper documentation | (1-10) | 8 |
| 10 | Appropriate application of technology | (1-10) | 9 |
| 11 | Overall Client satisfaction and comfort level in hiring | (1-10) | 8 |
| 12 | Ability to offer solid recommendations | (1-10) | 8 |
| 13 | Ability to facilitate consensus and commitment to the plan of action among staff | (1-10) | 9 |

Printed Name of Evaluator Jon Meyer

Signature of Evaluator: _____

Please fax or email the completed survey to: Bob Cushing

Survey Questionnaire – Polk County

RFP 24-551, Engineering Services for East Regional Water Production and Wastewater Treatment Facilities

To: George Eversole, P.E. (Name of Person completing survey) Toho Water Authority (Name of Client Company/Contractor) Phone Number: 407-944-5025 Email: geversole@tohowater.com

Total Annual Budget of Entity: Approximately \$200 Million

Subject: Past Performance Survey of Similar work:

Project name: Sandhill Water Reclamation Facility Upgrades and Expansion

Name of Vendor being surveyed: Carollo Engineers, Inc.

Cost of Services: Original Cost: \$123,715 (Conceptual Design)

Ending Cost: \$3.097 million (Preliminary, Final Design, Bidding and CM Services)

Contract Start Date: March 13, 2019 Contract End Date: October 2023

Rate each of the criteria on a scale of 1 to 10, with 10 representing that you were very satisfied (and would hire the Consultant /individual again) and 1 representing that you were very unsatisfied (and would never hire the Consultant /individual again). Please rate each of the criteria to the best of your knowledge. If you do not have sufficient knowledge of past performance in a particular area, leave it blank.

| NO | CRITERIA | UNIT | SCORE |
|----|--|--------|-------|
| 1 | Ability to manage cost | (1-10) | 10 |
| 2 | Ability to maintain project schedule (complete on-time/early) | (1-10) | 10 |
| 3 | Quality of workmanship | (1-10) | 10 |
| 4 | Professionalism and ability to manage | (1-10) | 10 |
| 5 | Close out process | (1-10) | 10 |
| 6 | Ability to communicate with Client's staff | (1-10) | 10 |
| 7 | Ability to resolve issues promptly | (1-10) | 10 |
| 8 | Ability to follow protocol | (1-10) | 10 |
| 9 | Ability to maintain proper documentation | (1-10) | 10 |
| 10 | Appropriate application of technology | (1-10) | 10 |
| 11 | Overall Client satisfaction and comfort level in hiring | (1-10) | 10 |
| 12 | Ability to offer solid recommendations | (1-10) | 10 |
| 13 | Ability to facilitate consensus and commitment to the plan of action among staff | (1-10) | 10 |

Printed Name of Evaluator George Eversole

Signature of Evaluator: George Eversole Digitally signed by George Eversole
Date: 2024.10.15 10:26:59 -04'00'

Please fax or email the completed survey to: Sudhan Paranjape

Survey Questionnaire – Polk County

RFP 24-552, Engineering Services for Improvements to the Northwest and Southwest Regional Wastewater Treatment Facilities

To: Eric Smith, P.E. (Name of Person completing survey)
City of Daytona Beach (Name of Client Company/Contractor)
 Phone Number: 386-671-8829 Email: smitheric@codb.us
 Total Annual Budget of Entity \$350M

Subject: Past Performance Survey of Similar work:

Project name: Westside Regional Water Reclamation Facility Improvements

Name of Vendor being surveyed: Carollo Engineers, Inc.

Cost of Services: Original Cost: \$182,112 Ending Cost: \$2.9 Million

Contract Start Date: 6/2013 Contract End Date: 2/2021

Rate each of the criteria on a scale of 1 to 10, with 10 representing that you were very satisfied (and would hire the Consultant /individual again) and 1 representing that you were very unsatisfied (and would never hire the Consultant /individual again). Please rate each of the criteria to the best of your knowledge. If you do not have sufficient knowledge of past performance in a particular area, leave it blank.

| NO | CRITERIA | UNIT | SCORE |
|----|--|--------|-------|
| 1 | Ability to manage cost | (1-10) | 10 |
| 2 | Ability to maintain project schedule (complete on-time/early) | (1-10) | 10 |
| 3 | Quality of workmanship | (1-10) | 10 |
| 4 | Professionalism and ability to manage | (1-10) | 10 |
| 5 | Close out process | (1-10) | 10 |
| 6 | Ability to communicate with Client's staff | (1-10) | 10 |
| 7 | Ability to resolve issues promptly | (1-10) | 10 |
| 8 | Ability to follow protocol | (1-10) | 10 |
| 9 | Ability to maintain proper documentation | (1-10) | 10 |
| 10 | Appropriate application of technology | (1-10) | 10 |
| 11 | Overall Client satisfaction and comfort level in hiring | (1-10) | 10 |
| 12 | Ability to offer solid recommendations | (1-10) | 10 |
| 13 | Ability to facilitate consensus and commitment to the plan of action among staff | (1-10) | 10 |

Printed Name of Evaluator Eric Smith

Signature of Evaluator:  8-1-24

Please fax or email the completed survey to: _____

Survey Questionnaire – Polk County

RFP 24-552, Engineering Services for Improvements to the Northwest and Southwest Regional Wastewater Treatment Facilities

To: Gregory Rouse (Name of Person completing survey)

Sarasota County (Name of Client Company/Contractor)

Phone Number: 941-861-5000 Email: grouse@scgov.net

Total Annual Budget of Entity _____

Subject: Past Performance Survey of Similar work:

Project name: Bee Ridge Water Reclamation Facility

Name of Vendor being surveyed: Carollo Engineers, Inc.


Cost of Services: Original Cost: \$13.3 Million Ending Cost: TBD

Contract Start Date: 11/2019 Contract End Date: 12/2025 (Est.)

Rate each of the criteria on a scale of 1 to 10, with 10 representing that you were very satisfied (and would hire the Consultant /individual again) and 1 representing that you were very unsatisfied (and would never hire the Consultant /individual again). Please rate each of the criteria to the best of your knowledge. If you do not have sufficient knowledge of past performance in a particular area, leave it blank.

| NO | CRITERIA | UNIT | SCORE |
|----|--|--------|-------|
| 1 | Ability to manage cost | (1-10) | 10 |
| 2 | Ability to maintain project schedule (complete on-time/early) | (1-10) | 10 |
| 3 | Quality of workmanship | (1-10) | 10 |
| 4 | Professionalism and ability to manage | (1-10) | 10 |
| 5 | Close out process | (1-10) | 10 |
| 6 | Ability to communicate with Client's staff | (1-10) | 10 |
| 7 | Ability to resolve issues promptly | (1-10) | 10 |
| 8 | Ability to follow protocol | (1-10) | 10 |
| 9 | Ability to maintain proper documentation | (1-10) | 10 |
| 10 | Appropriate application of technology | (1-10) | 10 |
| 11 | Overall Client satisfaction and comfort level in hiring | (1-10) | 10 |
| 12 | Ability to offer solid recommendations | (1-10) | 10 |
| 13 | Ability to facilitate consensus and commitment to the plan of action among staff | (1-10) | 10 |

Printed Name of Evaluator Gregory Rouse

Signature of Evaluator: Gregory S. Rouse  Digitally signed by Gregory S. Rouse
Date: 2024.07.31 11:06:19 -04'00'

Please email the completed survey to: jbarksdale@carollo.com

Exhibit “A-iii”
Scope of Services
East Regional Wastewater Treatment Facilities
Part 1 Services - Site Evaluations

Pursuant to this Agreement, the County has requested that the Consultant provide certain professional services in support of the East Regional Water Production and Wastewater Treatment Facilities Improvements Project (Project) as further detailed in this Professional Services Agreement.

A. Project Background and Description

The County desires to expand potable water and wastewater services in the East Regional Utility Service Area (ERUSA). Infrastructure improvements were recommended in the 2023 ERUSA Master Plan Update (Dewberry Engineers, April 2024). The master plan included assumptions about the locations of the proposed water production facility (WPF) and the wastewater treatment facility (WWTF). However, the County has not acquired land yet and the future plant site locations may differ from the master plan locations.

The County desires assistance in evaluating the feasibility of up to three (3) different site locations for the WWTF. The WPF and WWTF may be located on the same site; if practical. Site feasibility will be evaluated based on properties being able to accommodate the following:

- Sufficient space for the planned WPF and WWTF at one site location. If not practical the facilities could be located on separate sites.
- Ability to include one or more new water production wells.
- Sufficient space for stormwater retention/detention facilities.
- Adequate space to meet the wastewater effluent disposal capacity requirements using rapid infiltration basins.
- Minimize the wastewater collection and transmission modifications that will be necessary to route wastewater to the new WWTF.

The County has requested that the Consultant provide engineering services in support of this Project.

B. Scope of Services

Upon authorization to proceed from the County, the Consultant will provide the following identified services. The Consultant shall perform reviews to confirm that all documents produced by the Consultant or their subconsultants for the County will be consistent with the Polk County Utilities Standards and Specifications Manual, latest edition, and other County requirements. This authorization shall be in full force and effect until the Consultant completes all services as described in this Agreement and any subsequent modifications hereto.

Phase 100 – Project Management

Task 101 – Project Management

This task consists of overall management of the Project including contract administration, budget management, invoicing, monthly status reports, scheduling, and coordination with the County and Consultant's subconsultants.

Task 102 – Kick-off Meeting and Review Meetings

The Consultant will attend one kickoff meeting for each site evaluation with the County. The Consultant will prepare a meeting agenda and meeting minutes. Draft meeting minutes shall be distributed within three working days of the date of the meeting for County review and comment.

For each of the individual site evaluations, meetings will be scheduled to review:

- Results of Consultant's evaluation of the potential required modifications to the wastewater collection and transmission systems.
- Rapid Infiltration Basin (RIB) capacity estimates.
- Proposed site layouts for conventional wastewater treatment and treatment with membrane bioreactors.
- Summary of site assessment results.

Task 103 – Site Visits

Consultant will visit each proposed site. In addition, representatives of Consultant's hydrogeological and stormwater management subconsultants will also visit each site.

The existing conditions of each site, availability of utilities and neighboring properties will be documented using photos.

Phase 200 – Support Services

Task 201 – Hydrogeological Services

This task consists of evaluating three (3) proposed sites for the feasibility for rapid infiltration basins for effluent disposal. Using existing data and results from new soil borings (by the geotechnical subconsultant) Through a subconsultant, Consultant will provide the following for each site:

- Summary of existing available hydrologic and hydrogeological data.
- Identification of potential limiting subsurface conditions.
- Estimates of land area needed to support the RIB capacity specified by the County.
- Estimates for the total required bottom area of RIBs and potential loading rates (gpd/sf).
- Assessment of the potential for off-site impacts (day lighting of effluent) and propagation of sink holes.
- Confirmation of sufficient set back distance from potable water supply wells and compliance with other setbacks required by the Florida Department of Environmental Protection.
- Conceptual RIB design including pipe networks for transmission of effluent to the RIBs.
- Planning level cost estimate for construction of the RIBs.
- A technical memorandum summarizing the RIB capacity evaluation.

Hydrogeological services will be provided in accordance with the scope of services set forth in a February 6, 2025 proposal prepared by Royal Consulting Services (refer to Attachment A-3).

Task 202 – Geotechnical Services

To support Task 201, Consultant's geotechnical engineering subconsultant will provide soil borings on three (3) proposed sites. Consultant's subconsultant will provide the following for each proposed RIB site:

- 1 standard penetration test (SPT) boring to a depth of 50 ft. below land surface.
- 1 SPT boring to the top of the upper Florida aquifer.
- 15 hand auger borings to a depth of 6 ft.
- 4 double ring infiltrometer tests.
- A summary report of the field work and results for each site.

Geotechnical engineering services will be provided in accordance with the scope of services set forth in a February 4, 2025 proposal prepared by Madrid (refer to Attachment A-4).

Phase 300 – Engineering Evaluation

Task 301 – Assessment of Modifications to the Wastewater Collection and Transmission Systems

Consultant will use the hydraulic models that were developed for the ERUSA as part of the Master Plan Update (by others). For this assessment, the peak hour flow hydraulic flow model will be adjusted to transmit raw wastewater to the proposed site locations. Consultant will estimate the following for each of the three (3) proposed sites:

- Changes in pipeline sizes and locations to route wastewater flow to the proposed sites.
- Changes in lift station capacity and head conditions.
- Additional infrastructure (pipelines or lift stations) to convey wastewater to the proposed sites
- Changes in capital improvement costs. Conceptual costs will be based on the costs presented in the Master Plan Update.
- Changes in energy costs associated with the lift stations.
- Locations where additional easement or right of way may be required.

Consultant will prepare a technical memorandum that summarizes the work under this task for each proposed WWTF site.

Task 302-Develop Conceptual Site Plans for the WWTF

Consultant will develop conceptual site plans for a “conventional” biological nutrient removal approach to meet advanced wastewater treatment (AWT) and the use of membrane bioreactor (MBR) technology in a biological nutrient removal configuration to achieve AWT standards. The conceptual site plans will be adapted to conform to the geometry of the sites selected by the County.

The conventional WWTF will likely consist of flow equalization, preliminary treatment (screening & grit removal), 5 stage biological nutrient removal (BNR), secondary clarifiers, deep bed filters, sodium hypochlorite disinfection, aerobic sludge digestion, and biosolids dewatering. Support facilities will be included such as chemical storage

and feed, electrical/generator building(s), blower building, Operations and Maintenance building(s), odor control, substandard effluent storage and finished water storage.

The conceptual site plan for the MBR alternative will have all of the conventional treatment facilities with the addition of fine screening, and less secondary clarifiers and deep bed filters. The footprint for the MBR alternative will be significantly smaller than the conventional approach (specifically the 5 stage BNR/Bioreactor and membrane filtration has a much smaller footprint).

The conceptual site plans will also consider spaces for roadways, stormwater management, RIBs and future processes to support direct potable reuse. In addition, will consider setbacks for aesthetic, noise, and odor control measures.

Stormwater management evaluation services will be provided in accordance with the scope of services set forth in a January 29, 2025 proposal prepared by CivilSurv (refer to Attachment A-5).

Task 303 – Site Assessment Technical Memorandum (TM)

The Consultant will prepare and submit a TM that summarizes the assessment of each potential site consisting of the following:

- Summary of existing conditions, including site location, soil conditions, topography and proximity to wetlands and surface waters.
- Compilations of the TMs that were prepared under Tasks 201, 202, 301 and 302.

