

## **MASTER CONSULTING AGREEMENT**

**THIS AGREEMENT** is entered into as of the Effective Date (defined in Section 1.1 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, Black & Veatch Corporation (the “Consultant”) a Delaware corporation, located at 11401 Lamar Avenue, Overland Park, Kansas 66211 and whose Federal Employer Identification Number is 43-1833073.

**WHEREAS**, County owns and operates a variety of public facilities and improvements; and,

**WHEREAS**, County requires certain professional services in connection with the planning, design, permitting, and construction phase engineering services for water, wastewater, and reclaim water facilities and professional services to support regulatory permitting, planning, and compliance for the County’s potable water, wastewater, and reclaim water systems; and

**WHEREAS**, the County has solicited for these services via RFP 23-448, 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 Term**

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

1.2 The term of this Agreement shall be for a five (5) year time period, commencing upon the Effective Date and remaining in full force and effect thereafter, unless otherwise sooner terminated as provided herein.

### **2.0 Services to Be Performed by Consultant**

2.1 Consultant shall perform the services as generally described in (i) the County’s Request for Proposals RFP 23-448, to include all attachments and addenda, and (ii) the Consultant’s responsive proposal thereto (collectively, (i) and (ii) are “RFP 23-448”) all of which are incorporated into

this Agreement by this reference, attached hereto as a composite Exhibit “A” and made a part of this Agreement, and as may be further specifically designated and authorized by the County, in writing (collectively, the “Services”). Such authorization will be referred to as a Consultant Services Authorization (“CSA”) or a Contract Purchase Order (“CPO”) and all provisions of this Agreement apply to the CSA/CPO with full force and effect as if appearing in full within each CSA/CPO. Each CSA/CPO will set forth a specific Scope of Services, maximum limit of compensation, schedule, liquidated damages and completion date, and shall become effective upon the due execution.

2.2 The Consultant is not authorized to undertake any project without a duly executed CSA/CPO, which shall specify the work to be performed and the time to be completed. Consultant recognizes that the County may employ several different consultants to perform the work described and that the Consultant has not been employed as the exclusive agent to perform any such services.

2.3 When the Consultant and the County enter into a CSA/CPO where the term of the CSA/CPO expires on a date that is later than the date that the Master Consulting Agreement (MCA) expires, the Consultant and the County agree that the terms of the MCA and any amendments, attachments or provisions thereof are automatically extended until the expiration (including any extension or amendment thereto) or full completion of the requirements of the CSA/CPO have been performed. Cancellation by the County of any remaining work prior to the full completion of the requirements of the CSA/CPO shall cause the terms of the MCA to terminate at the same time. This provision only applies when the expiration of the CSA/CPO extends beyond the expiration of the MCA. It does not apply when a CSA/CPO expires or is cancelled prior to the expiration of the MCA.

### **3.0 Compensation**

#### **3.1 General**

3.1.1 The County shall pay Consultant in accordance with Exhibit “B”, "Fee Schedule", which is attached hereto and incorporated by reference as part of this Agreement. The fee schedule identifies all job classifications, which will perform billable services pursuant to this Agreement and the fee for each job classification. Performance of work by personnel in job classifications not listed on the fee schedule will result in nonpayment for such services.

3.1.2 Upon the mutual agreement of the parties, the Fee Schedule, as set out in Exhibit "B" may be adjusted by a written Amendment to the Master Consulting Agreement annually beginning one year from the Effective Date of this Agreement. Such amendment must be executed by both parties and shall operate prospectively only and shall not alter fee schedules for CSA's/CPO's in effect at the time of the amendment.

3.1.3 Compensation may be negotiated as a not to exceed price or a lump sum amount on a per-project basis, on each individual CSA/CPO.

3.1.4 In the event a not to exceed price is negotiated, compensation shall be billed and paid based on and in accordance with the Hourly Rate Schedule attached hereto and incorporated herein as Exhibit "B". The Hourly Rate Schedule identifies all job classifications which will perform billable services pursuant to this Agreement and the fee for each job classification. Performance of work by personnel in job classifications not listed on the fee schedule will result in nonpayment for such services.

3.1.5 Invoices must reference the applicable CSA/CPO number, using an invoice form approved by the County Auditor.

3.1.6 Each individual invoice shall be due and payable forty-five (45) days after receipt by the County of correct, fully documented, invoice, in form and substance satisfactory to the County with all appropriate cost substantiations attached. All invoices shall be delivered, as applicable based on the particular project:

Polk County Utilities Division  
P.O. Box 9005, UT01  
Bartow, FL 33830  
Attention: Director

3.1.7 In order for both parties herein to close their books and records, the Consultant will clearly state "Final Invoice" on the Consultant's final/last billing to the County. This certifies that all services have been properly performed and all charges and costs have been invoiced to the County. Since this account will thereupon be closed, any and other further charges if not properly included on this final invoice are waived by the Consultant.

3.1.8 Payment of the final invoice shall not constitute evidence of the County's acceptance of the work

3.1.9 Invoices shall be accompanied by time and task records for all billable hours appearing on the invoice. Additional documents may be requested by County and, if so requested, shall be furnished by Consultant to County Auditor's satisfaction.

3.1.10 By submission of an invoice, the project manager or designated payroll officer is deemed to be attesting to the correctness and accuracy of time charges and requested reimbursements.

3.1.11 Pursuant to Section 3.1.4, if a not to exceed fee is negotiated, invoices shall be accompanied by time and task records for all billable hours appearing on the invoice. Alternatively, if a lump sum amount is negotiated, invoices shall be made upon the completion of each phase of the work in proportion to the Services performed, as specifically set forth in the applicable CSA or CPO. Additional documentation may be requested by the County and, if so requested, shall be furnished by the Consultant to the County Auditor's satisfaction.

### 3.2 Reimbursable

3.2.1 All requests for payment of out-of-pocket expenses eligible for reimbursement per the negotiated CPO or CSA shall be reimbursed in accordance with the County's Reimbursable Schedule, Exhibit "C", and 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 Scope of Work described in this Agreement, CSA, or CPO.

3.2.2 Reimbursable Expenses are the actual, pre-approved, expenses incurred directly in connection with the applicable CSA or CPO, and include:

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 the work for which the asset was utilized. All such assets must be surrendered by delivery to the Polk County Utilities Division offices upon demand, termination of the Agreement, or the conclusion of the project, whichever occurs first.

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

#### **4.0 Insurance**

##### **4.1 General Provisions**

4.1.1 Consultant 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 and provide the County with a Certificate of Insurance and an opportunity to inspect a certified copy of each policy applicable to this Agreement followed thereafter by an annual Certificate of Insurance satisfactory to the County to evidence such coverage before any work commences.

4.1.2 The County shall be named as an additional insured on all Consultant policies related to the project, excluding professional liability and worker's compensation. The Commercial General Liability and Worker's Compensation Liability policies shall contain a waiver of subrogation in favor of Polk County. All insurance coverage shall be written with an insurer having an A.M. Best Rating of a least the "A" category and financial size category of VIII.

4.1.3 The Consultant's self-insured retention or deductible per line of coverage shall not exceed \$1,000,000.00 without the permission of the County.

4.1.4 If there is any failure by the Consultant to comply with the provisions of this section, the County may, at its option, on notice to the Consultant, suspend the work for cause until there is full compliance.

4.1.5 County may, at its sole discretion, purchase such insurance at Consultant's expense provided that the County shall have no obligation to do so and if the County shall do so, it shall not relieve Consultant of its obligation to obtain insurance.

4.1.6 The Consultant shall not be relieved of or excused from the obligation to obtain and maintain such insurance amount and coverages.

4.1.7 All Consultant's subconsultants shall be required to include County and Consultant as additional insured on their General Liability Insurance policies.