C. Deliverables

The Consultant shall prepare and submit to the County, including electronic format when applicable, the following deliverables:

| Task | Activity | Deliverable |
|-------------|-----------------|----------------------------|
| 102 | Meetings | Meeting agenda and minutes |

| Task | Activity | Deliverable |
|-------------|--|---|
| 201-202 | Support Services | Three (3) hard copies (if required) of reports / drawings (signed / sealed for survey documents); one (1) electronic copy (Portable Document Format and / or AutoCAD) |
| 301 | Assessment of Modifications to the Wastewater Collection and Transmission System | Three (3) hard copies (if required) of reports / TMs; one (1) electronic copy of TMs (Portable Document Format) |
| 302 | Develop Conceptual Site Plans for the WWTF | Three (3) hard copies (if required) of reports / TMs; one (1) electronic copy of TMs (Portable Document Format) |
| 303 | Site Assessment TM | Three (3) hard copies (if required) of reports / TMs; one (1) electronic copy of TMs (Portable Document Format) |

D. Schedule

Consultant will proceed with the services identified herein immediately upon receipt of an executed copy of this Consultant Services Authorization and a formal Notice-to-Proceed from the County. The projected schedule for the performance of services described herein, in Gantt Chart format, is included as Attachment A-1. An updated electronic version of the Project schedule in Microsoft Project will be provided to the County within 10 working days from the issuance of the Notice-to-Proceed. Delivery of the schedule may be in other electronic formats so long as they accurately portray the approved scope of services with sufficient detail subject to staff approval. Should additional time be required beyond the schedule depicted in Attachment A-1, The Consultant will provide an updated Attachment A-1 (schedule) to the Utilities and Procurement Divisions. Following staff approval, the updated Attachment A-1 will be forwarded by Utilities staff to Procurement staff for inclusion in the contract file with no further administration action required for extension.

E. Compensation

This Agreement establishes a not-to-exceed cost of \$ 490,426.00 for Part 1 Services. Compensation for the services performed under this Agreement shall be on an hourly, not-to-exceed basis using the current hourly rate schedule as set forth in Exhibit "B" of this Agreement. Other direct costs or expenses incurred in connection with this Agreement will not be invoiced as these expenses have been accounted for in the rate multiplier associated with this Agreement . A summary of the estimated labor costs is provided in Attachment A-2 for reference only. Each invoice submittal shall include a tabular summary of the originally estimated labor costs by phase in accordance with Attachment A-2, fees invoiced to date, and the balance remaining per phase. The transfer of funds between defined phases is not permitted unless approved in advance in writing by the County Utilities Director. To request consideration for such a transfer, the Consultant must submit satisfactory written justification to transfer unused funds from phases with completed tasks or tasks clearly tracking under budget to phases with tasks requiring additional funding. In addition, the transfer of funds shall not exceed the total authorized fee for the Project.

The not-to-exceed cost for this Agreement includes contingency funds in the amount of \$23,354.00. The contingency funds authorized for use in this Agreement may only be expended upon written approval from the County's Utilities Director. Adequate justification must be provided by the Consultant for the release of contingency funds. Any out-of-scope services performed requiring the release of contingency funds will be considered at-risk and may not be compensated until, or if, written approval is granted by the County's Utilities Director.

The Consultant will minimally provide a consultant invoice summary with each invoice, based on a mutually agreed-upon breakdown of phases and tasks in Attachment A-2 that reflect the effort and deliverables submitted to the County. The summary will depict the overall phases, associated budgets, amounts invoiced to date, and balance remaining. Invoices for compensation submitted by the Consultant will include the reviewed and approved consultant invoice summary, an updated Project schedule, notarized affidavits (as applicable), and the monthly status report.

Invoices for not-to-exceed projects shall be accompanied by time and task records for all billable hours appearing on the invoice. Additional documentation may be requested by the County and, if so requested, shall be furnished by the Consultant to the County Auditor's satisfaction. In

addition, all invoices shall be submitted with the Agreement number, purchase order number, and the Polk County Utilities Project and Records Room numbers on the invoice.

The Consultant agrees that, in the event that design errors and / or omissions are discovered during construction, all services rendered by the Consultant to correct said design errors and / or omissions will be considered out-of-scope services and shall not be invoiced to the County.

F. County's Responsibilities

The County will provide the following information to the Consultant and / or perform the following services related to the Project:

- County will provide access to the proposed sites for observation and field testing.
- County will be the primary communications contact with the owner's of proposed sites.
- The County shall attend all project meetings to maintain the progress of the project according to the schedule.
- The County shall review draft deliverables and provide comments to the consultant within a 14-day period.

G. Services Not Included

The following services are not included in the Scope of Services for the Project:

- Land surveying.
- Wetlands mapping/delineation.
- Threatened and Endangered Species Evaluations.
- Phase I/II Environmental Studies
- Detailed design.

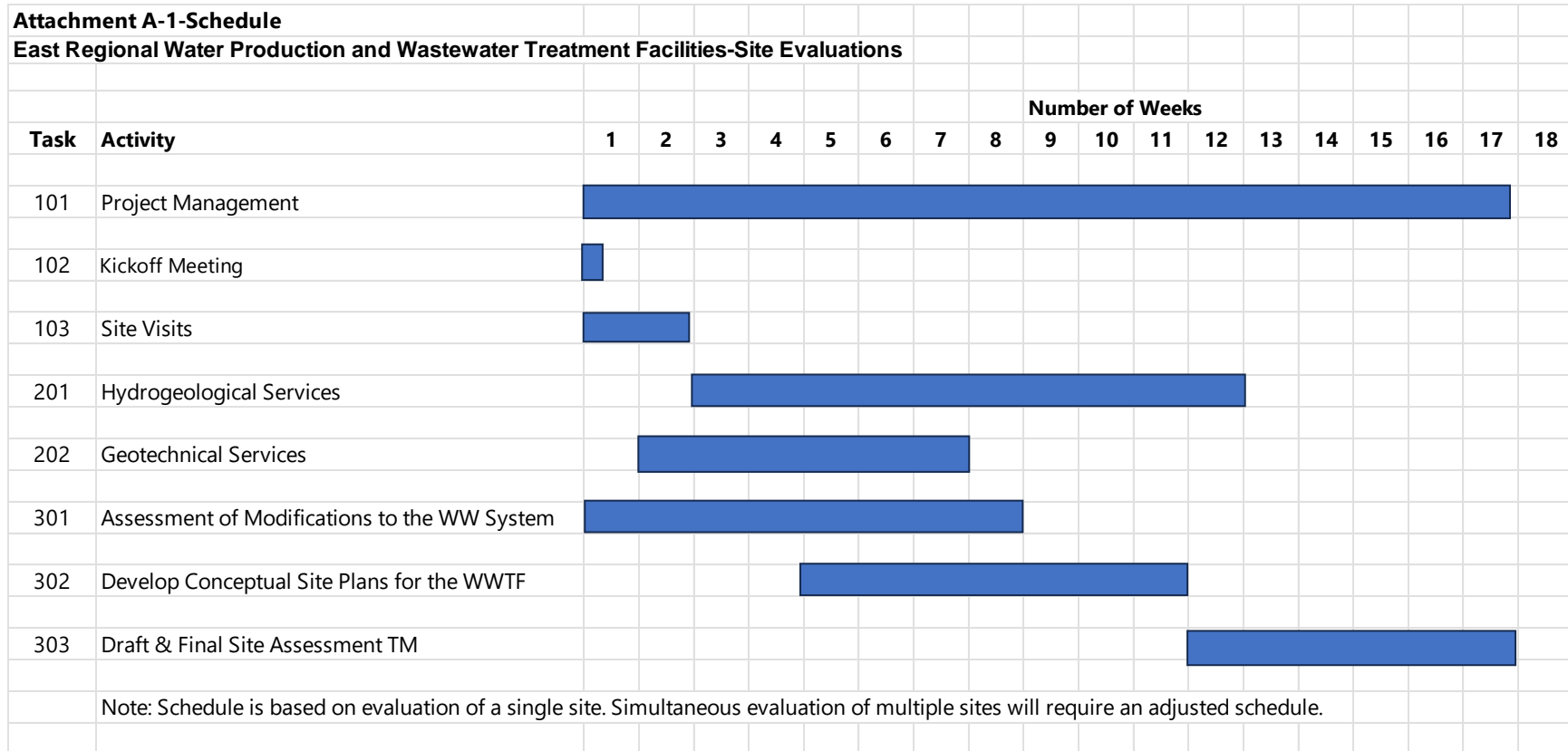
H. Assumptions

The Scope of Services and compensation arrangement outlined herein are based on the following assumptions:

- Meetings will be conducted at PCU's office location in-person. At the County's request, meetings may be conducted using mutually compatible video conferencing software (e.g., MS Teams).

- Consultant shall be entitled to use and reasonably rely upon information and services provided by the County or others in performing Consultant's services hereunder.
- County will evaluate the planning and zoning constraints for each proposed sites including any special land use permitting requirements.
- In providing opinions of cost, financial analyses, economic feasibility projections, schedules, and quantity and/or quality estimates for potential projects, Consultant has no control over cost or price of labor, material, and future economic factor that may influence cost of constructability.; unknown or latent conditions of existing equipment or structures that may affect operation and maintenance costs; competitive bidding procedures and market conditions; time or quality of performance of third parties; quality, type, management, or direction of operating personnel; the incoming water quality and/or quantity; the way County's plant(s) and/or associated processes are operated and/or maintained; and other economic and operational factors that may materially affect the ultimate project elements, including, but not limited to, cost or schedule. Therefore, Consultant makes no warranty that County's actual project costs, financial aspects, economic feasibility, schedules, and/or quantities or quality realized will not vary from Consultant's opinions, analyses, projections, or estimates and Consultant will not be liable to and/or indemnify County and/or any third party related to any inconsistencies between Consultant's projections and estimates and actual costs and/or quantities realized by County and/or any third party in the future, except to the extent such inconsistencies are caused by Consultant's negligent performance hereunder.
- The services to be performed by the Consultant are intended solely for the benefit of the County. No person or entity not a signatory to this Agreement shall be entitled to rely on Consultant's performance of its services hereunder, and no right to assert a claim against the Consultant by assignment of indemnity rights or otherwise shall accrue to a third party as a result of this Agreement or the performance of Consultant's services hereunder.

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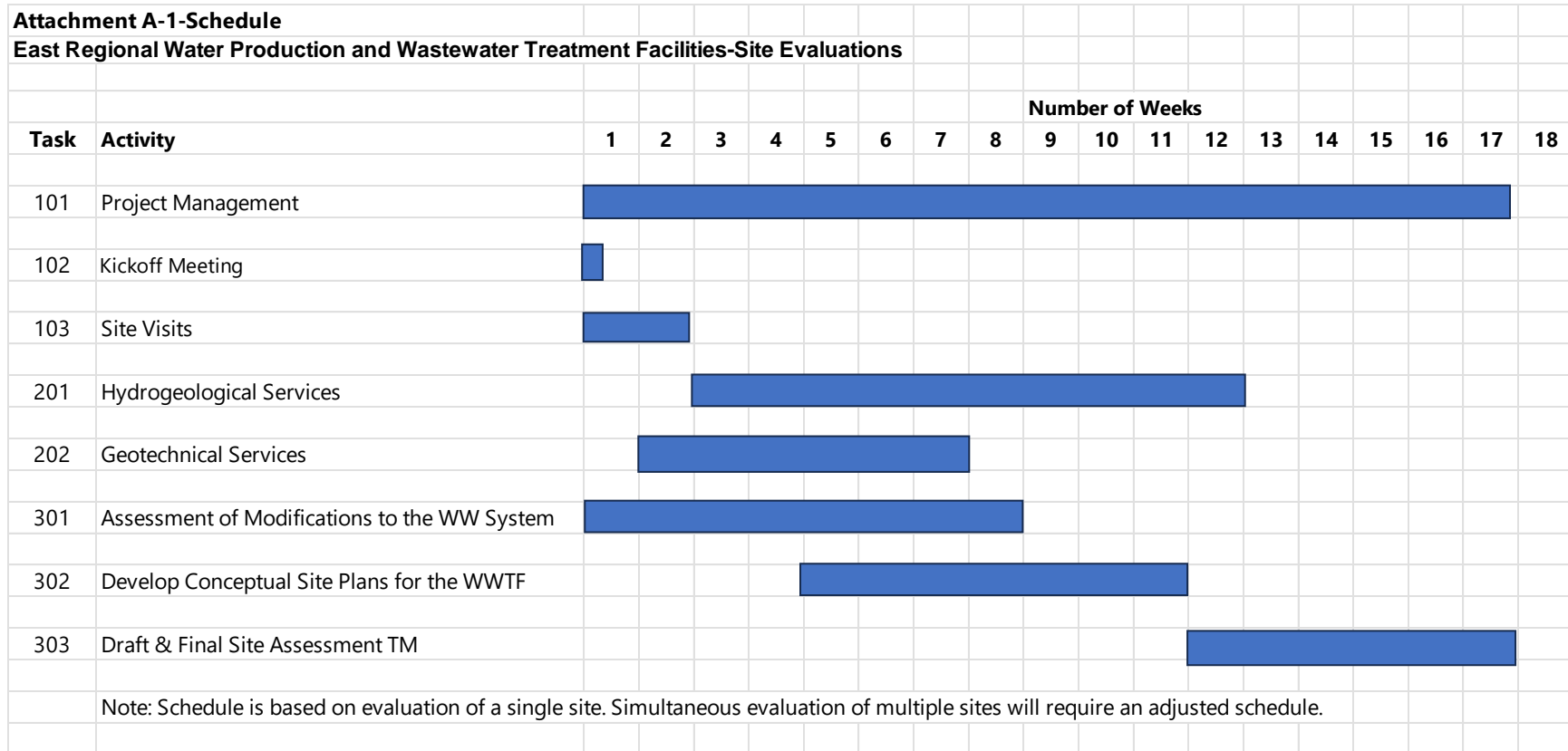


ATTACHMENT A-2

EAST REGIONAL WATER PRODUCTION AND WASTEWATER
TREATMENT FACILITIES-SITE EVALUATIONS

Fee Proposal

| Tasks | Task and Sub-Task Description | Senior Professional | Lead Professional | Project Professional | Professional | Assistant Professional | Senior Technician | Lead Technician | Technician | Doc. Processing | Total Labor Hours | Total Labor Cost | Other Direct Costs (ODCs) | Subconsultant Civil/Surv | Subconsultant Madrid | Subconsultant Royal Consulting Services | TOTAL PROJECT COSTS |
|-----------------------------|---|---------------------|-------------------|----------------------|--------------|------------------------|-------------------|-----------------|------------|-----------------|-------------------|------------------|---------------------------|--------------------------|----------------------|---|---------------------|
| | | \$ 315.00 | \$ 240.00 | \$ 199.00 | \$ 161.00 | \$ 144.00 | \$ 202.00 | \$ 160.00 | \$ 118.00 | \$120.00 | | | | | | | |
| 100 | PROJECT MANAGEMENT | 66 | 116 | 92 | 36 | 58 | 24 | 18 | 0 | 26 | 436 | \$ 91,934 | \$ - | | | \$ - | \$ 91,934 |
| 101 | Project Management and Quality Assurance / Control | 24 | 32 | 56 | 36 | 40 | 24 | | | 8 | 220 | \$43,748 | \$0 | \$0 | \$0 | \$0 | \$43,748 |
| 102 | Kick-off Meeting and Review Meetings | 18 | 36 | 36 | | 18 | | 18 | | 18 | 144 | \$29,106 | \$0 | \$0 | \$0 | \$0 | \$29,106 |
| 103 | Site Visits | 24 | 48 | | | | | | | | 72 | \$19,080 | \$0 | \$0 | \$0 | \$0 | \$19,080 |
| 200 | SUPPORT SERVICES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | | \$ 61,110 | \$ 120,000 | \$ 181,110 |
| 201 | Hydrogeological Services (3 sites) | | | | | | | | | | 0 | \$0 | | | | \$120,000 | \$120,000 |
| 202 | Geotechnical Engineering Services (3 sites) | | | | | | | | | | 0 | \$0 | | | \$61,110 | | \$61,110 |
| 300 | ENGINEERING EVALUATION | | | | | | | | | | | | | | | | |
| 301 | Assessment of Modifications to the Wastewater Collection and Transmission System | 15 | 24 | 30 | 174 | 132 | 0 | 21 | 0 | 0 | 396 | \$ 66,837 | | | | | \$ 66,837 |
| 301.1 | Assessment of Modifications to WW System | 3 | 6 | 6 | 24 | 66 | | 6 | | | 111 | \$17,907 | | | | | \$17,907 |
| 301.2 | Network Modifications to Site A | | | 2 | | 4 | | 2 | | | 8 | \$1,294 | | | | | \$1,294 |
| 301.3 | Network Modifications to Site B | | | 2 | | 4 | | 2 | | | 8 | \$1,294 | | | | | \$1,294 |
| 301.4 | Network Modifications to Site C | | | 2 | | 4 | | 2 | | | 8 | \$1,294 | | | | | \$1,294 |
| 301.5 | Analysis and Identification of Improvements for Site A | 1 | 2 | 2 | 6 | 18 | | | | | 29 | \$4,751 | | | | | \$4,751 |
| 301.6 | Analysis and Identification of Improvements for Site B | 1 | 2 | 2 | 6 | 18 | | | | | 29 | \$4,751 | | | | | \$4,751 |
| 301.7 | Analysis and Identification of Improvements for Site C | 1 | 2 | 2 | 6 | 18 | | | | | 29 | \$4,751 | | | | | \$4,751 |
| 301.8 | Change of Capital Improvement Costs (Site A) | 1 | 1 | 1 | 20 | | | 1 | | | 24 | \$4,134 | | | | | \$4,134 |
| 301.9 | Change of Capital Improvement Costs (Site B) | 1 | 1 | 1 | 20 | | | 1 | | | 24 | \$4,134 | | | | | \$4,134 |
| 301.10 | Change of Capital Improvement Costs (Site C) | 1 | 1 | 1 | 20 | | | 1 | | | 24 | \$4,134 | | | | | \$4,134 |
| 301.11 | Easements and Right of Way (Site A) | 1 | 1 | 1 | 20 | | | 1 | | | 24 | \$4,134 | | | | | \$4,134 |
| 301.12 | Easements and Right of Way (Site B) | 1 | 1 | 1 | 20 | | | 1 | | | 24 | \$4,134 | | | | | \$4,134 |
| 301.13 | Easements and Right of Way (Site C) | 1 | 1 | 1 | 20 | | | 1 | | | 24 | \$4,134 | | | | | \$4,134 |
| 301.14 | Operation and Maintenance Costs (Site A) | 1 | 2 | 2 | 4 | | | 1 | | | 10 | \$1,997 | | | | | \$1,997 |
| 301.15 | Operation and Maintenance Costs (Site B) | 1 | 2 | 2 | 4 | | | 1 | | | 10 | \$1,997 | | | | | \$1,997 |
| 301.16 | Operation and Maintenance Costs (Site C) | 1 | 2 | 2 | 4 | | | 1 | | | 10 | \$1,997 | | | | | \$1,997 |
| 302 | Develop Conceptual Site Plans | 12 | 24 | 48 | 56 | 48 | 8 | 48 | 0 | 0 | 244 | \$ 44,316 | | \$ 23,430 | | | \$ 67,746 |
| 302.1 | Develop "to Scale" Process Components and Support Facilities that can be Arranged on the Proposed WWTF Sites. | 6 | 12 | 24 | 24 | 16 | 8 | 16 | | | 106 | \$19,890 | | | | | |
| 302.2 | Arrange Site Plans for Three Proposed WWTF Sites. | 6 | 12 | 24 | 32 | 32 | | 32 | | | 138 | \$24,426 | | \$23,430 | | | |
| 303 | Site Assessment Technical Memorandum (TM) | 9 | 18 | 72 | 72 | 45 | 45 | 54 | 0 | 18 | 333 | \$ 59,445 | \$ - | | | \$ - | \$ 59,445 |
| 303.1 | Prepare Three (3) Draft Site Assessment TMs | 6 | 12 | 48 | 48 | 30 | 30 | 36 | | 12 | 222 | \$39,630 | | | | | \$39,630 |
| 303.2 | Prepare Three (3) Final Site Assessment TMs | 3 | 6 | 24 | 24 | 15 | 15 | 18 | | 6 | 111 | \$19,815 | | | | | \$19,815 |
| TOTAL PROJECT COSTS | | 102 | 182 | 242 | 338 | 283 | 77 | 141 | 0 | 44 | 1,409 | \$262,532 | | \$ 23,430 | \$ 61,110 | \$ 120,000 | \$ 467,072 |
| ADDITIONAL | | | | | | | | | | | | | | | | | |
| | General Contingency (5%) | | | | | | | | | | | | | | | | \$23,354 |
| TOTAL COST WITH CONTINGENCY | | | | | | | | | | | | | | | | | \$ 490,426 |



ATTACHMENT A-2

EAST REGIONAL WATER PRODUCTION AND WASTEWATER
TREATMENT FACILITIES-SITE EVALUATIONS

Fee Proposal

| Tasks | Task and Sub-Task Description | Senior Professional | Lead Professional | Project Professional | Professional | Assistant Professional | Senior Technician | Lead Technician | Technician | Doc. Processing | Total Labor Hours | Total Labor Cost | Other Direct Costs (ODCs) | Subconsultant Civil/Surv | Subconsultant Madrid | Subconsultant Royal Consulting Services | TOTAL PROJECT COSTS |
|-----------------------------|---|---------------------|-------------------|----------------------|--------------|------------------------|-------------------|-----------------|------------|-----------------|-------------------|------------------|---------------------------|--------------------------|----------------------|---|---------------------|
| | | \$ 315.00 | \$ 240.00 | \$ 199.00 | \$ 161.00 | \$ 144.00 | \$ 202.00 | \$ 160.00 | \$ 118.00 | \$120.00 | | | | | | | |
| 100 | PROJECT MANAGEMENT | 66 | 116 | 92 | 36 | 58 | 24 | 18 | 0 | 26 | 436 | \$ 91,934 | \$ - | | | \$ - | \$ 91,934 |
| 101 | Project Management and Quality Assurance / Control | 24 | 32 | 56 | 36 | 40 | 24 | | | 8 | 220 | \$43,748 | \$0 | \$0 | \$0 | \$0 | \$43,748 |
| 102 | Kick-off Meeting and Review Meetings | 18 | 36 | 36 | | 18 | | 18 | | 18 | 144 | \$29,106 | \$0 | \$0 | \$0 | \$0 | \$29,106 |
| 103 | Site Visits | 24 | 48 | | | | | | | | 72 | \$19,080 | \$0 | \$0 | \$0 | \$0 | \$19,080 |
| 200 | SUPPORT SERVICES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | | \$ 61,110 | \$ 120,000 | \$ 181,110 |
| 201 | Hydrogeological Services (3 sites) | | | | | | | | | | 0 | \$0 | | | | \$120,000 | \$120,000 |
| 202 | Geotechnical Engineering Services (3 sites) | | | | | | | | | | 0 | \$0 | | | \$61,110 | | \$61,110 |
| 300 | ENGINEERING EVALUATION | | | | | | | | | | | | | | | | |
| 301 | Assessment of Modifications to the Wastewater Collection and Transmission System | 15 | 24 | 30 | 174 | 132 | 0 | 21 | 0 | 0 | 396 | \$ 66,837 | | | | | \$ 66,837 |
| 301.1 | Assessment of Modifications to WW System | 3 | 6 | 6 | 24 | 66 | | 6 | | | 111 | \$17,907 | | | | | \$17,907 |
| 301.2 | Network Modifications to Site A | | | 2 | | 4 | | 2 | | | 8 | \$1,294 | | | | | \$1,294 |
| 301.3 | Network Modifications to Site B | | | 2 | | 4 | | 2 | | | 8 | \$1,294 | | | | | \$1,294 |
| 301.4 | Network Modifications to Site C | | | 2 | | 4 | | 2 | | | 8 | \$1,294 | | | | | \$1,294 |
| 301.5 | Analysis and Identification of Improvements for Site A | 1 | 2 | 2 | 6 | 18 | | | | | 29 | \$4,751 | | | | | \$4,751 |
| 301.6 | Analysis and Identification of Improvements for Site B | 1 | 2 | 2 | 6 | 18 | | | | | 29 | \$4,751 | | | | | \$4,751 |
| 301.7 | Analysis and Identification of Improvements for Site C | 1 | 2 | 2 | 6 | 18 | | | | | 29 | \$4,751 | | | | | \$4,751 |
| 301.8 | Change of Capital Improvement Costs (Site A) | 1 | 1 | 1 | 20 | | | 1 | | | 24 | \$4,134 | | | | | \$4,134 |
| 301.9 | Change of Capital Improvement Costs (Site B) | 1 | 1 | 1 | 20 | | | 1 | | | 24 | \$4,134 | | | | | \$4,134 |
| 301.10 | Change of Capital Improvement Costs (Site C) | 1 | 1 | 1 | 20 | | | 1 | | | 24 | \$4,134 | | | | | \$4,134 |
| 301.11 | Easements and Right of Way (Site A) | 1 | 1 | 1 | 20 | | | 1 | | | 24 | \$4,134 | | | | | \$4,134 |
| 301.12 | Easements and Right of Way (Site B) | 1 | 1 | 1 | 20 | | | 1 | | | 24 | \$4,134 | | | | | \$4,134 |
| 301.13 | Easements and Right of Way (Site C) | 1 | 1 | 1 | 20 | | | 1 | | | 24 | \$4,134 | | | | | \$4,134 |
| 301.14 | Operation and Maintenance Costs (Site A) | 1 | 2 | 2 | 4 | | | 1 | | | 10 | \$1,997 | | | | | \$1,997 |
| 301.15 | Operation and Maintenance Costs (Site B) | 1 | 2 | 2 | 4 | | | 1 | | | 10 | \$1,997 | | | | | \$1,997 |
| 301.16 | Operation and Maintenance Costs (Site C) | 1 | 2 | 2 | 4 | | | 1 | | | 10 | \$1,997 | | | | | \$1,997 |
| 302 | Develop Conceptual Site Plans | 12 | 24 | 48 | 56 | 48 | 8 | 48 | 0 | 0 | 244 | \$ 44,316 | | \$ 23,430 | | | \$ 67,746 |
| 302.1 | Develop "to Scale" Process Components and Support Facilities that can be Arranged on the Proposed WWTF Sites. | 6 | 12 | 24 | 24 | 16 | 8 | 16 | | | 106 | \$19,890 | | | | | |
| 302.2 | Arrange Site Plans for Three Proposed WWTF Sites. | 6 | 12 | 24 | 32 | 32 | | 32 | | | 138 | \$24,426 | | \$23,430 | | | |
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| 303.1 | Prepare Three (3) Draft Site Assessment TMs | 6 | 12 | 48 | 48 | 30 | 30 | 36 | | 12 | 222 | \$39,630 | | | | | \$39,630 |
| 303.2 | Prepare Three (3) Final Site Assessment TMs | 3 | 6 | 24 | 24 | 15 | 15 | 18 | | 6 | 111 | \$19,815 | | | | | \$19,815 |
| TOTAL PROJECT COSTS | | 102 | 182 | 242 | 338 | 283 | 77 | 141 | 0 | 44 | 1,409 | \$262,532 | | \$ 23,430 | \$ 61,110 | \$ 120,000 | \$ 467,072 |
| ADDITIONAL | | | | | | | | | | | | | | | | | |
| | General Contingency (5%) | | | | | | | | | | | | | | | | \$23,354 |
| TOTAL COST WITH CONTINGENCY | | | | | | | | | | | | | | | | | \$ 490,426 |

Attachment A-3



Scope of Work

Polk County Utilities

Rapid Infiltration Basin Evaluations

Scope of Services

Royal Consulting Services, Inc. (RCS) shall provide general engineering services to Carollo Engineers, Inc. in support of the Polk County Utilities (Polk) Engineering Services for East Regional Water Production and Wastewater Treatment Facilities (ERUSA).

The wastewater system in the ERUSA is divided into two sub-areas: Waverly and East. The Waverly sub-area operates a local treatment facility that utilizes rapid infiltration basins (RIBs) for effluent disposal. These RIBs are critical for managing treated wastewater and promoting groundwater recharge. The East sub-area, on the other hand, depends on an inter-local agreement with the Toho Water Authority for wastewater treatment. To support anticipated growth, address infrastructure limitations in Waverly, and reduce reliance on external facilities, the ERUSA Master Plan Update recommends constructing a new regional wastewater treatment facility. This facility will incorporate advanced treatment technologies and optimized RIB designs to ensure efficient, sustainable, and environmentally compliant operations.

The primary objective of this scope will be to assist Carollo in evaluating up to three proposed RIB site locations. The initial phase of this project will provide a conceptual level analysis, using published values and readily available data, on the suitability of constructing RIBs on a maximum of three project areas. Once a site is deemed suitable for RIBs, a more in-depth evaluation, meeting the requirements of the Florida Department of Environmental Protection (FDEP), will be conducted using site-specific data.

Phase 1 Evaluation of RIB Site Suitability

Task 201.1 Project Coordination

This task ensures effective communication and coordination throughout the project. It includes the following activities:

- **Kickoff Meeting:** The project will commence with a kickoff meeting to establish objectives, timelines, deliverables, and the roles and responsibilities of all stakeholders. Key discussion points will include:
 - Review of the project scope and intended outcomes.
 - Discussion of regulatory and permitting requirements.
 - Agreement on communication protocols and project milestones.
- **Monthly Coordination Meetings:** To ensure the project remains on track, monthly meetings will be held with stakeholders to review progress, address challenges, and update schedules as necessary.
- **Ongoing Communication:**
 - Facilitate regular updates through emails, reports, and calls to keep all stakeholders informed of developments and decisions.



- Coordination with geotechnical subcontractor regarding placement of borings and testing to be performed.

Deliverables:

- Meeting agendas, minutes, and a consolidated schedule of milestones.
- Monthly progress reports documenting project status and decisions.

Task 201.2 Data Collection and Review

The conceptual level evaluation will be based on the readily available data obtained during this task.

Task 201.2a Regional Data

A description of the hydrologic and hydrogeologic system is needed to guide the evaluation of the RIB site. This task consists of evaluating readily available data from the local water management district, U.S. Geological Survey (USGS), Florida Geological Survey (FGS), and site-specific borings, if available.

Background information for collection and review includes:

- Review of Wastewater Treatment Plan effluent disposal needs
- Design high water table elevation at facilities
- Groundwater and surface water studies
- Existing hydrogeologic studies
- Existing subsurface investigation reports
- Permit applications and existing permits
- Groundwater and surface water level data
- Well logs, soil borings and stratigraphy descriptions
- Topographical data
- Spatial and temporal rainfall amounts
- Well inventory
- Sinkhole inventory
- Infiltration rate of aesthetic ponds
- Meteorological data
- Total Max Daily Loads for the region
- Basin Action Management Plans
- Central Florida Water Initiative available documentation, including the Regional Water Supply Plan, East-Central Florida Transient Model documentation



Deliverable: A geospatial database of site conditions and key hydrologic parameters. A memorandum summarizing additional data needs as well as regulatory limitations will also be provided.