4.1.8 In the event that subconsultants used by the Consultant do not have insurance, or do not meet the insurance limits, Consultant shall indemnify and hold harmless the County for any claim in excess of the subconsultants' insurance coverage.

4.1.9 The Consultant shall not commence work under this Agreement until all insurance required as stated herein has been obtained and such insurance has been approved by the County.

4.2 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.

4.3 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:

4.3.1 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.

4.3.2 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)

4.4 Umbrella (Excess) Liability Insurance. Umbrella Liability with limits of not less than \$1,000,000.00, exclusive of defense costs, to be in excess of all other coverages. Such coverage shall be at least as broad as the primary coverages above, with any excess umbrella layers written on a strict following form basis over the primary coverage. All such policies shall be endorsed to provide defense

coverage obligations.

4.5 Professional Liability Insurance. \$2,000,000.00 for design errors and omissions, inclusive of defense costs. The Consultant shall be required to provide continuing Professional Liability Insurance to cover each project for a period of two (2) years after the project is completed. Insurance requirements may vary depending on projects as determined by the County Director of Risk Management and Insurance. The County may require the Consultant to provide a higher level of coverage for a specific project and time frame.

4.6 Performance, Payment and Other Bonds. The Consultant shall furnish Performance and Payment Bonds specific to each project if required and agreed to under the CSA or CPO for the project.

4.7 Worker's Compensation. The Consultant shall provide, pay for, and maintain worker's compensation insurance on all employees, its agents or subcontractors as required by Florida Statutes.

## **5.0 Standard of Care**

5.1 The Consultant has represented to the County that it has the personnel and experience necessary to perform the work in a professional and workmanlike manner.

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

5.3 The Consultant shall, at no additional cost to County, re-perform services which fail to satisfy the foregoing standard of care or otherwise fail to meet the requirement of this Agreement.

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

## **6.0 Indemnification**

6.1 General. Having considered the risks and potential liabilities that may exist during the performance of the Services and in consideration of the promises included herein, County and Consultant agree to allocate such liabilities in accordance with this Section.

## 6.2 Indemnification.

6.2.1 The 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, attorney's 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 the Consultant to comply with applicable laws, rules or regulations, (ii) the breach by the 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 the Consultant, its professional associates, its subcontractors, agents, and employees provided, however, that the 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.

6.2.2 The County review, comment, and observation of the Consultant's work and performance of this Agreement shall in no manner constitute a waiver of the indemnification provisions of this Agreement.

6.2.3 The Consultant agrees that it bears sole legal responsibility for its work and work product, and the work and work product of subconsultants and their employees, and/or for Consultant's performance of this Agreement and its work product(s).

6.3 Survival. Upon completion of all Services, obligations, and duties provided for in this Agreement, or in the event of termination of this Agreement for any reason, the terms and conditions of this Agreement shall survive as if this Agreement were in full force and effect.

## 7.0 Independent Contractor

7.1 The Consultant undertakes performance of the Services as an independent contractor and shall be wholly responsible for the methods of performance.

7.2 The County shall have no right to supervise the methods used, but the County shall have the right to observe such performance.

7.3 The Consultant shall work closely with County in performing Services under this Agreement.

7.4 The Consultant shall not pledge the County's credit or make it a guarantor of payment or surety for any contract, debt, obligation, judgment, lien, or any form of indebtedness and shall have no right to speak for or bind the County in any manner.

7.5 The Consultant further warrants and represents that it has no obligation or indebtedness that would impair its ability to fulfill the terms of this Agreement.

## **8.0 Authority to Practice**

8.1 The Consultant hereby represents and warrants that it has and will continue to maintain all licenses and approvals required to conduct its business, and that it will at all times conduct its business activities in a reputable manner.

## **9.0 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 Contractor 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 CONTRACTOR'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](mailto:RMLO@POLK-COUNTY.NET)**

#### **10.0 Compliance with Laws**

10.1 In performance of the Services, 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.

#### **11.0 Subcontracting**

11.1 The County reserves the right to accept the use of a subcontractor or to reject the selection of a particular subcontractor and to inspect all facilities of any subcontractor.

11.2 If a subcontractor fails to perform or make progress, as required by this Agreement, and it is necessary to replace the subcontractor to complete the work in a timely fashion, the Consultant shall promptly do so, subject to acceptance of the new subcontractor by the County. Failure of a subcontractor to timely or properly perform its obligations shall not relieve the Consultant of its obligations hereunder.

#### **12.0 Federal and State Taxes**

12.1 The County is exempt from Federal Tax and State Sales and Use Taxes. Upon request, the County will provide an exemption certificate to Consultant. The Consultant shall not be

exempted from paying sales tax to its suppliers for materials to fulfill contractual obligations with the County, nor shall the Consultant be authorized to use the County's Tax Exemption Number in securing such materials.

**13.0 Public Entity Crimes**

13.1 The Consultant understands and acknowledges that this Agreement with the County will be voidable by the County, in the event the conditions under Section 287.133, Florida Statutes applies to the Consultant, relating to conviction for a public entity crime.

**14.0 County's Responsibilities**

14.1 The County shall be responsible for providing access to all County project sites, and providing information in the County's possession that may reasonably be required by the Consultant, including; existing reports, studies, financial information, and other required data that are available in the files of the County.

**15.0 Termination of Agreement**

15.1 This Agreement may be terminated by the Consultant upon thirty (30) days prior written notice to the County in the event of substantial failure by the County to perform in accordance with the terms of the Agreement through no fault of the Consultant.

15.2 This Agreement may be terminated by the County with or without cause immediately upon written notice to the Consultant.

15.3 Unless the Consultant is in breach of this Agreement, the Consultant shall be paid for services rendered to the County's satisfaction through the date of termination.

15.4 After receipt of a Termination Notice, as described in this Article 15.0, and except as otherwise directed by the County, the Consultant shall:

15.4.1 Stop work on the date and to the extent specified.

15.4.2 Terminate and settle all orders and subcontracts relating to the performance of the terminated work.

15.4.3 Transfer all work in process, completed work, and other material related to the terminated work to the County.

15.4.4 Continue and complete all parts of the work that have not been terminated.

**16.0 Uncontrollable Forces (Force Majeure)**

16.1 Either party hereunder may be temporarily excused from performance if an Event of Force Majeure directly or indirectly causes its non-performance. 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.

**17.0 Governing Law and Venue**

17.1 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 the

United States District Court, Middle District of Florida located in Hillsborough County, Florida. Each party shall be responsible for its own attorneys' fee and other legal costs and expenses.

**18.0 Non-Discrimination**

18.1 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.

**19.0 Waiver**

19.1 A waiver by either the County or the 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. The making or acceptance of a payment by either party with knowledge of the existence of a default or breach shall not operate or be construed to operate as a waiver of any subsequent default or breach.

**20.0 Severability**

20.1 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 this Agreement.

20.2 Any void provision shall be deemed severed from this Agreement and the balance of this Agreement shall be construed and enforced as if this Agreement did not contain the particular portion or provision held to be void.

20.3 The parties further agree to reform this Agreement to replace any stricken provision with a valid provision that comes as close as possible to the intent of the stricken provision.

20.4 The provisions of this section shall not prevent the entire Agreement from being void should a provision which is of the essence of this Agreement be determined to be void.

**21.0 Entirety of Agreement**

21.1 The County and the Consultant agree that this Agreement sets forth the entire Agreement between the parties, and that there are no promises or understandings other than those stated herein.

21.2 This Agreement supersedes all prior agreements, contracts, proposals, representations, negotiations, letters, or other communications between the County and Consultant pertaining to the Services, whether written or oral.