Task 201.2b Development of Regional Constraints

Topographic data from readily available digital elevation models (DEMs) and existing onsite survey data, if available, will be used to identify low-lying areas in the vicinity of the proposed RIB sites that may be susceptible to 'daylighting', which is when the water table rises above ground surface as a result of excessive effluent disposal loading.

In addition, RCS will collect design plans, as-built drawings, and environmental resource permits for nearby developments from Polk County and the Water Management District. RCS will review and identify the recent and proposed major surface water management modifications at developments near the site. This includes any potential changes to stormwater drainage ditches and control elevations due to roadway modifications. This data will be used to develop a daylight constraint location map.

Deliverable: A map with restraint locations and table of constraint elevations will be provided.

Task 201.3 Conceptual Level Evaluation

Task 201.3a Estimate of Hydraulic Loading Rate

The purpose of the conceptual level evaluation is to consolidate site and regional hydrogeologic and hydrologic data into a set of assumptions and concepts that can be evaluated quantitatively. Using the data collected in Task 2, a conceptual evaluation of the suitability of the site for RIBs will be conducted. The evaluation will be based on the important features of the hydrogeological/hydrologic system within the study area. The conceptual evaluation will provide:

- Conceptual geologic cross sections of geologic/hydrologic framework (thicknesses and properties of aquifer units),
- Identification of published ranges of hydraulic properties (hydraulic conductivity, and storativity) for each aquifer unit,
- Identification of constraints that may limit RIB loading, and
- Range of anticipated RIB bottom area loading rates (gallons per day per square feet).
- A preliminary mounding analysis will be conducted using the empirical Hantush 1967 method. (Hantush, 1967) or regional groundwater flow models. The preliminary groundwater mounding analysis will provide guidance on the suitability of each site for RIBs. A more realistic representation of the vertical component of flow and anticipated mounding requires development of a site-specific finite-difference model, such as MODFLOW. The development of the site-specific MODFLOW model will be developed in Phase 2.

Deliverable: Memorandum with conceptual layout of RIBs and estimated hydraulic loading capacity per site.

Task 201.3b Conceptual RIB Design and Cost Estimate

Based on the modeling results, a conceptual design will be prepared for the proposed RIBs. This design will detail:

- Number of RIBs, estimated bottom area, and general site layout.



- Pipe network required for transmission of effluent to site.
- Compliance with regulatory requirements, such as FDEP buffer and setback guidelines.

A planning-level cost estimate will be provided, broken down by major components such as earthwork, fencing, grassing, pipework, and electrical systems.

Deliverables: A cost-benefit analysis will be provided, including conceptual RIB design drawings and a planning-level cost.

Task 201.4 Phase 1 Summary Report

A comprehensive report will be developed summarizing important data, discoveries, and conclusions for each task in Phase 1 of this project. In this report, site rankings and recommendation for the optimal placement of the Polk RIB based on all information presented in Phase 1 will be provided.

Deliverable: Report providing an evaluation of potential RIB sites will be provided. An online meeting will be conducted to review the results and decide upon which site(s) to move forward with in Phase 2.

Payment and Compensation

RCS will provide the outlined services on a time-and-materials basis, according to the attached billing schedule, with a not-to-exceed amount for Phase 1 of \$120,000. The estimated not-to-exceed cost of Phase 2 will be determined upon the completion of Phase 1. Estimated cost by tasks are provided below. RCS will submit monthly invoices, itemized by task, for payment.

| Task # | Task Description | Other Direct Costs \$ | Hours | Labor Costs \$ | Total Costs \$ |
|---------------|---|------------------------------|--------------|-----------------------|-----------------------|
| 201.1 | Project Coordination | 1290 | 93 | \$18,095.00 | \$19,385.00 |
| 201.1a | Kickoff Meeting | 170.00 | 12 | \$2,290.00 | \$2,460.00 |
| 201.1b | Monthly Coordination Meetings | 390.00 | 28 | \$5,505.00 | \$5,895.00 |
| 201.1c | Project Coordination | 340.00 | 24 | \$4,855.00 | \$5,195.00 |
| 201.1d | Geotech coordination | 390.00 | 29 | \$5,445.00 | \$5,835.00 |
| 201.2 | Data Collection and Review | \$1,960.00 | 158 | \$27,925.00 | \$29,885.00 |
| 201.2a | Regional Data | 990.00 | 78 | \$14,075.00 | \$15,065.00 |
| 201.2b | Development of Regional Constraints | 970.00 | 80 | \$13,850.00 | \$14,820.00 |
| 201.3 | Conceptual Level Evaluation | \$3,935.00 | 289 | \$56,695.00 | \$60,630.00 |
| 201.3a | Estimate of Hydraulic Loading Rate | 1960.00 | 148 | \$27,985.00 | \$29,945.00 |
| 201.3b | Conceptual RIB Design and Cost Estimate | 1975.00 | 141 | \$28,710.00 | \$30,685.00 |
| 201.4 | Phase 1 Summary Report | \$670.00 | 46 | \$9,430.00 | \$10,100.00 |
| 4 | Phase 1 Summary Report | 670.00 | 46 | \$9,430.00 | \$10,100.00 |
| | TOTALS | \$7,855.00 | 586 | \$112,145.00 | \$120,000.00 |



Phase 2 RIB Design – Not Included in Budget

Once the RIB site(s) are selected a complete groundwater flow modeling analysis suitable for meeting the requirements of 62-610 F.A.C. will be conducted. The design requirements listed in Chapter 62-610.523 F.A.C require the following:

“(2) The design hydraulic loading (and application) rate shall be related to the hydraulic conductivity and transmissivity of the geologic formations at the project site which shall be evaluated in depth by the permittee, with assistance from organizations or individuals qualified by training or experience in soil science, geology and hydrology ...”

“(5) A ground water mounding analysis based on site-specific information shall be included in the engineering report. This analysis shall demonstrate acceptable long-term hydraulic performance of the system. The ground water mounding analysis shall demonstrate that the ground water mound will not intercept the ground surface during any portion of the loading cycle during any time of the year. The ground water mounding analysis shall demonstrate that increases in ground water elevations shall not interfere with reasonable uses of adjacent properties.”

Specifically, the groundwater analysis will consist of a RIB loading analysis, mounding analysis and the evaluation of potential offsite impacts. In order to accomplish these primary objectives a localized groundwater flow model for the selected RIB site(s) will be developed.

Task 201.5 Groundwater Modeling

Task 201.5a Development of a Conceptual Model

A conceptual model is an interpretation of the characteristics and dynamics of the physical hydrogeologic system. The purpose of the conceptual model is to consolidate site and regional hydrogeologic and hydrologic data into a set of assumptions and concepts that can be evaluated quantitatively. Using the data collected in Phase 1, supplemented with additional site-specific data, a conceptual model will be developed, describing the important features of the hydrogeological/hydrologic system within the study area.

The conceptual model shall include the following:

- Geological Data
 - Additional geotechnical testing will be required for the selected RIB site. RCS will provide guidance on additional testing needs for the selected site(s).
 - A geologic cross section of geologic/hydrologic framework (thicknesses and properties of aquifer units) will be developed.
 - Ranges of hydraulic properties (hydraulic conductivity, and storativity) for each aquifer unit will be identified.
- Development of a conceptual water budget within the study area (rainfall, evapotranspiration, pumping, groundwater baseflow, surface water discharge, spring discharges, etc.).
- Refinement of potential daylighting model constraints. Survey data will be required for the limiting constraints identified in Phase 1 near the selected RIB site.



This conceptual model will be the basis of the groundwater flow model. Therefore, the development of an accurate and technically defensible conceptual model is of critical importance, as it serves as the basis for the groundwater flow model. Calibrated groundwater models incorporating this region, including the District Wide Regulation Model (DWRM) developed for the Southwest Florida Water Management District and the Central Florida Transient Expanded (ECFTX) model developed by Central Florida Water Initiative (CFWI) Hydrologic Analysis Team (HAT) will be reviewed. Model parameters used in these models in the area of interest will be summarized and compared to onsite data for use in the development of the site-specific models.

Deliverable: None.

Task 201.5b Model Development

This task is vital for designing an effective RIB system tailored to site-specific conditions. A groundwater flow model of the proposed effluent disposal sites will be developed based on the conceptual model defined above. A multi-layer MODFLOW model simulating the surficial aquifer, confining units, and Upper Floridan Aquifers (UFA) will be developed to estimate the potential loading capacity of the effluent disposal sites, the respective discharge to surface waters, and potential indirect potable reuse to the UFA. This model will contain transient groundwater flow conditions corresponding to average, wet season, and dry season conditions.

The model will consist of an approximately 1.0 square mile area around the proposed effluent disposal site. Actual model boundaries will be defined by natural features surrounding the proposed site. A uniform grid density will be used to simulate:

To simulate field conditions, some of the required input parameters will include:

- Groundwater elevations
- Hydraulic conductivity and /or transmissivity
- Elevation of the aquifer base
- Elevation of the structural surface of the aquifer
- Vertical leakage between aquifer layers
- Aquifer storage coefficients
- Unit recharge rates

Model Boundary Conditions and Hydrogeologic Properties

As part of the numerical model development, it will be necessary to delineate the model boundaries around the proposed site to produce boundary conditions for the aquifers around the site. The model will not consider the impact of groundwater withdrawals from local private wells within the area of the proposed site.

Aquifer hydraulic properties including the following will be developed based on readily available published data:

- Soil types (and associated physical properties) within the rapid rate effluent disposal system footprint and associated vertical flow,
- Extent of the surficial aquifer beneath and in the vicinity of the proposed effluent disposal area and hydraulic conductivity (or transmissivity) and storage values, and



- Vertical leakage through the confining soil layers.

Establish Surficial Recharge

In the groundwater flow model, the recharge rates will be defined using information such as the amount of precipitation, runoff, and water lost to evaporation /transpiration within the modeled area. This parameter will be specifically important when simulating the response to effluent disposal loading under various weather patterns (e.g., wet/dry season).

The model parameters will be determined using the best available published information from a variety of sources including the ECFTx model, USGS, SFWMD, SWFMD, FGS, NOAA, and USGS. The model will be developed from existing information. When information is not available, boundary conditions and hydrogeological properties will be selected within typical ranges based on previous modeling experience. Once developed, the model-predicted groundwater elevations will be visually compared against published groundwater contour maps to determine the level of accuracy of the model.

Model Calibration

Model calibration refers to the process of adjusting aquifer hydraulic parameters (calibration parameters) in the model to obtain a close statistical match between field data (flows and heads) and model predicted data. The numerical model will be calibrated based on the data compiled during Phase 1 and the site-specific data collected in Phase 2.

Calibration of groundwater models is generally a three-step process consisting of:

1. Calibration of Hydraulic Properties
 - a. Accomplished by simulating Aquifer Performance Tests conducted within the model area
 - b. Compare observed drawdown curves with those simulated
 - c. Vary horizontal and vertical hydraulic conductivity until model predicted drawdown matches observed.
2. Calibration of Boundary Conditions
 - a. Calibration of boundary conditions
 - b. Compare average measured water level to model predicted
 $\text{Residual} = (\text{Observed Water Level}) - (\text{Model-Predicted Water Level})$
 - c. Good Calibration: Average residual close to zero and standard deviation less than one
3. Calibration Confirmation
 - a. Capability of the hydrologic model in predicting aquifer response to temporal variations in rainfall and aquifer recharge
 - b. Confirmation stress periods are set up based on rainfall events, time periods that have reliable data, and/or a time period of interest

Task 201.5c Development of Model Simulations

The model will be used to perform an effluent disposal loading analysis, mounding analysis, and the evaluation of potential offsite impacts.

A series of up to twelve simulations, varying the hydraulic loading rate at each site, will be conducted to determine the maximum loading rate for the effluent disposal sites allowable prior to exceeding the following constraint conditions:



- Breakout of groundwater above land surface (daylighting) due to loading of the effluent disposal system.
- Excessive increase in groundwater flow to surface waters.
- Groundwater elevations beneath the proposed facilities on the adjacent wastewater treatment plant exceed design depth-to-water assumptions.

A mounding analysis for each simulation, including contour maps, will be provided for the end of the wet season. In addition, a water budget analysis will be conducted for the existing conditions, and each simulation to quantify the increase in groundwater flow associated with the increase in effluent disposal. This water budget analysis will also be used to investigate the potential environmental impacts to nearby surface water features.

Deliverable: None

Task 201.6 Groundwater Mounding Analysis Report

A report summarizing the results of the numerical modeling will be completed. The report will contain a discussion of the model development, development of model simulation, and discussion of model results (mounding analysis and water budget analysis) to meet the deliverable requirement for the FDEP permitting for the RIB sites. The FDEP permit application will be completed by others.

Deliverable: Final Report - One electronic of the report will be provided for review. After review of the report, an electronic copy along with three final, signed and sealed copies will be provided. This will report will be included as an attachment to the preliminary design report required for permitting the RIBs. An electronic copy of the model input and output files will be provided.

Attachment A-4



February 4, 2025

Mr. Victor Godlewski, P.E.

Carollo

200 East Robinson Street, Suite 1400

Orlando, Florida 32801

Re: Proposal for Geotechnical Engineering Services
Polk County East Regional Utility Service Area (ERUSA) Site 1 Feasibility
Polk County, Florida
Madrid Proposal No. 15766

Dear Mr. Godlewski,

Madrid Engineering Group, Inc., dba Madrid CPWG, (Madrid) has been requested to provide an estimate for a geotechnical exploration for the potential commercial development to be constructed in Polk County, Florida. The purpose of the exploration is to collect subsurface soil information in order to provide data for the proposed design and construction. A final report with a summary of the exploration including a discussion of field activities performed, subsurface conditions, boring profiles, and laboratory test results will be provided.

Project Understanding

Based on information provided by the Client, Madrid understands that the potential development may consist of the construction of a new water production facility (WPF) and the wastewater treatment facility (WWTF).

In this proposal we assume that proposed boring locations are readily accessible to our equipment. We will advise you of the need for difficult access time for providing access to the proposed boring locations, should it prove necessary, prior to incurring any additional expense.

Should the above information or assumptions be inconsistent with planned construction, the Client should contact the Madrid office and allow necessary modifications to be made to the proposal.

Scope of Services:

The geotechnical engineering scope of services will include the following items.

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**

- Field exploration, consisting of drilling, testing, and sampling of the subsurface materials and observation of current groundwater levels while drilling.
- Laboratory testing of recovered samples of the subsurface materials.
- Providing results in written report format.

Field Exploration

As requested, we propose to perform the following services:

- Site reconnaissance and stake borings.
- 811 utility locates.
- Mobilization to the site.
- One (1) 150-foot-deep or shallower Standard Penetration Test (SPT) boring to the top of the Upper Floridan Aquifer at the Client designated location.
- One (1) 50-foot-deep SPT boring at the Client designated location.
- Fifteen (15) 6-foot-deep hand auger borings at the Client designated locations.
- Four (4) Double Ring Infiltrometer (DRI) tests at the Client designated locations.