21.3 None of the provisions, terms and conditions contained in this Agreement may be added to, modified, superseded or otherwise altered except by written instrument executed by the parties hereto.

**22.0 Modification**

22.1 This Agreement may not be modified unless such modifications are evidenced in writing signed by both the County and the Consultant. Such modifications shall be in the form of a written Amendment executed by both parties.

**23.0 Successors and Assigns**

23.1 The County and the Consultant each binds itself and its partners, successors, permitted assigns, and legal representatives to the other party to this Agreement and to the partners, successors, executors, administrators, permitted assigns, and legal representatives of such other party.

23.2 The Consultant shall not assign this Agreement without the express written approval of the County by executed amendment, which approval may be withheld in the County's sole discretion.

23.3 In the event of a merger, the surviving corporation shall be substituted for the contracting party to this Agreement and such substitution shall be affirmed by the County by executed amendment.

**24.0 Contingent Fees**

24.1 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 bona fide employee working solely for the Consultant, any fee, commission, percentage, gift or any other consideration contingent upon or resulting from the award or making of this Agreement.

**25.0 Truth-In-Negotiation Certificate**

25.1 Execution of this Agreement by the Consultant shall act as the execution of a Truth-in-Negotiation certificate certifying that the wage rates and costs used to determine the compensation provided for in this Agreement are accurate, complete, and current as of the Effective Date of this Agreement.

25.2 The said rates and costs shall be adjusted to exclude any significant sums should the County determine that the rates and costs were increased due to inaccurate, incomplete or noncurrent wage rates or due to inaccurate representations of fees paid to outside consultants. The County shall exercise its rights under this “Certificate” within one (1) year following payment.

**26.0 Ownership of Documents**

26.1 The Consultant shall be required to cooperate with other consultants relative to providing information requested in a timely manner and in the specified form. Any and all documents, records, disks, original drawings, or other information shall become the property of the County for its use and/or distribution as may be deemed appropriate by the County. The Consultant is not liable for any damages, injury or costs associated with the County’s use or distribution of these documents for purposes other than those originally intended by the Consultant.

**27.0 Access and Audits**

27.1 The Consultant shall maintain adequate records to justify all charges and costs incurred in performing the work for at least three (3) years after completion of this Agreement. The County shall have access to such books, records, and documents as required in this section for the purpose of inspection or audit during normal business hours at the Consultant’s place of business.

27.2 Misrepresentations of billable time or reimbursable expenses as determined by the Auditor to the Polk County Board of County Commissioners shall result in the recovery of any resulting overpayments. The County’s cost of recovery shall be the sole expense of the Consultant, including accounting and legal fees, court costs and administrative expenses.

27.3 Intentional misrepresentations of billable hours and reimbursable expenses will be criminally prosecuted to the fullest extent of the law.

27.4 All invoices submitted are subject to audit and demand for refund of overpayment up to three (3) years following completion of all services related to this Agreement.

**28.0 Notice**

28.1 Any notice, demand, communication, or request required or permitted hereunder shall be in writing and delivered in person or sent by Federal-Express or by Certified Mail, postage prepaid as follows:

As to County: Polk County Procurement Division  
P.O. Box 9005, AS05  
Bartow, FL 33830  
Attention: Director

As to Consultant: Black & Veatch Corporation  
11401 Lamar Avenue  
Overland Park, KS 66211  
Attn: Amanda Schwerman, PE

28.2 Notices shall be effective when received at the addresses as specified above. Changes in the respective addresses to which such notice is to be directed may be made from time to time by either party by written notice to the other party. Facsimile transmission is acceptable notice effective when received, however, facsimile transmissions received (i.e.; printed) after 5:00 p.m., or on weekends or holidays, will be deemed received on the next business day. The original of the notice must additionally be mailed as required herein.

28.3 Nothing contained in this Article shall be construed to restrict the transmission of routine communications between representatives of Consultant and County.

**29.0 Service of Process**

As to County: County Attorney  
County Administration Building  
330 W. Church Street, 4th Floor  
Bartow, Florida 33830

As to Consultant: Black & Veatch Corporation  
Attn: Amanda Schwerman, PE  
11401 Lamar Avenue  
Overland Park, KS 66211

**30.0 Contract Administration**

30.1 Services of Consultant shall be under the general direction of the Utilities Division Director, or their successor, who shall act as the County's representative during the term of this Agreement.

**31.0 Key Personnel**

31.1 The Consultant shall notify the County in the event of key personnel changes, which might affect this Agreement. To the extent possible, notification shall be made within ten (10) days prior to changes. The Consultant at the County's request shall remove without consequence to the County any subcontractor or employee of the Consultant and replace him/her with another employee having the required skill and experience. The County has the right to reject proposed changes in key personnel. The following personnel shall be considered key personnel:

Name: Amanda Schwerman, PE

Name: Steven King, PE

**32.0 Annual Appropriations**

32.1 The Consultant acknowledges that the County, during any fiscal year, 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. Any agreement, verbal or written, made in violation of this subsection is null and void, and no money may be paid on such agreement. Nothing herein contained shall prevent the making of agreements for a period exceeding one year, but any agreement so made shall be executory only for the value of the services to be rendered or agreed to be paid for in succeeding fiscal years. Accordingly, the County's performance and obligation to pay under this agreement is contingent upon annual appropriation.

**33.0 Liquidated Damages**

33.1 The parties hereto agree that liquidated damages, in the amount specified in the applicable CSA/CPO, will be assessed against the Consultant for the Consultant's failure to meet the final deliverable date in the Performance Schedule in the Scope of Work, but only to the extent and in proportion to the Consultant's fault in causing the delay as compared to other causes, and to the extent the Consultant is not delayed by reasons beyond the Consultant's reasonable control.

**34.0 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.

**35.0 Limitation of Liability.**

**IN NO EVENT, SHALL EITHER PARTY BE LIABLE TO THE OTHER 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 WHETHER BASED IN CONTRACT, COMMON LAW, WARRANTY, TORT, STRICT LIABILITY, CONTRIBUTION, INDEMNITY OR OTHERWISE.**

**36.0 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).

### **37.0 No Construction Against Drafter**

37.1 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.

### **38.0 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 THE PAGE LEFT INTENTIONALLY BLANK)

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

**ATTEST:**

STACY M. BUTTERFIELD

Polk County, a political subdivision  
of the State of Florida

By: \_\_\_\_\_  
Deputy Clerk

By: \_\_\_\_\_, Chairman  
Board of County Commissioners

Date Signed by County: \_\_\_\_\_

Review as to form and legal sufficiency

*Sander B. Hoff* 12/11/23  
County Attorney's Office Date

**ATTEST:**

By: *Justin V. Taylor*  
Corporate Secretary

*Timothy W. Triplett*  
[Print Name]

DATE: *12/6/2023*

SEAL



Black & Veatch Corporation  
a Delaware corporation

By: *Rafael E. Frias III*

Rafael E. Frias III PE  
[Print Name]

Vice President  
[Title]

DATE: *12/6/2023*

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

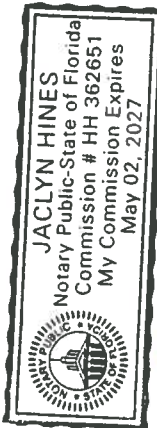
STATE OF Florida County OF Broward

The foregoing instrument was acknowledged before me by means of  physical presence or  online notarization this 12/6/2023 (Date) by Ronald E. Frisco III (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 N/A 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 12/6/2023 (Date).

[Signature]  
(Official Notary Signature and Notary Seal)

Jaclyn Hines  
(Name of Notary typed, printed or stamped)

Commission Number #H362651 Commission Expiration Date May 2, 2027



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 \_\_\_\_\_



[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Search by Entity Name](#) /

## Detail by Entity Name

Foreign Profit Corporation

BLACK & VEATCH CORPORATION

### Filing Information

**Document Number** F98000006965

**FEI/EIN Number** 43-1833073

**Date Filed** 12/22/1998

**State** DE

**Status** ACTIVE

### Principal Address

11401 LAMAR  
OVERLAND PARK, KS 66211

Changed: 04/25/2012

### Mailing Address

11401 LAMAR  
OVERLAND PARK, KS 66211

Changed: 11/01/2001

### Registered Agent Name & Address

C T CORPORATION SYSTEM  
% C T CORPORATION SYSTEM  
1200 SOUTH PINE ISLAND ROAD  
PLANTATION, FL 33324

Name Changed: 10/25/2004

Address Changed: 10/25/2004

### Officer/Director Detail

#### **Name & Address**

Title Director, Secretary

TRIPLETT, TIMOTHY W  
11401 LAMAR  
OVERLAND PARK, KS 66211

Title CFO

Williams, Michael  
11401 LAMAR  
OVERLAND PARK, KS 66211

Title Senior Vice President

HOFFMAN, ANGELA L  
11401 LAMAR  
OVERLAND PARK, KS 66211

Title Senior Vice President

REUSS, BRENT M  
8520 CLIFF CAMERON DR., STE 350  
CHARLOTTE, NC 28269

Title CEO

Azar, Mario  
11401 LAMAR  
OVERLAND PARK, KS 66211

Title Associate Vice President

Hinkle, Kevin  
11401 LAMAR  
OVERLAND PARK, KS 66211

Title VP

Frias, Rafael  
3111 North University Dr.  
Suite 310  
Coral Springs, FL 33065

#### **Annual Reports**

<b>Report Year</b>	<b>Filed Date</b>
2021	04/14/2021
2022	04/19/2022
2023	03/06/2023

#### **Document Images**

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<a href="#">05/12/1999 -- ANNUAL REPORT</a>	View image in PDF format
<a href="#">12/22/1998 -- Foreign Profit</a>	View image in PDF format

## 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 services for design, permitting and construction phase engineering services for water, wastewater and reclaim water facilities as well as regulatory support services for Polk County Utilities Division 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:** 23-448, Utilities Design Services & Regulatory Support Services

**Description:** Provide professional services for design, permitting and construction phase engineering services for water, wastewater and reclaim water facilities as well as regulatory support services for Polk County Utilities Division

**Receiving Period:** Prior to 2:00 p.m., Wednesday, July 19, 2023

**Bid Opening:** Wednesday, July 19, 2023, 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 **Tuesday, June 20, 2023, 2:00 p.m.** at the Utilities Administration Building, Room 63, 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.

Questions regarding this RFP must be in writing and must be sent to Ari Goldstein Senior Procurement Analyst, via email at [arigoldsteint@polk-county.net](mailto:arigoldsteint@polk-county.net) or via fax at (863) 534-6789. All questions must be received by, Friday, July 7, 2023, 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 Polk County Procurement Division as soon as possible. It is the vendor's responsibility to verify if addenda have been issued.

**RFP Number:** 23-448

**RFP Title:** Utilities Design Services & Regulatory Support Services

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

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](mailto: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 six (6) copies marked COPY of the proposal in a sealed parcel to the Procurement Division. The parcel should be labeled “RFP #23-448, Utilities Design Services & Regulatory Support Services” 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.

<b>Sealed Proposal. DO NOT OPEN</b>	
<b>RFP Number</b>	23-448
<b>RFP Title</b>	Utilities Design Services & Regulatory Support Services
<b>Due Date/Time:</b>	July 19, 2023, prior to 2:00 pm
<b>Submitted by:</b>	
<b>Deliver To:</b>	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](mailto: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 23-448 Tab 1”

“RFP 23-448 Tab 2”

“RFP 23-448 Tab 3”

“RFP 23-448 Tab 4”

“RFP 23-448 Tab 5”

“RFP 23-448 Tab 6”

“RFP 23-448 Tab 7”

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](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](mailto: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 nonresponsive.

**POLK COUNTY**  
**Procurement Division**  
**Fran McAskill**  
**Procurement Director**  
**REQUEST FOR PROPOSAL 23-448**  
**Utilities Design Services & Regulatory Support Services**

Sealed proposals will be received in the Procurement Division, **Wednesday, July 19, 2023, prior to 2:00 p.m.**

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 at <https://www.polk-county.net/procurement/bids>. 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](mailto:arigoldstein@polk-county.net) or via fax at (863) 534-6789. All questions must be received by Friday, July 7, 2023, 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 services for design, permitting, and construction phase engineering services for water, wastewater and reclaim water facilities as well as regulatory support services for Polk County Utilities Division (PCU), and as further defined in the Scope of Services below. Other County Divisions may also use these services.

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 Master Consulting Agreement with one (1) or more firm(s).

The County will negotiate fee schedules in accordance with the County's Procurement Procedures, with the goal of establishing standardized rates 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.

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

The Successful Proposer must register in our new Vendor Database if you have not already done so prior to award of this RFP. A purchase order cannot be issued to a vendor until they have registered. You may register by going to the following link: <https://www.polk-county.net/procurement/vendor-registration>. Registered vendors will receive a User ID and Password to access their company information. All registered vendors must provide their owner gender, owner ethnicity, corporate status, and a minimum of one (1) commodity code to be considered registered. It is the responsibility of all vendors to update their vendor information. Only registered vendors will receive notifications of future RFP's.

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

## SCOPE OF SERVICES

The scope of services shall include, but not be limited, to design, permitting and construction phase engineering services for water, wastewater, and reclaim water facilities within Polk County, Florida. Additionally, the County requires professional services for environmental permitting, planning and compliance. Work will be done in conjunction with the Utilities' Community Investment Program (CIP), which includes Expansion and Renewal and Replacement. In addition, the work may be performed for other Utility Sections including Environmental Permitting, Operations and Maintenance, and Customer Service. Successful Proposers must follow the Polk County Utilities Code while performing these services for the Utilities Division.

Additionally, this RFP is for professional engineering services and regulatory support services in conjunction with water, wastewater and reclaim water systems. Types of services include but are not necessarily limited to design of water, wastewater and reclaim plants/facilities; pipeline design; construction observation; utility relocation; GIS support; utility infrastructure security measures; hydraulic and water quality modeling; permitting of new or existing water, wastewater, and reclaim water facilities for construction and operation; assistance with information requests by regulatory agencies; water, wastewater and groundwater monitoring; well field sampling; hydrogeologic and surface water modeling; evaluation of technical and water quality data as required by federal, state and/or local regulations; preparation of appropriate documents, reports or maps as related to design, permitting and regulatory information requests; land surveying and geotechnical services; well construction and abandonment-related engineering services; well head protection, water quality and environmental assessments; technical assistance for preparation of public information; water conservation education; feasibility studies for developing, improving and maintaining water, wastewater or reclaim water systems; implementation of compliance projects or preparation of reports; utility system master planning; information systems development & implementation; review of water, wastewater, and reclaim development submissions for system capacity and hydraulic compatibility with master plans; and other utility-related professional engineering and consulting services.