Report

The results of the subsurface exploration will be presented in a written geotechnical report. The geotechnical report will include the following items:

- A description of the site, fieldwork, laboratory testing, and general soil conditions encountered, together with a Boring Location Plan, and individual Test Boring Records.
- Measured apparent groundwater levels at boring locations.
- DRI test results.
- A pdf version of the geotechnical report will be prepared and submitted by email to the Client and design team. If requested by the Client, additional hard copies can be provided. The geotechnical report will be reviewed, signed, and sealed by a registered Professional Engineer in the State of Florida.

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.



Fee & Schedule

TASK 1: FIELD SERVICES

SITE RECON/STAKE BORINGS (FIELD TECH)
 DRILL RIG MOBILIZATION
 SPT BORINGS (0-50')
 SPT BORINGS (50'-100')
 SPT BORINGS (100'-150')
 TEMP. 3" CASING (0'-50')
 TEMP. 3" CASING (50'-100')
 BOREHOLE GROUT/BACKFILL (0-50')
 BOREHOLE GROUT/BACKFILL (50'-100')
 BOREHOLE GROUT/BACKFILL (100'-150')
 HAND AUGER
 DRI TEST

| QUANTITY | RATE | UNIT | COST |
|---|-----------|------|---------------------|
| 1 | \$ 460.00 | /LS | \$ 460.00 |
| 1 | \$ 650.00 | /LS | \$ 650.00 |
| 100 | \$ 16.00 | /LF | \$ 1,600.00 |
| 50 | \$ 19.00 | /LF | \$ 950.00 |
| 50 | \$ 30.00 | /LF | \$ 1,500.00 |
| 50 | \$ 10.00 | /LF | \$ 500.00 |
| 50 | \$ 13.00 | /LF | \$ 650.00 |
| 100 | \$ 6.50 | /LF | \$ 650.00 |
| 50 | \$ 8.50 | /LF | \$ 425.00 |
| 50 | \$ 11.50 | /LF | \$ 575.00 |
| 90 | \$ 12.00 | /LF | \$ 1,080.00 |
| 4 | \$ 650.00 | /EA | \$ 2,600.00 |
| Proposed Budget for Field Services | | | \$ 11,640.00 |

TASK 2: LABORATORY TESTING OF SOILS

VISUAL CLASSIFICATION/ BORING LOGS
 ORGANIC CONTENT
 MINUS 200 SIEVE PERCENT
 MOISTURE CONTENT

| | | | |
|---|-----------|-----|--------------------|
| 5 | \$ 110.00 | /HR | \$ 550.00 |
| 10 | \$ 48.00 | /EA | \$ 480.00 |
| 50 | \$ 50.00 | /EA | \$ 2,500.00 |
| 50 | \$ 18.00 | /EA | \$ 900.00 |
| Proposed Budget for Laboratory Testing | | | \$ 4,430.00 |

TASK 3: PROFESSIONAL SERVICES AND REPORT

LUMP SUM

| | | | |
|--|-------------|-----|---------------------|
| 1 | \$ 4,300.00 | /LS | \$ 4,300.00 |
| Proposed Budget for Professional Services | | | \$ 4,300.00 |
| TOTAL PROPOSED BUDGET | | | \$ 20,370.00 |

Borings will be located by handheld GPS; however, it is recommended that borings be staked by a registered surveyor prior to beginning the work. This proposal is valid for 90 days from the date estimated. Project will be billed Lump Sum by task, based on the scope provided. We anticipate beginning the field work approximately 2 to 3 weeks after receiving the authorization to proceed and field services will take approximately 4-5 days to complete. The final report summarizing our findings will be complete approximately 2 to 3 weeks following completion of the fieldwork. 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 15766 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.

Andre Kniazeff, P.E.
Geotechnical Engineering Division Leader

AUTHORIZATION TO PROCEED

Signature

Date

Madrid CPWG STANDARD PROVISIONS

(1) **Consultant's Scope of Services and Additional Services.** The Consultant's undertaking to perform professional services extends only to the services specifically described in this Agreement. However, if requested by the Client and agreed to by the Consultant, the Consultant will perform additional services ("Additional Services"), and such Additional Services shall be governed by these provisions. Unless otherwise agreed to in writing, the Client shall pay the Consultant for the performance of any Additional Services an amount based upon the Consultant's then-current hourly rates plus an amount to cover certain direct expenses including in-house duplicating, local mileage, telephone calls, postage, and word processing. Other direct expenses will be billed at 1.15 times cost. Technical use of computers for design, analysis, GIS, and graphics, etc., will be billed at \$25.00 per hour.

(2) **Client's Responsibilities.** In addition to other responsibilities described herein or imposed by law, the Client shall:

- (a) Designate in writing a person to act as its representative with respect to this Agreement, such person having complete authority to transmit instructions, receive information, and make or interpret the Client's decisions.
- (b) Provide all information and criteria as to the Client's requirements, objectives, and expectations for the project including all numerical criteria that are to be met and all standards of development, design, or construction.
- (c) Provide to the Consultant all previous studies, plans, or other documents pertaining to the project and all new data reasonably necessary in the Consultant's opinion, such as site survey and engineering data, environmental impact assessments or statements, zoning or other land use regulations, etc., upon all of which the Consultant may rely.
- (d) Arrange for access to the site and other private or public property as required for the Consultant to provide its services.
- (e) Review all documents or oral reports presented by the Consultant and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of the Consultant.
- (f) Furnish approvals and permits from governmental authorities having jurisdiction over the project and approvals and consents from other parties as may be necessary for completion of the Consultant's services.
- (g) Cause to be provided such independent accounting, legal, insurance, cost estimating and overall feasibility services as the Client may require or the Consultant may reasonably request in furtherance of the project development.
- (h) Give prompt written notice to the Consultant whenever the Client becomes aware of any development that affects the scope and timing of the Consultant's services or any defect or noncompliance in any aspect of the project.
- (i) Bear all costs incident to the responsibilities of the Client.

(3) **Period of Services.** Unless otherwise stated herein, the Consultant will begin work timely after receipt of an executed copy of this Agreement and will complete the services in a reasonable time. This Agreement is made in anticipation of conditions permitting continuous and orderly progress through completion of the services. Times for performance shall be extended as necessary for delays or suspensions due to circumstances that the Consultant does not control. If such delay or suspension extends for more than six months (cumulatively), Consultant's compensation shall be renegotiated.

(4) **Method of Payment.** Compensation shall be paid to the Consultant in accordance with the following provisions:

- (a) Invoices will be submitted periodically, via regular mail or email, for services performed and expenses incurred. Payment of each invoice will be due within 25 days of receipt. The Client shall also pay any applicable sales tax. All retainers will be held by the Consultant for the duration of the project and applied against the final invoice. Interest will be added to accounts not paid within 25 days at the maximum rate allowed by law. If the Client fails to make any payment due the Consultant under this or any other agreement within 30 days after the Consultant's transmittal of its invoice, the Consultant may, after giving notice to the Client, suspend services until all amounts due are paid in full.
- (b) If the Client objects to an invoice, it must advise the Consultant in writing giving its reasons within 14 days of receipt of the invoice or the Client's objections will be waived, and the invoice shall conclusively be deemed due and owing.
- (c) The Client agrees that the payment to the Consultant is not subject to any contingency or condition. The Consultant may negotiate payment of any check tendered by the Client, even if the words "in full satisfaction" or words intended to have similar effect appear on the check without such negotiation being an accord and satisfaction of any disputed debt and without prejudicing any right of the Consultant to collect additional amounts from the Client.

(5) **Use of Documents.** All documents, including but not limited to drawings, specifications, reports, and data or programs stored electronically, prepared by the Consultant are related exclusively to the services described in this Agreement, and may be used only if the Client has satisfied all of its obligations under this Agreement. They are not intended or represented to be suitable for use, partial use or reuse by the Client or others on extensions of this project or on any other project. Any modifications made by the Client to any of the Consultant's documents, or any use, partial use or reuse of the documents without written authorization or adaptation by the Consultant will be at the

Client's sole risk and without liability to the Consultant, and the Client shall indemnify, defend and hold the Consultant harmless from all claims, damages, losses and expenses, including but not limited to attorneys' fees, resulting therefrom. Any authorization or adaptation will entitle the Consultant to further compensation at rates to be agreed upon by the Client and the Consultant. Any electronic files not containing an electronic seal are provided only for the convenience of the Client, and use of them is at the Client's sole risk. In the case of any defects in the electronic files or any discrepancies between them and the hardcopy of the documents prepared by the Consultant, the hardcopy shall govern. Only printed copies of documents conveyed by the Consultant may be relied upon. Because data stored in electronic media format can deteriorate or be modified without the Consultant's authorization, the Client has 60 days to perform acceptance tests, after which it shall be deemed to have accepted the data.

(6) **Opinions of Cost.** Because the Consultant does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any opinions rendered as to costs, including but not limited to opinions as to the costs of construction and materials, shall be made on the basis of its experience and represent its judgment as an experienced and qualified professional, familiar with the industry. The Consultant cannot and does not guarantee that proposals, bids or actual costs will not vary from its opinions of cost. If the Client wishes greater assurance as to the amount of any cost, it shall employ an independent cost estimator. Consultant's services required to bring costs within any limitation established by the Client will be paid for as Additional Services.

(7) **Termination.** The obligation to provide further services under this Agreement may be terminated by either party upon seven days' written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party, or upon thirty days' written notice for the convenience of the terminating party. If any change occurs in the ownership of the Client, the Consultant shall have the right to immediately terminate this Agreement. In the event of any termination, the Consultant shall be paid for all services rendered and expenses incurred to the effective date of termination, and other reasonable expenses incurred by the Consultant as a result of such termination. If the Consultant's compensation is a fixed fee, the amount payable for services will be a proportional amount of the total fee based on the ratio of the amount of the services performed, as reasonably determined by the Consultant, to the total amount of services which were to have been performed.

(8) **Insurance.** The Consultant carries Workers' Compensation insurance, professional liability insurance, and general liability insurance. If the Client directs the Consultant to obtain increased insurance coverage, the Consultant will take out such additional insurance, if obtainable, at the Client's expense.

(9) **Standard of Care.** In performing its professional services, the Consultant will use that degree of care and skill ordinarily exercised, under similar circumstances, by reputable members of its profession in the same locality at the time the services are provided. No warranty, express or implied, is made or intended by the Consultant's undertaking herein or its performance of services, and it is agreed that the Consultant is not a fiduciary with respect to the Client.

(10) **LIMITATION OF LIABILITY.** In recognition of the relative risks and benefits of the Project to both the Client and the Consultant, the risks have been allocated such that the Client agrees, to the fullest extent of the law, and notwithstanding any other provisions of this Agreement or the existence of applicable insurance coverage, that the total liability, in the aggregate, of the Consultant and the Consultant's officers, directors, employees, agents, and subconsultants to the Client or to anyone claiming by, through or under the Client, for any and all claims, losses, costs or damages whatsoever arising out of, resulting from or in any way related to the services under this Agreement from any cause or causes, including but not limited to, the negligence, professional errors or omissions, strict liability or breach of contract or any warranty, express or implied, of the Consultant or the Consultant's officers, directors, employees, agents, and subconsultants, shall not exceed twice the total compensation received by the Consultant under this Agreement or

\$50,000, whichever is greater. Higher limits of liability may be negotiated for additional fee. Under no circumstances shall the Consultant be liable to the Client or those claiming by or through the Client for lost profits or consequential damages, for extra costs or other consequences due to changed conditions, or for costs related to the failure of contractors to perform work in accordance with the plans and specifications. This Section 10 is intended solely to limit the remedies available to the Client or those claiming by or through the Client, and nothing in this Section 10 shall require the Client to indemnify the Consultant.

(11) **Certifications.** The Consultant shall not be required to execute certifications or third-party reliance letters that are inaccurate, that relate to facts of which the Consultant does not have actual knowledge, or that would cause the Consultant to violate applicable rules of professional responsibility.

(12) **Dispute Resolution.** All claims by the Client arising out of this Agreement or its breach shall be submitted first to mediation in accordance with the Construction Industry Mediation Rules of the American Arbitration Association as a condition precedent to litigation. Any mediation or civil action by Client must be commenced within one year of the accrual of the cause of action asserted but in no event later than allowed by applicable statutes.

(13) **Hazardous Substances and Conditions.**

(a) Services related to determinations involving hazardous substances or conditions, as defined by federal or state law, are limited to those tasks expressly stated in the scope of services. In any event, Consultant shall not be a

custodian, transporter, handler, arranger, contractor, or remediator with respect to hazardous substances and conditions. Consultant's services will be limited to professional analysis, recommendations, and reporting, including, when agreed to, plans and specifications for isolation, removal, or remediation.

1. The Consultant shall notify the Client of hazardous substances or conditions not contemplated in the scope of services of which the Consultant actually becomes aware. Upon such notice by the Consultant, the Consultant may stop affected portions of its services until the hazardous substance or condition is eliminated. The parties shall decide if Consultant is to proceed with its services and if Consultant is to conduct testing and evaluations, and the parties may enter into further agreements as to the additional scope, fee, and terms for such services.

(14) Construction Phase Services.

(a) If the Consultant's services include the preparation of documents to be used for construction and the Consultant is not retained to make periodic site visits, the Client assumes all responsibility for interpretation of the documents and for construction observation, and the Client waives any claims against the Consultant in any way connected thereto.

(b) If the Consultant provides construction phase services, the Consultant shall have no responsibility for any contractor's means, methods, techniques, equipment choice and usage, sequence, schedule, safety programs, or safety practices, nor shall Consultant have any authority or responsibility to stop or direct the work of any contractor. The Consultant's visits will be for the purpose of endeavoring to provide the Client a greater degree of confidence that the completed work of its contractors will generally conform to the construction documents prepared by the Consultant. Consultant neither guarantees the performance of contractors, nor assumes responsibility for any contractor's failure to perform its work in accordance with the contract documents.

(c) The Consultant is not responsible for any duties assigned to the design professional in the construction contract that are not expressly provided for in this Agreement. The Client agrees that each contract with any contractor shall state that the contractor shall be solely responsible for job site safety and for its means and methods; that the contractor shall indemnify the Client and the Consultant for all claims and liability arising out of job site accidents; and that the Client and the Consultant shall be made additional insureds under the contractor's general liability insurance policy.

(15) No Third-Party Beneficiaries; Assignment and Subcontracting. This Agreement gives no rights or benefits to anyone other than the Client and the Consultant, and all duties and responsibilities undertaken pursuant to this Agreement will be for the sole benefit of the Client and the Consultant. The

Client shall not assign or transfer any rights under or interest in this Agreement, or any claim arising out of the performance of services by Consultant, without the written consent of the Consultant. The Consultant reserves the right to augment its staff with subconsultants as it deems appropriate due to project logistics, schedules, or market conditions. If the Consultant exercises this right, the Consultant will maintain the agreed-upon billing rates for services identified in the contract, regardless of whether the services are provided by in-house employees, contract employees, or independent subconsultants.

(16) Confidentiality. The Client consents to the use and dissemination by the Consultant of photographs of the project and to the use by the Consultant of facts, data and information obtained by the Consultant in the performance of its services. If, however, any facts, data or information are specifically identified in writing by the Client as confidential, the Consultant shall use reasonable care to maintain the confidentiality of that material.

(17) Miscellaneous Provisions. This Agreement is to be governed by the law of the State of Florida. This Agreement contains the entire and fully integrated agreement between the parties and supersedes all prior and contemporaneous negotiations, representations, agreements or understandings, whether written or oral. Except as provided in Section 1, this Agreement can be supplemented or amended only by a written document executed by both parties. Provided, however, that any conflicting or additional terms on any purchase order issued by the Client shall be void and are hereby expressly rejected by the Consultant. Any provision in this Agreement that is unenforceable shall be ineffective to the extent of such unenforceability without invalidating the remaining provisions. The non-enforcement of any provision by either party shall not constitute a waiver of that provision nor shall it affect the enforceability of that provision or of the remainder of this Agreement.



February 4, 2025

Mr. Victor Godlewski, P.E.

Carollo

200 East Robinson Street, Suite 1400

Orlando, Florida 32801

Re: Proposal for Geotechnical Engineering Services
Polk County East Regional Utility Service Area (ERUSA) Site 2 Feasibility
Polk County, Florida
Madrid Proposal No. 15767

Dear Mr. Godlewski,

Madrid Engineering Group, Inc., dba Madrid CPWG, (Madrid) has been requested to provide an estimate for a geotechnical exploration for the potential commercial development to be constructed in Polk County, Florida. The purpose of the exploration is to collect subsurface soil information in order to provide data for the proposed design and construction. A final report with a summary of the exploration including a discussion of field activities performed, subsurface conditions, boring profiles, and laboratory test results will be provided.

Project Understanding

Based on information provided by the Client, Madrid understands that the potential development may consist of the construction of a new water production facility (WPF) and the wastewater treatment facility (WWTF).

In this proposal we assume that proposed boring locations are readily accessible to our equipment. We will advise you of the need for difficult access time for providing access to the proposed boring locations, should it prove necessary, prior to incurring any additional expense.

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Scope of Services:

The geotechnical engineering scope of services will include the following items.

AT THE READY

2030 State Road 60 East, Bartow, FL 33830

P: 863.533.9007

**Athletic Complex
Design**

**Commercial
Development**

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Engineering and
Inspection (CEI)**

**Construction
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**Environmental
Services and Water
Resources**

**Geotechnical
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**Landscape
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Planning

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Stormwater Services

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**Structural
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- Field exploration, consisting of drilling, testing, and sampling of the subsurface materials and observation of current groundwater levels while drilling.
- Laboratory testing of recovered samples of the subsurface materials.
- Providing results in written report format.

Field Exploration

As requested, we propose to perform the following services:

- Site reconnaissance and stake borings.
- 811 utility locates.
- Mobilization to the site.
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- Fifteen (15) 6-foot-deep hand auger borings at the Client designated locations.
- Four (4) Double Ring Infiltrometer (DRI) tests at the Client designated locations.

Report

The results of the subsurface exploration will be presented in a written geotechnical report. The geotechnical report will include the following items:

- A description of the site, fieldwork, laboratory testing, and general soil conditions encountered, together with a Boring Location Plan, and individual Test Boring Records.
- Measured apparent groundwater levels at boring locations.
- DRI test results.
- A pdf version of the geotechnical report will be prepared and submitted by email to the Client and design team. If requested by the Client, additional hard copies can be provided. The geotechnical report will be reviewed, signed, and sealed by a registered Professional Engineer in the State of Florida.

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.



Fee & Schedule

TASK 1: FIELD SERVICES

| | QUANTITY | RATE | UNIT | COST |
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| Proposed Budget for Field Services | | | | \$ 11,640.00 |

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| Proposed Budget for Laboratory Testing | | | | \$ 4,430.00 |

TASK 3: PROFESSIONAL SERVICES AND REPORT

| | | | | |
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| LUMP SUM | 1 | \$ 4,300.00 | /LS | \$ 4,300.00 |
| Proposed Budget for Professional Services | | | | \$ 4,300.00 |
| TOTAL PROPOSED BUDGET | | | | \$ 20,370.00 |

Borings will be located by handheld GPS; however, it is recommended that borings be staked by a registered surveyor prior to beginning the work. This proposal is valid for 90 days from the date estimated. Project will be billed Lump Sum by task, based on the scope provided. We anticipate beginning the field work approximately 2 to 3 weeks after receiving the authorization to proceed and field services will take approximately 4-5 days to complete. The final report summarizing our findings will be complete approximately 2 to 3 weeks following completion of the fieldwork. 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 15767 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.

Andre Kniazeff, P.E.
Geotechnical Engineering Division Leader

AUTHORIZATION TO PROCEED

Signature

Date

Madrid CPWG STANDARD PROVISIONS

(1) **Consultant's Scope of Services and Additional Services.** The Consultant's undertaking to perform professional services extends only to the services specifically described in this Agreement. However, if requested by the Client and agreed to by the Consultant, the Consultant will perform additional services ("Additional Services"), and such Additional Services shall be governed by these provisions. Unless otherwise agreed to in writing, the Client shall pay the Consultant for the performance of any Additional Services an amount based upon the Consultant's then-current hourly rates plus an amount to cover certain direct expenses including in-house duplicating, local mileage, telephone calls, postage, and word processing. Other direct expenses will be billed at 1.15 times cost. Technical use of computers for design, analysis, GIS, and graphics, etc., will be billed at \$25.00 per hour.

(2) **Client's Responsibilities.** In addition to other responsibilities described herein or imposed by law, the Client shall:

- (a) Designate in writing a person to act as its representative with respect to this Agreement, such person having complete authority to transmit instructions, receive information, and make or interpret the Client's decisions.
- (b) Provide all information and criteria as to the Client's requirements, objectives, and expectations for the project including all numerical criteria that are to be met and all standards of development, design, or construction.
- (c) Provide to the Consultant all previous studies, plans, or other documents pertaining to the project and all new data reasonably necessary in the Consultant's opinion, such as site survey and engineering data, environmental impact assessments or statements, zoning or other land use regulations, etc., upon all of which the Consultant may rely.
- (d) Arrange for access to the site and other private or public property as required for the Consultant to provide its services.
- (e) Review all documents or oral reports presented by the Consultant and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of the Consultant.
- (f) Furnish approvals and permits from governmental authorities having jurisdiction over the project and approvals and consents from other parties as may be necessary for completion of the Consultant's services.
- (g) Cause to be provided such independent accounting, legal, insurance, cost estimating and overall feasibility services as the Client may require or the Consultant may reasonably request in furtherance of the project development.
- (h) Give prompt written notice to the Consultant whenever the Client becomes aware of any development that affects the scope and timing of the Consultant's services or any defect or noncompliance in any aspect of the project.
- (i) Bear all costs incident to the responsibilities of the Client.

(3) **Period of Services.** Unless otherwise stated herein, the Consultant will begin work timely after receipt of an executed copy of this Agreement and will complete the services in a reasonable time. This Agreement is made in anticipation of conditions permitting continuous and orderly progress through completion of the services. Times for performance shall be extended as necessary for delays or suspensions due to circumstances that the Consultant does not control. If such delay or suspension extends for more than six months (cumulatively), Consultant's compensation shall be renegotiated.

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- (a) Invoices will be submitted periodically, via regular mail or email, for services performed and expenses incurred. Payment of each invoice will be due within 25 days of receipt. The Client shall also pay any applicable sales tax. All retainers will be held by the Consultant for the duration of the project and applied against the final invoice. Interest will be added to accounts not paid within 25 days at the maximum rate allowed by law. If the Client fails to make any payment due the Consultant under this or any other agreement within 30 days after the Consultant's transmittal of its invoice, the Consultant may, after giving notice to the Client, suspend services until all amounts due are paid in full.
- (b) If the Client objects to an invoice, it must advise the Consultant in writing giving its reasons within 14 days of receipt of the invoice or the Client's objections will be waived, and the invoice shall conclusively be deemed due and owing.
- (c) The Client agrees that the payment to the Consultant is not subject to any contingency or condition. The Consultant may negotiate payment of any check tendered by the Client, even if the words "in full satisfaction" or words intended to have similar effect appear on the check without such negotiation being an accord and satisfaction of any disputed debt and without prejudicing any right of the Consultant to collect additional amounts from the Client.

(5) **Use of Documents.** All documents, including but not limited to drawings, specifications, reports, and data or programs stored electronically, prepared by the Consultant are related exclusively to the services described in this Agreement, and may be used only if the Client has satisfied all of its obligations under this Agreement. They are not intended or represented to be suitable for use, partial use or reuse by the Client or others on extensions of this project or on any other project. Any modifications made by the Client to any of the Consultant's documents, or any use, partial use or reuse of the documents without written authorization or adaptation by the Consultant will be at the

Client's sole risk and without liability to the Consultant, and the Client shall indemnify, defend and hold the Consultant harmless from all claims, damages, losses and expenses, including but not limited to attorneys' fees, resulting therefrom. Any authorization or adaptation will entitle the Consultant to further compensation at rates to be agreed upon by the Client and the Consultant. Any electronic files not containing an electronic seal are provided only for the convenience of the Client, and use of them is at the Client's sole risk. In the case of any defects in the electronic files or any discrepancies between them and the hardcopy of the documents prepared by the Consultant, the hardcopy shall govern. Only printed copies of documents conveyed by the Consultant may be relied upon. Because data stored in electronic media format can deteriorate or be modified without the Consultant's authorization, the Client has 60 days to perform acceptance tests, after which it shall be deemed to have accepted the data.

(6) **Opinions of Cost.** Because the Consultant does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any opinions rendered as to costs, including but not limited to opinions as to the costs of construction and materials, shall be made on the basis of its experience and represent its judgment as an experienced and qualified professional, familiar with the industry. The Consultant cannot and does not guarantee that proposals, bids or actual costs will not vary from its opinions of cost. If the Client wishes greater assurance as to the amount of any cost, it shall employ an independent cost estimator. Consultant's services required to bring costs within any limitation established by the Client will be paid for as Additional Services.

(7) **Termination.** The obligation to provide further services under this Agreement may be terminated by either party upon seven days' written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party, or upon thirty days' written notice for the convenience of the terminating party. If any change occurs in the ownership of the Client, the Consultant shall have the right to immediately terminate this Agreement. In the event of any termination, the Consultant shall be paid for all services rendered and expenses incurred to the effective date of termination, and other reasonable expenses incurred by the Consultant as a result of such termination. If the Consultant's compensation is a fixed fee, the amount payable for services will be a proportional amount of the total fee based on the ratio of the amount of the services performed, as reasonably determined by the Consultant, to the total amount of services which were to have been performed.

(8) **Insurance.** The Consultant carries Workers' Compensation insurance, professional liability insurance, and general liability insurance. If the Client directs the Consultant to obtain increased insurance coverage, the Consultant will take out such additional insurance, if obtainable, at the Client's expense.

(9) **Standard of Care.** In performing its professional services, the Consultant will use that degree of care and skill ordinarily exercised, under similar circumstances, by reputable members of its profession in the same locality at the time the services are provided. No warranty, express or implied, is made or intended by the Consultant's undertaking herein or its performance of services, and it is agreed that the Consultant is not a fiduciary with respect to the Client.

(10) **LIMITATION OF LIABILITY.** In recognition of the relative risks and benefits of the Project to both the Client and the Consultant, the risks have been allocated such that the Client agrees, to the fullest extent of the law, and notwithstanding any other provisions of this Agreement or the existence of applicable insurance coverage, that the total liability, in the aggregate, of the Consultant and the Consultant's officers, directors, employees, agents, and subconsultants to the Client or to anyone claiming by, through or under the Client, for any and all claims, losses, costs or damages whatsoever arising out of, resulting from or in any way related to the services under this Agreement from any cause or causes, including but not limited to, the negligence, professional errors or omissions, strict liability or breach of contract or any warranty, express or implied, of the Consultant or the Consultant's officers, directors, employees, agents, and subconsultants, shall not exceed twice the total compensation received by the Consultant under this Agreement or

\$50,000, whichever is greater. Higher limits of liability may be negotiated for additional fee. Under no circumstances shall the Consultant be liable to the Client or those claiming by or through the Client for lost profits or consequential damages, for extra costs or other consequences due to changed conditions, or for costs related to the failure of contractors to perform work in accordance with the plans and specifications. This Section 10 is intended solely to limit the remedies available to the Client or those claiming by or through the Client, and nothing in this Section 10 shall require the Client to indemnify the Consultant.

(11) **Certifications.** The Consultant shall not be required to execute certifications or third-party reliance letters that are inaccurate, that relate to facts of which the Consultant does not have actual knowledge, or that would cause the Consultant to violate applicable rules of professional responsibility.

(12) **Dispute Resolution.** All claims by the Client arising out of this Agreement or its breach shall be submitted first to mediation in accordance with the Construction Industry Mediation Rules of the American Arbitration Association as a condition precedent to litigation. Any mediation or civil action by Client must be commenced within one year of the accrual of the cause of action asserted but in no event later than allowed by applicable statutes.

(13) **Hazardous Substances and Conditions.**

(a) Services related to determinations involving hazardous substances or conditions, as defined by federal or state law, are limited to those tasks expressly stated in the scope of services. In any event, Consultant shall not be a

custodian, transporter, handler, arranger, contractor, or remediator with respect to hazardous substances and conditions. Consultant's services will be limited to professional analysis, recommendations, and reporting, including, when agreed to, plans and specifications for isolation, removal, or remediation.

1. The Consultant shall notify the Client of hazardous substances or conditions not contemplated in the scope of services of which the Consultant actually becomes aware. Upon such notice by the Consultant, the Consultant may stop affected portions of its services until the hazardous substance or condition is eliminated. The parties shall decide if Consultant is to proceed with its services and if Consultant is to conduct testing and evaluations, and the parties may enter into further agreements as to the additional scope, fee, and terms for such services.

(14) Construction Phase Services.

(a) If the Consultant's services include the preparation of documents to be used for construction and the Consultant is not retained to make periodic site visits, the Client assumes all responsibility for interpretation of the documents and for construction observation, and the Client waives any claims against the Consultant in any way connected thereto.

(b) If the Consultant provides construction phase services, the Consultant shall have no responsibility for any contractor's means, methods, techniques, equipment choice and usage, sequence, schedule, safety programs, or safety practices, nor shall Consultant have any authority or responsibility to stop or direct the work of any contractor. The Consultant's visits will be for the purpose of endeavoring to provide the Client a greater degree of confidence that the completed work of its contractors will generally conform to the construction documents prepared by the Consultant. Consultant neither guarantees the performance of contractors, nor assumes responsibility for any contractor's failure to perform its work in accordance with the contract documents.

(c) The Consultant is not responsible for any duties assigned to the design professional in the construction contract that are not expressly provided for in this Agreement. The Client agrees that each contract with any contractor shall state that the contractor shall be solely responsible for job site safety and for its means and methods; that the contractor shall indemnify the Client and the Consultant for all claims and liability arising out of job site accidents; and that the Client and the Consultant shall be made additional insureds under the contractor's general liability insurance policy.