Proposers must have in-house, multi-disciplinary capabilities in at least ten (10) of these fields, but more capabilities identified will enhance the scores:

- Civil engineering
- Utility master planning and hydraulic modeling
- Water quality master plans and water conservation plans
- Water quality engineering, modeling, and evaluation
- Wastewater engineering, treatment, and evaluation
- Biosolids management design and operation
- Regulatory compliance and permitting for water and wastewater facilities
- Utility environmental affairs

- Land surveying
- Hydrology and surface water modeling
- Hydrogeologic modeling and evaluation of water quality data
- Well construction and abandonment
- Well head protection, water quality and environmental assessments
- Feasibility studies for developing, improving and maintaining water, wastewater and reclaim water systems
- Geotechnical engineering
- Utility acquisition and evaluation
- Right-of-way and easement acquisition services
- Structural engineering as related to water, wastewater and reclaim water facilities
- Electrical engineering as related to water, wastewater and reclaim water facilities
- Mechanical engineering related to water, wastewater and reclaim water facilities
- Constructability plan review/value engineering
- Instrumentation and controls engineering and programming for SCADA systems
- Construction administration and construction observation-related engineering services for water, wastewater, and reclaim water facilities
- Water, wastewater, and reclaim water facilities operational experience
- Public involvement services, including technical assistance for preparation of public information brochures
- Water conservation education and/or enforcement
- Subsurface utility engineering and locating
- Architectural services
- GIS Analysis, SDE Management and GIS database maintenance and support capabilities
- CADD design capabilities
- Database & Information system development related to utility systems and management
- Energy audits
- Green Engineering Practices

The County shall request the services on an as-needed basis. There is no guarantee that any or all the services described in this RFP will be assigned during the term of the agreement. Further, the Consultant is providing these services on a nonexclusive basis. The County, at its option, may elect to have any of the services set forth herein performed by other consultants or County staff.

## **AGREEMENT**

The Master Consulting Agreement will be for five (5) years unless otherwise terminated in accordance with the master consulting agreement.

## **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

### **Tab 2 Approach to the Project (35 points)**

(Maximum of four (4) pages)

- a) Describe in detail the components of how your firm proposes to manage assigned project(s), based upon the scope of services. Please identify the services your firm provides which make you qualified to perform the required services.
- b) Describe how the firm plans to maintain the project team and manage the project team members' time in order to ensure sufficient time to complete a project.
- c) Describe the firm's Quality Assurance and Quality Control program as it pertains to engineering services.

### **Tab 3 Experience, Expertise, Personnel and Technical Resources (40 points)**

- Identify a minimum of five (5) and a maximum of eight (8) projects in which the proposer her performed within the past five (5) years as the prime proposer which best illustrate the experience of the firm and current staff as related to the desired services. At least three (3) of the projects identified should be projects performed for public entities. (Maximum of one (1) page only 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, if completed provide the actual completion date;
  - e) The nature of the firm's responsibility on the project;
  - f) List of change orders, including dollar amount, which were the result of unforeseen circumstances or design errors/oversights; and
  - g) List of any time extensions created by item f above.
- Provide an organizational chart of the team highlighting the key individuals who will work on this contract.
  - Provide brief resumes of the firm's key personnel to be assigned to the master service agreement 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?
  - Identify any sub-consultants that may be involved throughout the duration of the agreement. For each sub consultant identified please provide:
    - 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' or sub-consultant's 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.
- 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 Interactions 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 Utilities Division or other Division 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 SWFWMD, FDEP, and the Polk County Health Department, if applicable. (Limit response to one (1) page)

**Tab 7 Surveys of Past Performance (10 Points)**

- Provide reference surveys from past clients for the projects identified under Tab 3.
- Completed surveys. (See Exhibit 1) Procurement will take the average of all 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 may 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 7)-10 points

Subtotal Points-20 points

by the process stated under each corresponding Tab description as set forth on Pages 9-13.

- Each Selection Committee member shall score each Proposal on the following evaluation criteria:
  - Approach to the Project (Tab 2)-35 points
  - Experience, Expertise, Personnel and Technical Resources (Tab 3)-40 points
  - Interaction w/ County & Regulatory Agencies (Tab 6)-5 pointsSubtotal Points-80 points

Total Points – 100 points

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.

- 2) 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.
- 3) A Selection Committee member's total score for each Proposal shall equal the sum of the total points allocated for each evaluation criteria.
- 4) 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.
- 5) 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.

- 6) 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 must 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 must 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 are 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 authorize staff to enter into Contract Negotiations with all Proposers elevated to Proposer Interviews, starting with the highest-ranked Proposer(s). After Board approval to authorize staff to negotiate a contract, said Proposer(s) will then be elevated to Elevation Level 4 for contract negotiations.

#### **Elevation Level 4 (Contract Negotiations)**

If a Proposer is elevated to this level, the User 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(s). Procurement shall notify the Selection Committee that contract negotiations with the elevated Proposer(s) 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(s) are successfully completed pursuant to Elevation Level 4, the Selection Committee shall recommend to the Board of County Commissioners that it selects such Proposer(s) 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(s).

## **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. \$2,000,000 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 <https://www.polk-county.net/procurement-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**

A contract in substantially the same form as attached here to as Attachment "A" (Master Consulting Agreement) will be executed between the County and the successful Proposer(s).

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 one hundred and twenty (120) 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, or must provide within thirty (30) days from the Proposal due date.

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 downloaded from the County's website at <https://www.polk-county.net/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 Contractor 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](mailto: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 Contractor submitting a proposal package. This is accomplished by sending survey forms to past customers. The customers should return the forms directly to the Contractor. The Contractor is to include all surveys in their proposal package.

### **Sending the Survey**

The surveys shall be sent to all clients for whom the Contractor 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 Contractor shall complete the following information for each customer that a survey will be sent

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 (Professional Engineering Services for Hillsborough County Fire Station), Etc.
COST OF SERVICES	Cost of services (\$3,000,000)
DATE COMPLETE	Date when the services were completed. (i.e. 5/31/2020)

2. The Contractor 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 Contractor 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 Contractor should enter the past clients' contact information, and project information on each survey form for each reference. The Contractor should also enter their name as the Contractor being surveyed.
3. The Contractor is responsible for ensuring all references/surveys are included in their submittal under Tab 7
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 23-448, Utilities Design Services & Regulatory Services

To: \_\_\_\_\_ (Name of Person completing survey)

\_\_\_\_\_ (Name of Client Company/Contractor)

Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

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

SOLICITATION NO.: RFP 23-448, UTILITIES DESIGN SERVICES & REGULATORY SERVICES

POLK COUNTY WILL NOT INTENTIONALLY AWARD COUNTY CONTRACTS TO ANY CONTRACTOR 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 CONTRACTOR 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.

BIDDER 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)

RFP 23-448, UTILITIES DESIGN SERVICES & REGULATORY SERVICES

The undersigned, as an authorized officer of the Consultant 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 \_\_\_\_\_, 2023.

**ATTEST:**

**CONSULTANT:**

By: \_\_\_\_\_  
PRINTED NAME: \_\_\_\_\_  
Its: \_\_\_\_\_

By: \_\_\_\_\_  
PRINTED NAME: \_\_\_\_\_  
Its: \_\_\_\_\_

June 27, 2023

**POLK COUNTY, A POLITICAL SUBDIVISION OF  
THE STATE OF FLORIDA  
ADDENDUM # 1  
RFP 23-448, Utilities Design Services and Regulatory Services**

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 Bid Document and acknowledgment of its receipt shall be noted on the Addendum.

Contained within this addendum: Questions Received and Answers.

Ari Goldstein, CPP

*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 23-448, Utilities Design Services and Regulatory Services

## ADDENDUM # 1

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### QUESTIONS AND ANSWERS

Question 1: Can you please provide the sign-in sheets from the pre-proposal meeting held on June 20, 2023?

**Answer 1: The Pre-Proposal Meeting Attendance list was posted on our website and can be found here: <https://www.polk-county.net/procurement/bids/bid-details/utilities-design-services-regulatory-support-services>.**

Question 2: Who are the firms that are currently under contract with the County for these services?