(15) No Third-Party Beneficiaries; Assignment and Subcontracting. This Agreement gives no rights or benefits to anyone other than the Client and the Consultant, and all duties and responsibilities undertaken pursuant to this Agreement will be for the sole benefit of the Client and the Consultant. The

Client shall not assign or transfer any rights under or interest in this Agreement, or any claim arising out of the performance of services by Consultant, without the written consent of the Consultant. The Consultant reserves the right to augment its staff with subconsultants as it deems appropriate due to project logistics, schedules, or market conditions. If the Consultant exercises this right, the Consultant will maintain the agreed-upon billing rates for services identified in the contract, regardless of whether the services are provided by in-house employees, contract employees, or independent subconsultants.

(16) Confidentiality. The Client consents to the use and dissemination by the Consultant of photographs of the project and to the use by the Consultant of facts, data and information obtained by the Consultant in the performance of its services. If, however, any facts, data or information are specifically identified in writing by the Client as confidential, the Consultant shall use reasonable care to maintain the confidentiality of that material.

(17) Miscellaneous Provisions. This Agreement is to be governed by the law of the State of Florida. This Agreement contains the entire and fully integrated agreement between the parties and supersedes all prior and contemporaneous negotiations, representations, agreements or understandings, whether written or oral. Except as provided in Section 1, this Agreement can be supplemented or amended only by a written document executed by both parties. Provided, however, that any conflicting or additional terms on any purchase order issued by the Client shall be void and are hereby expressly rejected by the Consultant. Any provision in this Agreement that is unenforceable shall be ineffective to the extent of such unenforceability without invalidating the remaining provisions. The non-enforcement of any provision by either party shall not constitute a waiver of that provision nor shall it affect the enforceability of that provision or of the remainder of this Agreement.



February 4, 2025

Mr. Victor Godlewski, P.E.

Carollo

200 East Robinson Street, Suite 1400

Orlando, Florida 32801

Re: Proposal for Geotechnical Engineering Services
Polk County East Regional Utility Service Area (ERUSA) Site 3 Feasibility
Polk County, Florida
Madrid Proposal No. 15768

Dear Mr. Godlewski,

Madrid Engineering Group, Inc., dba Madrid CPWG, (Madrid) has been requested to provide an estimate for a geotechnical exploration for the potential commercial development to be constructed in Polk County, Florida. The purpose of the exploration is to collect subsurface soil information in order to provide data for the proposed design and construction. A final report with a summary of the exploration including a discussion of field activities performed, subsurface conditions, boring profiles, and laboratory test results will be provided.

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Andre Kniazeff, P.E.
Geotechnical Engineering Division Leader

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- (a) Invoices will be submitted periodically, via regular mail or email, for services performed and expenses incurred. Payment of each invoice will be due within 25 days of receipt. The Client shall also pay any applicable sales tax. All retainers will be held by the Consultant for the duration of the project and applied against the final invoice. Interest will be added to accounts not paid within 25 days at the maximum rate allowed by law. If the Client fails to make any payment due the Consultant under this or any other agreement within 30 days after the Consultant's transmittal of its invoice, the Consultant may, after giving notice to the Client, suspend services until all amounts due are paid in full.
- (b) If the Client objects to an invoice, it must advise the Consultant in writing giving its reasons within 14 days of receipt of the invoice or the Client's objections will be waived, and the invoice shall conclusively be deemed due and owing.
- (c) The Client agrees that the payment to the Consultant is not subject to any contingency or condition. The Consultant may negotiate payment of any check tendered by the Client, even if the words "in full satisfaction" or words intended to have similar effect appear on the check without such negotiation being an accord and satisfaction of any disputed debt and without prejudicing any right of the Consultant to collect additional amounts from the Client.

(5) **Use of Documents.** All documents, including but not limited to drawings, specifications, reports, and data or programs stored electronically, prepared by the Consultant are related exclusively to the services described in this Agreement, and may be used only if the Client has satisfied all of its obligations under this Agreement. They are not intended or represented to be suitable for use, partial use or reuse by the Client or others on extensions of this project or on any other project. Any modifications made by the Client to any of the Consultant's documents, or any use, partial use or reuse of the documents without written authorization or adaptation by the Consultant will be at the

Client's sole risk and without liability to the Consultant, and the Client shall indemnify, defend and hold the Consultant harmless from all claims, damages, losses and expenses, including but not limited to attorneys' fees, resulting therefrom. Any authorization or adaptation will entitle the Consultant to further compensation at rates to be agreed upon by the Client and the Consultant. Any electronic files not containing an electronic seal are provided only for the convenience of the Client, and use of them is at the Client's sole risk. In the case of any defects in the electronic files or any discrepancies between them and the hardcopy of the documents prepared by the Consultant, the hardcopy shall govern. Only printed copies of documents conveyed by the Consultant may be relied upon. Because data stored in electronic media format can deteriorate or be modified without the Consultant's authorization, the Client has 60 days to perform acceptance tests, after which it shall be deemed to have accepted the data.

(6) **Opinions of Cost.** Because the Consultant does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any opinions rendered as to costs, including but not limited to opinions as to the costs of construction and materials, shall be made on the basis of its experience and represent its judgment as an experienced and qualified professional, familiar with the industry. The Consultant cannot and does not guarantee that proposals, bids or actual costs will not vary from its opinions of cost. If the Client wishes greater assurance as to the amount of any cost, it shall employ an independent cost estimator. Consultant's services required to bring costs within any limitation established by the Client will be paid for as Additional Services.

(7) **Termination.** The obligation to provide further services under this Agreement may be terminated by either party upon seven days' written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party, or upon thirty days' written notice for the convenience of the terminating party. If any change occurs in the ownership of the Client, the Consultant shall have the right to immediately terminate this Agreement. In the event of any termination, the Consultant shall be paid for all services rendered and expenses incurred to the effective date of termination, and other reasonable expenses incurred by the Consultant as a result of such termination. If the Consultant's compensation is a fixed fee, the amount payable for services will be a proportional amount of the total fee based on the ratio of the amount of the services performed, as reasonably determined by the Consultant, to the total amount of services which were to have been performed.

(8) **Insurance.** The Consultant carries Workers' Compensation insurance, professional liability insurance, and general liability insurance. If the Client directs the Consultant to obtain increased insurance coverage, the Consultant will take out such additional insurance, if obtainable, at the Client's expense.

(9) **Standard of Care.** In performing its professional services, the Consultant will use that degree of care and skill ordinarily exercised, under similar circumstances, by reputable members of its profession in the same locality at the time the services are provided. No warranty, express or implied, is made or intended by the Consultant's undertaking herein or its performance of services, and it is agreed that the Consultant is not a fiduciary with respect to the Client.

(10) **LIMITATION OF LIABILITY.** In recognition of the relative risks and benefits of the Project to both the Client and the Consultant, the risks have been allocated such that the Client agrees, to the fullest extent of the law, and notwithstanding any other provisions of this Agreement or the existence of applicable insurance coverage, that the total liability, in the aggregate, of the Consultant and the Consultant's officers, directors, employees, agents, and subconsultants to the Client or to anyone claiming by, through or under the Client, for any and all claims, losses, costs or damages whatsoever arising out of, resulting from or in any way related to the services under this Agreement from any cause or causes, including but not limited to, the negligence, professional errors or omissions, strict liability or breach of contract or any warranty, express or implied, of the Consultant or the Consultant's officers, directors, employees, agents, and subconsultants, shall not exceed twice the total compensation received by the Consultant under this Agreement or

\$50,000, whichever is greater. Higher limits of liability may be negotiated for additional fee. Under no circumstances shall the Consultant be liable to the Client or those claiming by or through the Client for lost profits or consequential damages, for extra costs or other consequences due to changed conditions, or for costs related to the failure of contractors to perform work in accordance with the plans and specifications. This Section 10 is intended solely to limit the remedies available to the Client or those claiming by or through the Client, and nothing in this Section 10 shall require the Client to indemnify the Consultant.

(11) **Certifications.** The Consultant shall not be required to execute certifications or third-party reliance letters that are inaccurate, that relate to facts of which the Consultant does not have actual knowledge, or that would cause the Consultant to violate applicable rules of professional responsibility.

(12) **Dispute Resolution.** All claims by the Client arising out of this Agreement or its breach shall be submitted first to mediation in accordance with the Construction Industry Mediation Rules of the American Arbitration Association as a condition precedent to litigation. Any mediation or civil action by Client must be commenced within one year of the accrual of the cause of action asserted but in no event later than allowed by applicable statutes.

(13) **Hazardous Substances and Conditions.**

(a) Services related to determinations involving hazardous substances or conditions, as defined by federal or state law, are limited to those tasks expressly stated in the scope of services. In any event, Consultant shall not be a

custodian, transporter, handler, arranger, contractor, or remediator with respect to hazardous substances and conditions. Consultant's services will be limited to professional analysis, recommendations, and reporting, including, when agreed to, plans and specifications for isolation, removal, or remediation.

1. The Consultant shall notify the Client of hazardous substances or conditions not contemplated in the scope of services of which the Consultant actually becomes aware. Upon such notice by the Consultant, the Consultant may stop affected portions of its services until the hazardous substance or condition is eliminated. The parties shall decide if Consultant is to proceed with its services and if Consultant is to conduct testing and evaluations, and the parties may enter into further agreements as to the additional scope, fee, and terms for such services.

(14) Construction Phase Services.

(a) If the Consultant's services include the preparation of documents to be used for construction and the Consultant is not retained to make periodic site visits, the Client assumes all responsibility for interpretation of the documents and for construction observation, and the Client waives any claims against the Consultant in any way connected thereto.

(b) If the Consultant provides construction phase services, the Consultant shall have no responsibility for any contractor's means, methods, techniques, equipment choice and usage, sequence, schedule, safety programs, or safety practices, nor shall Consultant have any authority or responsibility to stop or direct the work of any contractor. The Consultant's visits will be for the purpose of endeavoring to provide the Client a greater degree of confidence that the completed work of its contractors will generally conform to the construction documents prepared by the Consultant. Consultant neither guarantees the performance of contractors, nor assumes responsibility for any contractor's failure to perform its work in accordance with the contract documents.

(c) The Consultant is not responsible for any duties assigned to the design professional in the construction contract that are not expressly provided for in this Agreement. The Client agrees that each contract with any contractor shall state that the contractor shall be solely responsible for job site safety and for its means and methods; that the contractor shall indemnify the Client and the Consultant for all claims and liability arising out of job site accidents; and that the Client and the Consultant shall be made additional insureds under the contractor's general liability insurance policy.

(15) No Third-Party Beneficiaries; Assignment and Subcontracting. This Agreement gives no rights or benefits to anyone other than the Client and the Consultant, and all duties and responsibilities undertaken pursuant to this Agreement will be for the sole benefit of the Client and the Consultant. The

Client shall not assign or transfer any rights under or interest in this Agreement, or any claim arising out of the performance of services by Consultant, without the written consent of the Consultant. The Consultant reserves the right to augment its staff with subconsultants as it deems appropriate due to project logistics, schedules, or market conditions. If the Consultant exercises this right, the Consultant will maintain the agreed-upon billing rates for services identified in the contract, regardless of whether the services are provided by in-house employees, contract employees, or independent subconsultants.

(16) Confidentiality. The Client consents to the use and dissemination by the Consultant of photographs of the project and to the use by the Consultant of facts, data and information obtained by the Consultant in the performance of its services. If, however, any facts, data or information are specifically identified in writing by the Client as confidential, the Consultant shall use reasonable care to maintain the confidentiality of that material.

(17) Miscellaneous Provisions. This Agreement is to be governed by the law of the State of Florida. This Agreement contains the entire and fully integrated agreement between the parties and supersedes all prior and contemporaneous negotiations, representations, agreements or understandings, whether written or oral. Except as provided in Section 1, this Agreement can be supplemented or amended only by a written document executed by both parties. Provided, however, that any conflicting or additional terms on any purchase order issued by the Client shall be void and are hereby expressly rejected by the Consultant. Any provision in this Agreement that is unenforceable shall be ineffective to the extent of such unenforceability without invalidating the remaining provisions. The non-enforcement of any provision by either party shall not constitute a waiver of that provision nor shall it affect the enforceability of that provision or of the remainder of this Agreement.

Attachment A-5

January 29, 2025

Mr. Victor Godlewski, PE
Senior Project Manager | Vice President
Carollo Engineers
200 E. Robinson Street, Suite 1400
Orlando, FL 32801
vgodlewski@carollo.com

**RE: Professional Services Proposal
ERUSA WPF & WWTF
CivilSurv File: P25-01-05**

Mr. Godlewski:

CivilSurv Design Group, Inc. (CivilSurv) is pleased to submit this proposal to Carollo Engineers, Inc. (Carollo) for Professional Services associated with the ERUSA WPF and WWTF project (Project). This proposal provides an overview of the services to be provided by CivilSurv.

A. Project Background and Description

Polk County Utilities (PCU) serves water and wastewater customers in its East Region Utility Service Area (ERUSA) which is generally located north and west of Lake Pierce and south of the Poinciana area. The Poinciana area, which is adjacent to the ERUSA, has experienced substantial growth in recent years. The Polk County Board of County Commissioners anticipate that growth will continue into the ERUSA and has instructed PCU to plan for such growth. PCU recently completed a Master Plan update for the ERUSA, which recommended the construction of a new regional water production facility (WPF) and wastewater treatment facility (WWTF). Potential sites for the new WPF and WWTF are currently being evaluated by PCU. Up to 3 potential sites are anticipated to be advanced to the due diligence review stage.

Carollo has been selected by PCU through RFP 24-551 to complete the Project. Carollo has requested that CivilSurv provide engineering services in support of the Project. For the initial task, CivilSurv's support services will be limited to those related to site civil, stormwater management, and environmental resource permitting.

B. Scope of Services

Upon authorization to proceed from Carollo, CivilSurv will provide the following identified services. CivilSurv shall ensure that all design, bid, and construction documents produced by



CivilSurv will be consistent with the Polk County Utilities Standards and Specifications Manual, latest edition, and other specified PCU requirements.

Phase 100 – Project Management

Task 101 – Project Management

This task consists of overall management of the Project including contract administration, budget management, invoicing, monthly status reports, scheduling, and coordination with Carollo.

Task 102 – Kick-off Meeting and Review Meetings

CivilSurv will attend one kickoff meeting with Carollo and PCU. A meeting agenda and meeting minutes will be prepared by others. Additionally, a meeting with Carollo and PCU is anticipated to discuss the results of the preliminary engineering report.

Phase 200 – Support Services – NOT INCLUDED

Phase 300 – Preliminary Design

Task 301 – Data Collection / Site Visits

CivilSurv will perform a desktop review of up to 3 Project sites to be identified by PCU. The desktop review will include the collection and review available data related to the Project, such as parcel data, topographic data, land use data, zoning data, national wetlands inventory data, soils data, FEMA floodplain data, aerial image data, drainage basin characteristics, water management district boundary, and environmental resource permit data. In addition to the desktop review, CivilSurv will conduct a site visit at each of the 3 sites to review existing site conditions and gather general information related to stormwater and drainage conditions.