**Answer 2: Black & Veatch, Carollo Engineers, CHA Consulting, CivilSurv Design Group, Dewberry Engineers, Hazen & Sawyer, Jones Edmunds & Associates, Pennoni Associates, Tetra Tech, Wood Environmental & Infrastructure Solutions, Wright-Pierce, and WSP USA.**

Question 3: We have recently responded to a few Polk County proposals. Would the County consider allowing us to use Survey Questionnaires from previous submissions?

**Answer 3: Yes, so long as the questions are the same on both surveys and refer to projects that are referenced under Tab 3, Experience, Expertise, Personnel and Technical Resources.**

Question 4: Which Tab number would the County like us to include the proposal forms (Proposer's Incorporation Information, Affidavit Certification Immigration Laws, Employment Eligibility Verification)?

**Answer 4: These documents can be submitted under Tab 1, Introduction, after the items submitted under Tab 1, Items a-e.**

Question 5: On page 7 of the RFP package, it states "Proposers must have in-house, multi-disciplinary capabilities in at least ten (10) of these fields..." Does that include subcontractors that may perform work on behalf of the prime proposers?

**Answer 5: The prime proposers submitting proposals must be able to perform a minimum of 10 of the listed capabilities found on pages 7 and 8 of the RFP package. There may be projects that require a prime proposer use subcontractors to complete a scope of work, but the intent of this solicitation is to award to prime proposers that can perform the multi-disciplinary capabilities listed in the RFP package.**

Question 6: Does the County prefer the proposals be delivered either as a sealed parcel or an electronic submittal?

**Answer 6: The County offers both options and does not have a preferred method of delivery for the proposals.**

Question 7: Have there been issues in the past when proposers tried to submit their proposals electronically?

**Answer 7: The County has extended receiving/due dates one week in the past when there was a temporary issue with the Kiteworks application website on a receiving date. This was an isolated incident only.**

July 3, 2023

**POLK COUNTY, A POLITICAL SUBDIVISION OF  
THE STATE OF FLORIDA  
ADDENDUM # 2  
RFP 23-448, Utilities Design Services and Regulatory Services**

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 Bid Document and acknowledgment of its receipt shall be noted on the Addendum.

Contained within this addendum: Questions Received and Answers.

Correction: The email address listed on page 1 of the RFP package to submit questions to is incorrect. Please email all questions to [arigoldstein@polk-county.net](mailto:arigoldstein@polk-county.net). All questions must be received by 4:00 p.m., Friday, July 7, 2023.

To receive a copy of **Attachment “A”, Sample Master Consulting Agreement**, please go the following FTP site: <https://ftp3.polk-county.net>, 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 23-448 Utilities Design Services and Regulatory Services.zip”**, select “Open” or “Save As” to download the sample agreement. If you need assistance accessing this website due to ADA or any other reason, please email Ari Goldstein at [arigoldstein@polk-county.net](mailto:arigoldstein@polk-county.net).

Ari Goldstein, CPP

*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 23-448, Utilities Design Services and Regulatory Services ADDENDUM # 2**

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### **QUESTIONS AND ANSWERS**

Question 1: Are we allowed to submit project references/reference surveys for Polk County projects?

**Answer 1: Yes.**

Question 2: Will points be awarded in Tab 5 for a subconsultant that is a certified Service-Disabled Veteran-Owned Small Business (SDVOSB)?

**Answer 2: No. Points are awarded only to certified Women and Minority Business Entities under Tab 5.**

Question 3: Can Polk County disclose the selection committee members for this RFP?

**Answer 3: The anticipated selection committee members include Tamara Richardson, James Tully, Krystal Azzarella, Jason Jennings, and Sharon Mathis.**

Question 4: If the intent of the RFP is to select more than one consultant, is it necessary for the County to conduct proposer interviews per the selection process (Elevation Level 3 – Proposer Interview)?

**Answer 4: Yes. Interviews are necessary and shall take place in accordance with Florida Statute 287.055(4)(b).**

Question 5: On page 21, the RFP states, “A contract in substantially the same form as attached here to as Attachment ‘A’ (Master Consulting Agreement) will be executed between the County and the successful Proposer(s).” Where can one find the Attachment “A” that includes the Master Consulting Agreement?

**Answer 5: Attachment “A”, Sample Master Consulting Agreement is available to on the County’s FTP site for download. Refer to page 1 of this addendum for directions on how to download Attachment “A”.**

July 11, 2023

**POLK COUNTY, A POLITICAL SUBDIVISION OF  
THE STATE OF FLORIDA  
ADDENDUM # 3  
RFP 23-448, Utilities Design Services and Regulatory Services**

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 Bid Document and acknowledgment of its receipt shall be noted on the Addendum.

Contained within this addendum: Questions Received and Answers.

Ari Goldstein, CPP

*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:

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## **RFP 23-448, Utilities Design Services and Regulatory Services ADDENDUM # 3**

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### **QUESTIONS AND ANSWERS**

Question 1: Can you please clarify whether items d and e in tab 1 count toward the two-page limit?

**Answer 1: Items d) and e) under Tab 1, Executive Summary, do not count towards the two-page limit. Only items a) – c) count towards to the two-page maximum limit.**

Question 2: How are categories left blank on the performance survey questionnaire handled when averaging the survey scores?

**Answer 2: If questions are not answered on the performance surveys, the questions left blank will not be taken into consideration when calculating the overall score average when awarding points under Tab 7, Surveys of Past Performance.**

Question 3: Can front and back cover as well as dividers be included when submitting electronically via Kiteworks?

**Answer 3: Yes.**

Question 4: The FDOT no longer participates in client surveys and refers consultants to an online grading system (scaled 1 to 5 based on quality, scheduling, and management) that is updated on an annual basis. Would a screenshot of the online evaluation be an acceptable replacement for the required performance survey that accompanies projects write ups?

**Answer 4: No. The Survey Questionnaire on page 29 of the RFP package must be used and submitted by a proposer under Tab 7, Surveys of Past Performances so that each proposal is scored the same using the criteria outlined in the RFP package.**

# Exhibit "A-ii"



ORIGINAL

Polk County

Proposal for

## Utilities Design Services & Regulatory Support Services

July 19, 2023 | RFP 23-448



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# Executive Summary

19 July 2023

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

**RE: 23-448, Utilities Design Services & Regulatory Support Services**

Dear Selection Committee Members,

Polk County (County) has established goals and objectives to achieve its long-term vision in addressing population growth and regulatory requirements. Through our partnership working with the County, the Black & Veatch team thoroughly understands the opportunities and challenges you face. Black & Veatch has assembled a team of dedicated professionals with extensive experience and expertise to successfully execute all water, wastewater, and reclaimed water projects being contemplated by Polk County Utilities Division under this contract. In addition, we have a proven track record in successfully navigating through all regulatory issues and agencies in executing water, wastewater and reclaimed water projects throughout our 65-year history in Florida, with over 80 similar utility engagements, over 100 general service agreements and 10,000 assignments.

Our Black & Veatch team provides the County with comprehensive engineering capabilities and proven experience delivering water, wastewater and reclaimed water projects. **Our experience covers all of the requested in-house, multi-disciplinary capabilities outlined in the RFP Scope of Services, including engineering planning, design, permitting, project controls, construction services as well as modeling, master planning and asset management.** The team will be led by Project Manager Amanda Schwerman, P.E., and supported by a core group of highly qualified key team members. Our project team has proven experience working together on similar continuing professional services contracts supported by our comprehensive pool of Black & Veatch professionals and local subconsultant partners.

In addition to the strong Black & Veatch group of professionals, we have augmented our team with local subconsultants that provide unique skills and professional resources.