CivilSurv will prepare a technical memorandum for each site to summarize the data collection effort and site observations. The technical memorandums will include a conclusion that summarizes site constraints and the estimated acreage to be allocated for stormwater management ponds. The stormwater management pond acreage estimate will be a conceptual level approximation based on the available information. The pond acreage estimate will be subject to change, pending the design phase to be performed under a separate authorization.

This task consists of the preparation of up to 3 technical memorandums. One (1) electronic copy in Portable Document Format of the technical memorandums shall be submitted to Carollo.

Phase 400 – Final Design Documents – NOT INCLUDED

Phase 500 – Permitting Services – NOT INCLUDED

Phase 600 – Bid Phase Services – NOT INCLUDED

Phase 700 – Construction Administration Services – NOT INCLUDED

Phase 800 – Resident Project Representative Services – NOT INCLUDED

C. Deliverables

CivilSurv shall prepare and submit to Carollo, including electronic format when applicable, the following deliverables:

| Task | Activity | Deliverable |
|------|-------------------------------|---|
| 301 | Data Collection / Site Visits | One (1) electronic copy (Portable Document Format) of up to 3 technical memorandums |

D. Schedule

CivilSurv will proceed with the services identified herein immediately upon receipt of a purchase order. CivilSurv will coordinate with Carollo to follow a mutually agreeable Project schedule.

E. Compensation

This proposal establishes a not-to-exceed cost of \$23,430. Compensation for the services performed under this proposal shall be on an hourly, not-to-exceed basis using the attached hourly rate schedule. Other direct costs or expenses incurred in connection with this proposal will not be invoiced as these expenses have been accounted for in the rate multiplier associated with the hourly rate schedule. A summary of the estimated labor costs is provided in Attachment A-1 for reference only. Each invoice submittal shall include a tabular summary of the originally estimated labor costs by phase in accordance with Attachment A-1, fees invoiced to date, and the balance remaining per phase. The transfer of funds between defined phases is not permitted unless approved in advance in writing by Carollo. To request consideration for such a transfer, CivilSurv must submit satisfactory written justification to transfer unused funds from phases with completed tasks or tasks clearly tracking under budget to phases with tasks requiring additional funding. In addition, the transfer of funds shall not exceed the total authorized fee for the Project.

Invoices for not-to-exceed projects shall be accompanied by time and task records for all billable hours appearing on the invoice. Additional documentation may be requested by Carollo and, if so requested, shall be furnished by CivilSurv. In addition, all invoices shall be submitted with the purchase order number on the invoice.

F. Carollo's Responsibilities

Carollo will provide the following information to CivilSurv and / or perform the following services related to the Project:

- Site Specific Topographic Survey Data, Geotechnical Data, and Ecological Data
- Coordinate / Provide Access to the Project site(s)

G. Services Not Included

The following services are not included in the Scope of Services for the Project:

- Topographic Survey
- Subsurface Utility Engineering
- Wetland Assessment / Delineation Services
- Threatened and Endangered Species
- Geotechnical Engineering
- Structural Engineering
- Engineering Design
- Permitting
- Construction Administration Services
- Resident Project Representative Services

H. Assumptions

The Scope of Services and compensation arrangement outlined in this proposal are based on the following assumptions:

- The WPF and WWTF are to be located on the same property.
- Evaluation of offsite improvement or routes to connect the potential sites to the existing utility systems is not included.
- The conceptual configuration of the WTP and WWTF components will be prepared by others.
- The sites could potentially include facilities for other County Divisions. The sites are anticipated to be evaluated strictly for the purpose of accommodating PCU requirements. Further evaluation of the sites to determine suitability for other County Division facilities will be performed, if needed, under a separate authorization.

CLOSING

This proposal is valid for a period of 60 days. We appreciate this opportunity to work with Carollo Engineers. If you have any questions, please do not hesitate to contact us at 863-646-4771.

Respectfully submitted,

CIVILSURV DESIGN GROUP, INC.



Mark J. Frederick, PE, CFM, ENV SP, PMP
Vice President of Civil Engineering

Attachments:

- A-1 Budget Estimate
- A-2 Rate Schedule

Attachment A-1

ERUSA WPF & WWTF

| Tasks | Principal | | Director | | Project Mgr. | | Sr. Associate | | Associate 2 | | Associate 1 | | Administrative Assistant | | CSDG Labor | Reimbursable Expenses | Total |
|---|----------------|-------------|----------------|--------------|----------------|------|----------------|------|----------------|--------------|---------------|------|--------------------------|-----------|--------------|-----------------------|--------------|
| | \$250 per hour | | \$230 per hour | | \$160 per hour | | \$150 per hour | | \$130 per hour | | \$90 per hour | | \$125 per hour | | | | |
| | Hrs. | Cost | Hrs. | Cost | Hrs. | Cost | Hrs. | Cost | Hrs. | Cost | Hrs. | Cost | Hrs. | Cost | | | |
| PHASE 100 - PROJECT MANAGEMENT | | | | | | | | | | | | | | | | | |
| Task 101 - Project Management | 0 | \$ - | 2 | \$ 460.00 | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 2 | \$ 250.00 | \$ 710.00 | \$ - | \$ 710.00 |
| Task 102 - Kick-off Meeting and Review Meetings | 2 | \$ 500.00 | 6 | \$ 1,380.00 | 0 | \$ - | 0 | \$ - | 6 | \$ 780.00 | 0 | \$ - | 0 | \$ - | \$ 2,660.00 | \$ - | \$ 2,660.00 |
| Total Phase 100 | 2 | \$ 500.00 | 8 | \$ 1,840.00 | 0 | \$ - | 0 | \$ - | 6 | \$ 780.00 | 0 | \$ - | 2 | \$ 250.00 | \$ 3,370.00 | \$ - | \$ 3,370.00 |
| PHASE 200 - NOT INCLUDED | | | | | | | | | | | | | | | | | |
| Task 201 - Subsurface Utility Engineering | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | \$ - | \$ - | \$ - |
| Task 202 - Land Surveying Services | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | \$ - | \$ - | \$ - |
| Task 203 - Threatened and Endangered Species | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | \$ - | \$ - | \$ - |
| Total Phase 200 | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | \$ - | \$ - | \$ - |
| PHASE 300 - PRELIMINARY DESIGN | | | | | | | | | | | | | | | | | |
| 301.1 - Desktop Review | 1 | \$ 250.00 | 4 | \$ 920.00 | 0 | \$ - | 0 | \$ - | 24 | \$ 3,120.00 | 0 | \$ - | 0 | \$ - | \$ 4,290.00 | \$ - | \$ 4,290.00 |
| 301.2 - Site Visits | 1 | \$ 250.00 | 18 | \$ 4,140.00 | 0 | \$ - | 0 | \$ - | 24 | \$ 3,120.00 | 0 | \$ - | 0 | \$ - | \$ 7,510.00 | \$ - | \$ 7,510.00 |
| 301.3 - Technical Memorandums | 4 | \$ 1,000.00 | 18 | \$ 4,140.00 | 0 | \$ - | 0 | \$ - | 24 | \$ 3,120.00 | 0 | \$ - | 0 | \$ - | \$ 8,260.00 | \$ - | \$ 8,260.00 |
| Total Phase 300 | 6 | \$ 1,500.00 | 40 | \$ 9,200.00 | 0 | \$ - | 0 | \$ - | 72 | \$ 9,360.00 | 0 | \$ - | 0 | \$ - | \$ 20,060.00 | \$ - | \$ 20,060.00 |
| PHASE 400 - NOT INCLUDED | | | | | | | | | | | | | | | | | |
| Total Phase 400 | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | \$ - | \$ - | \$ - |
| PHASE 500 - NOT INCLUDED | | | | | | | | | | | | | | | | | |
| Total Phase 500 | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | \$ - | \$ - | \$ - |
| PHASE 600 - NOT INCLUDED | | | | | | | | | | | | | | | | | |
| Total Phase 600 | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | \$ - | \$ - | \$ - |
| PHASE 700 - NOT INCLUDED | | | | | | | | | | | | | | | | | |
| Total Phase 700 | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | \$ - | \$ - | \$ - |
| PHASE 800 - NOT INCLUDED | | | | | | | | | | | | | | | | | |
| Total Phase 800 | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | 0 | \$ - | \$ - | \$ - | \$ - |
| Total Estimated Cost | 8 | \$ 2,000.00 | 48 | \$ 11,040.00 | 0 | \$ - | 0 | \$ - | 78 | \$ 10,140.00 | 0 | \$ - | 2 | \$ 250.00 | \$ 23,430.00 | \$ - | \$ 23,430.00 |

Labor Multiplier Calculation

CivilSurv Design Group, Inc. – FDOT FAR Audited Rates

| | |
|---------------------------------|--------------------|
| Actual Payroll | 1.00 |
| Facilities Costs and Capital | 0.12 |
| Reimbursable Expenses | 0.05 – Polk County |
| <u>Actual General Overhead</u> | <u>1.34</u> |
| Actual Sub-Total | 2.51 |
| <u>Profit (@15%)</u> | <u>0.38</u> |
| Reduced Polk County Rate | 2.89 |



Schedule of Professional Rates

| Job Classification | Range of Hourly Billing Rates | | Range of Direct Labor Rates | |
|-----------------------------|-------------------------------|----------|-----------------------------|----------|
| | Minimum | Maximum | Minimum | Maximum |
| Administrative Assistant | \$57.80 | \$144.50 | \$20.00 | \$50.00 |
| Associate 1 | \$46.24 | \$92.48 | \$16.00 | \$32.00 |
| Associate 2 | \$72.25 | \$144.50 | \$25.00 | \$50.00 |
| Associate 3 | \$101.15 | \$173.40 | \$35.00 | \$60.00 |
| Sr. Associate | \$130.05 | \$202.30 | \$45.00 | \$70.00 |
| Project Manager | \$101.15 | \$231.20 | \$35.00 | \$80.00 |
| Sr. Project Manager | \$130.05 | \$260.10 | \$45.00 | \$90.00 |
| Director | \$173.40 | \$289.00 | \$60.00 | \$100.00 |
| Principal | \$216.75 | \$350.00 | \$75.00 | \$140.00 |
| Survey Crew | \$115.60 | \$346.80 | \$40.00 | \$120.00 |
| Specialty Survey Crew | \$173.40 | \$375.70 | \$60.00 | \$130.00 |
| SUE Equipment (Direct Rate) | \$50.00 | \$75.00 | \$50.00 | \$75.00 |

The above wages are based on the current ranges of CivilSurv Design Group, Inc. personnel that work in the above various disciplines. The billing rates on our proposed rate with a multiplier of 2.89. *Invoices will show as actual calculations. Values include potential cost increases over term of contract for maximum value.*



**Exhibit “B”, Fee Schedule
Board of County Commissioners of Polk County
East Regional Water Production and Wastewater
Treatment Facilities-Site Evaluations**

**Carollo Engineers, Inc.
Labor Multiplier Calculation**

| | |
|--|-------------|
| Direct Labor | 1.00 |
| Employee Fringe Benefits | 0.57 |
| Overhead/General & Administration | <u>1.24</u> |
| Subtotal | 2.81 |
| Profit (at 6.7%) | 0.19 |
| Other Direct Costs | <u>0.05</u> |
| Total Labor Multiplier Including Profit | 3.05 |

Exhibit "B"
Board of County Commissioners of Polk County
East Regional Water Production and Wastewater
Treatment Facilities-Site Evaluations
Carollo Engineers, Inc.
Rate Schedule

| Personnel Classification | Range of Direct Labor Rates | | Range of Hourly Billing Rates* | |
|-----------------------------|-----------------------------|-----------|-----------------------------------|-----------|
| | | | | |
| Assistant Professional | \$ 31.65 | \$ 50.43 | \$ 96.53 | \$ 153.80 |
| Professional | \$ 50.43 | \$ 59.14 | \$ 153.81 | \$ 180.39 |
| Project Professional | \$ 59.15 | \$ 73.38 | \$ 180.40 | \$ 223.82 |
| Lead Professional | \$ 73.40 | \$ 89.10 | \$ 223.86 | \$ 271.74 |
| Senior Professional | \$ 89.11 | \$ 105.66 | \$ 271.78 | \$ 322.25 |
| Technician | \$ 28.17 | \$ 40.34 | \$ 85.92 | \$ 123.04 |
| Lead Technician | \$ 40.35 | \$ 64.69 | \$ 123.05 | \$ 197.30 |
| Senior Technician | \$ 64.69 | \$ 68.87 | \$ 197.31 | \$ 210.04 |
| Admin/Clerical | \$ 16.00 | \$ 29.91 | \$ 48.80 | \$ 91.22 |
| Document Processing | \$ 29.91 | \$ 44.17 | \$ 91.23 | \$ 134.72 |

* Refer to multiplier calculation attached.

Exhibit "B"
Board of County Commissioners of Polk County
East Regional Water Production and Wastewater
Treatment Facilities-Site Evaluations
Carollo Engineers, Inc.
Personnel Classification

Assistant Professional

BS or MS degree
Typical years of experience: 0-4 years
Engineer In Training certification
Staff level role on projects with strong assistance from Professionals and Project Professionals

Professional

BS or MS degree
Typical years of experience: 2-6 years
Professional Registration for Engineers
Increased responsibility in role on project team and/or lead role on small to medium projects with limited complexity.

Project Professional

BS or MS degree
Typical years of experience: 4-12 years
Professional Registration for Engineers
Project Engineer role with ability to function independently with minimum assistance from supervisors and/or Design/Project Manager on smaller projects with limited complexity.

Lead Professional

BS or MS degree
Typical years of experience: 8-16 years
Professional Registration for Engineers
Management Role during delivery of smaller projects with limited technical complexity.

Senior Professional

BS or MS degree
Typical years of experience: more than 16 years
Professional Registration for Engineers
Management/Senior Management Role during delivery of medium to large projects and/or multiple projects with medium to high technical complexity.

Technician

HS Diploma or equivalent

Typical years of experience: 0-5 years

Provides assistance to engineering and design staff in preparation of contract engineering drawings and related materials.

Lead Technician

AS or AA degree

Typical years of experience: More than 10 years

Proficient in detail design including coordination on drawing production and supervisory and management experience.

Senior Technician

AS or AA degree

Typical years of experience: More than 15 years

Proficient at 3-D modeling and BIM design.

Proficient in advanced detail design including QA/QC functions and management experience.

Admin/Clerical

HS Diploma or equivalent

Basic administrative and clerical duties including producing and formatting documents, proofreading, and using directory structures.

Document Processing

HS Diploma or equivalent

Performs document processing tasks including specifications, design and technical reports, proofreading, training employees on document processing, and maintaining document structures.

Fran McAskill
Director
Procurement Division



330 West Church Street
P.O. Box 9005, Drawer AS05
Bartow, Florida 33831-9005
Phone: (863) 534-6757
Fax: (863) 534-6789
www.polk-county.net

EXHIBIT C

Board of County Commissioners

REIMBURSABLE COST SCHEDULE

- | | |
|--|--|
| 1. Subcontractor Services | Actual Costs |
| 2. Special Consultants | Actual costs |
| 3. Travel Expenses | In accordance with Chapter 112.061, F.S.; and further defined in the Polk County Employee Handbook. |
| 4. Pre-approved Equipment (includes purchase and rental of equipment used in project) | Actual Costs |