- Borrelli + Partners
- Comet Media Group
- ECHO Utility Engineering and Survey
- Madrid CPWG
- Mapping Enterprise LLC
- Patel Greene and Associates, PLLC
- RAYL Engineering and Surveying, LLC



**BLACK & VEATCH**

**CONTACT PERSON:**

Amanda Schwerman, PE  
 Black & Veatch Corporation  
 1715 N. Westshore Blvd.,  
 Suite 725  
 Tampa, FL 33607  
 813-207-7943  
 SchwermanA@bv.com

**Number of Years in Business:**

Founded in 1915, Black & Veatch Corporation has been in business for 108 years.

**Number of Full-Time Employees:**

10,600

**Polk County will be supported by a deep bench of local, strong project execution professionals who are highly qualified, available, and committed to the success of this contract.**

## EXECUTIVE SUMMARY

The widely diverse background and project experience of the Black & Veatch team affords the County many benefits including the following.

- **Exceptional Performance.** The County will receive timely work, performed and presented in a professional manner, exceeding the County's quality expectations.
- **Broad Expertise.** The County will have access to a vast range of capabilities and expertise that will be leveraged to implement technically and financially sound projects that meet schedule constraints. Black & Veatch is one of the most diversely capable engineering firms in the world. We have the experience and professional resources required to provide the full scope of services to meet the needs of the County's potable water, wastewater, reclaimed water, and collection/distribution systems. In addition, our diversity enables our team to approach the County infrastructure projects with a holistic perspective.

Services and expertise offered by our Tampa and Orlando-based professionals include master planning/asset management/condition assessment, hydraulic and process modeling, water operations, geotechnical, dams/reservoirs, stormwater, permitting, civil, mechanical, electrical, instrumentation, resident project representative services, and program management. Our Tampa office has grown by more than 50% in the last five years, offering us the ability to provide response services on the most challenging projects and schedules.

- **Accurate Estimates.** Black & Veatch will leverage our market knowledge and our experience as a Florida-based contractor to benefit the County with constructible design, accurate cost estimates and value engineering support, which will reduce the County's risk and overall costs. At a recently completed project at Manatee County's SEWRF, the Black & Veatch cost estimate (\$4.64M) was 4% above the low bid, and top two contractor bids were separated by less than \$80,000. Black & Veatch's contracting experience provides us with abilities and knowledge that will benefit the County beyond engineering. Last year, Black & Veatch constructed approximately \$2 billion of infrastructure projects under a design-build delivery method. We can also provide the County with guidance and advice on the benefits and risks of various project delivery methods, for different types of projects.

Black & Veatch is committed to our partnership with Polk County, the community, and the region. To ensure we continue to provide the capacity and quality expected from our team, Black & Veatch's Tampa and Orlando offices have grown by more than 50% in the last five years. This affords Polk County access to engineering professionals who can provide highly responsive service even on the most challenging of projects and schedules.

Black & Veatch appreciates your consideration of our professional qualifications and looks forward to continuing our successful relationship with Polk County. Should you have any questions related to this statement of qualifications, do not hesitate to call us at (813) 207-7943. On behalf of the Black & Veatch team, we look forward to working with you once again.

Very truly yours,

BLACK & VEATCH



Amanda Schwerman, PE  
Project Manager



Steven King, PE  
Deputy Project Manager

## INCORPORATION BY THE SECRETARY OF STATE

# *State of Florida*

## *Department of State*

I certify from the records of this office that BLACK & VEATCH CORPORATION is a Delaware corporation authorized to transact business in the State of Florida, qualified on December 22, 1998.


The document number of this corporation is F98000006965.

I further certify that said corporation has paid all fees due this office through December 31, 2023, that its most recent annual report/uniform business report was filed on March 6, 2023, 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 Thirteenth day of April, 2023*



  
*Secretary of State*

Tracking Number: 9677455237CU

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

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

## FIRM'S CERTIFICATION(S) FROM THE STATE OF FLORIDA

### Professional Engineer License

Black & Veatch is licensed to provide professional engineering services in the State of Florida.

Florida House Bill 1193, as passed by the Florida Legislature in the 2020 Regular Session, removes the requirement that a Professional Engineer, Geologist, or Architect obtain a separate business license in addition to the occupational license issued to the individual. There is no longer a license to obtain or renew as a company license. Black & Veatch is listed on the State's current free registry and maintains "active" status.

THE OFFICIAL SITE OF THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION



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**ONLINE SERVICES**

- [Apply for a License](#)
- [Verify a Licensee](#)
- [View Food & Lodging Inspections](#)
- [File a Complaint](#)
- [Continuing Education Course Search](#)
- [View Application Status](#)
- [Find Exam Information](#)
- [Unlicensed Activity Search](#)
- [AB&T Delinquent Invoice & Activity List Search](#)

11:25:15 AM 7/11/2023

**LICENSEE DETAILS**

**Licensee Information**

Name:	BLACK & VEATCH CORPORATION (Primary Name)
Main Address:	11401 LAMAR AVE. OVERLAND PARK Kansas 66211
County:	OUT OF STATE
License Location:	8400 WARD PARKWAY KANSAS CITY MO 64114

**License Information**

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	8132
Status:	Current
Licensure Date:	02/19/1999
Expires:	

**Special Qualifications**

Special Qualifications	Qualification Effective
------------------------	-------------------------

**Alternate Names**

Alternate Names	
-----------------	--

**Licensee**

Name:	<b>BLACK &amp; VEATCH CORPORATION</b>	License Number:	<b>8132</b>
Rank:	<b>Registry</b>	License Expiration Date:	
Primary Status:	<b>Current</b>	Original License Date:	<b>02/19/1999</b>

**Related License Information**

License Number	Status	Related Party	Relationship Type	Relation Effective Date	Rank	Expiration Date
61912	Current, Active	FRIAS, RAFAEL E III	Registry	02/25/2019	Professional Engineer	02/28/2025

## REQUIRED FORMS

The required forms and supporting information listed below are provided on the following pages:

- Incorporation Information, includes W-9
- Affidavit Certification Immigration Laws
- Employment Eligibility Verification
- Addendum #1 Acknowledgement
- Addendum #2 Acknowledgement
- Addendum #3 Acknowledgement

## Proposers Incorporation Information

(Submittal Page)

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

Company Name: Black & Veatch Corporation

DBA/Fictitious Name (if applicable): Not applicable

TIN #: 43-18333073

Address: 1715 N. Westshore Blvd., Suite 725

City: Tampa

State: Florida

Zip Code: 33607

County: Hillsborough 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: Amanda Schwerman, PE

Phone Number: 813-207-7943

Cell Phone Number: 727-612-6863

Email Address: SchwermanA@bv.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.

# Request for Taxpayer Identification Number and Certification

**Give Form to the  
 requester. Do not  
 send to the IRS.**

▶ Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

Print or type.  
 See Specific Instructions on page 3.

<b>1</b> Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. BLACK & VEATCH CORPORATION	
<b>2</b> Business name/disregarded entity name, if different from above	
<b>3</b> Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only <b>one</b> of the following seven boxes.  <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input checked="" type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate  <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ <b>Note:</b> Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is <b>not</b> disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.  <input type="checkbox"/> Other (see instructions) ▶ _____	<b>4</b> Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):  Exempt payee code (if any) <u>5</u>  Exemption from FATCA reporting code (if any) _____  <small>(Applies to accounts maintained outside the U.S.)</small>
<b>5</b> Address (number, street, and apt. or suite no.) See instructions. 11401 LAMAR AVE.	Requester's name and address (optional)
<b>6</b> City, state, and ZIP code OVERLAND PARK, KS 66211	
<b>7</b> List account number(s) here (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. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

<b>Social security number</b>									
<b>or</b>									
<b>Employer identification number</b>									
4	3	-	1	8	3	3	0	7	3

## Part II Certification

Under penalties of perjury, I certify that:

1. 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
2. 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
3. I am a U.S. citizen or other U.S. person (defined below); and
4. 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 ▶

Date ▶ January 1, 2023

## 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](http://www.irs.gov/FormW9).

### Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
  - Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
  - Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
  - Form 1099-S (proceeds from real estate transactions)
  - Form 1099-K (merchant card and third party network transactions)
  - Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
  - Form 1099-C (canceled debt)
  - Form 1099-A (acquisition or abandonment of secured property)
- Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

*If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.*

# AFFIDAVIT CERTIFICATION IMMIGRATION LAWS

SOLICITATION NO.: RFP 23-448, UTILITIES DESIGN SERVICES & REGULATORY SERVICES

POLK COUNTY WILL NOT INTENTIONALLY AWARD COUNTY CONTRACTS TO ANY CONTRACTOR 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 CONTRACTOR 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.

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

Company Name: Black & Veatch Corporation

Signature: William J. Wells

Title: Vice President

Date: July 10, 2023

State of: SC

County of: Greenville

The foregoing instrument was acknowledged before me by means of  physical presence or  online notarization, this 10<sup>th</sup> day of July, 2023, by William J. Wells (name) as Vice President (title of officer) of Black + Veatch Corporation (entity name), on behalf of the company, who  is personally known to me or  has produced \_\_\_\_\_ as identification.

Notary Public Signature: Cynthia C. Madden

Printed Name of Notary Public: Cynthia C. Madden

Notary Commission Number and Expiration: 01/23/2033

(AFFIX NOTARY SEAL)



**EMPLOYMENT ELIGIBILITY VERIFICATION (E-VERIFY) CERTIFICATION**

(Florida Statutes, Section 448.095)

RFP 23-448, UTILITIES DESIGN SERVICES & REGULATORY SERVICES

The undersigned, as an authorized officer of the Consultant 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 10<sup>th</sup> day of July, 2023.

**ATTEST:**

By: Andrea C. Bernica  
PRINTED NAME: Andrea C. Bernica  
Its: Assistant Secretary  
Black & Veatch Corporation

**CONSULTANT:**

By: William J. Wells  
PRINTED NAME: William J. (Jeff) Wells, PE  
Its: Vice President  
Black & Veatch Corporation



June 27, 2023

**POLK COUNTY, A POLITICAL SUBDIVISION OF  
THE STATE OF FLORIDA  
ADDENDUM # 1  
RFP 23-448, Utilities Design Services and Regulatory Services**

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 Bid Document and acknowledgment of its receipt shall be noted on the Addendum.

Contained within this addendum: Questions Received and Answers.

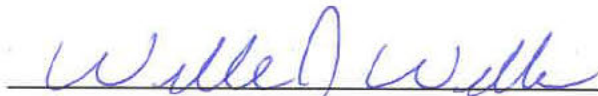
Ari Goldstein, CPP

*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: William J. (Jeff) Wells, PE

Title: Vice President

Company: Black & Veatch Corporation

July 3, 2023

**POLK COUNTY, A POLITICAL SUBDIVISION OF  
THE STATE OF FLORIDA  
ADDENDUM # 2  
RFP 23-448, Utilities Design Services and Regulatory Services**

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 Bid Document and acknowledgment of its receipt shall be noted on the Addendum.

Contained within this addendum: Questions Received and Answers.

Correction: The email address listed on page 1 of the RFP package to submit questions to is incorrect. Please email all questions to [arigoldstein@polk-county.net](mailto:arigoldstein@polk-county.net). All questions must be received by 4:00 p.m., Friday, July 7, 2023.

To receive a copy of **Attachment "A", Sample Master Consulting Agreement**, please go the following FTP site: <https://ftp3.polk-county.net>, you will be prompted for a User ID and Password. The User ID is *procurevondor* and the password is *solicitation*. After you have logged in to the FTP site, double click on the file folder "**RFP 23-448 Utilities Design Services and Regulatory Services.zip**", select "Open" or "Save As" to download the sample agreement. If you need assistance accessing this website due to ADA or any other reason, please email Ari Goldstein at [arigoldstein@polk-county.net](mailto:arigoldstein@polk-county.net).

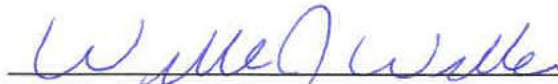
Ari Goldstein, CPP

*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:

William J. (Jeff) Wells, PE

Title:

Vice President

Company:

Black & Veatch Corporation

July 11, 2023

**POLK COUNTY, A POLITICAL SUBDIVISION OF  
THE STATE OF FLORIDA  
ADDENDUM # 3  
RFP 23-448, Utilities Design Services and Regulatory Services**

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 Bid Document and acknowledgment of its receipt shall be noted on the Addendum.

Contained within this addendum: Questions Received and Answers.

Ari Goldstein, CPP

*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: William J. (Jeff) Wells, PE

Title: Vice President

Company: Black & Veatch Corporation

# Approach to the Project

During the past five years, Black & Veatch has worked closely with County staff to thoroughly understand your systems' needs, standard operating procedures (SOPs) and expectations. Our approach includes leveraging our proven core management team and our deep bench of technical professionals to interface with the County to support the diverse projects included in this contract. This approach enables us to be highly responsive, supports schedule and budget efficiency, and provides a consistent team to interface with Polk County staff. Our proven experience in delivering professional services under this and similar contracts, as well as our diverse group of professionals within the region, will result in projects that meet regulatory requirements, offer sustainable solutions, and improve long-term community quality of life.

Black & Veatch has completed more than 10,000 individual projects for more than 80 Florida water utilities under more than 100 continuing services contracts. Through this experience, we have developed a management approach that is highly effective at meeting our clients' needs under such contracts.

## CORNERSTONES OF OUR APPROACH

- Maintain a commitment to responsive client service and deliver projects on time and on budget.
- Lead and execute projects with local management and a core group of consistent local team members.
- Leverage the firm's diverse capabilities and expertise to meet any challenge for the County.
- Deliver innovative, cost saving solutions.
- Provide close collaboration and communication with County staff and incorporate input from all project stakeholders.



*[Black & Veatch] has capably met our needs on a tight, demanding schedule which included work through the holidays. Could not be happier with their level of effort and commitment."*

- KEVIN MORRIS

SCIENCE & TECHNOLOGY OFFICER,  
PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY

The Black & Veatch team consists of dedicated professionals that can effectively execute **all** disciplines outlined in the RFP Scope of Services. **Our core services include:**

- Civil engineering
- Planning & Asset Management
- Utility master planning and hydraulic modeling, including hydrogeology, stormwater hydrology modeling
- Water quality master plans and water conservation plans
- Water quality engineering, modeling, and evaluation
- Wastewater engineering, treatment, and evaluation
- Regulatory compliance and permitting for water and wastewater facilities
- Feasibility studies for developing, improving and maintaining water, wastewater and reclaim water systems
- Database & Information system development related to utility systems and management (CMMS support, GIS, Power BI dashboard and data analytics)
- Water, Wastewater, Reclaimed Water design and pipeline design
- Construction administration and construction observation-related engineering services for water, wastewater, and reclaim water facilities
- Water and Wastewater process: water quality modeling, wastewater treatment process modeling
- Instrumentation and controls (I&C) engineering and programming for SCADA systems
- Electrical, mechanical, and structural engineering as related to water, wastewater and reclaim water facilities

## Project Workflow Model

We will tailor our project management approach to focus on effective collaboration, communication, and the ability to understand your needs. For all projects we will:

- Define the County's goals (budget, schedule, etc.) before scope development.
- Work in collaboration with the County's Project Manager.
- Engage all client resources from the beginning.
- Ensure our deliverables meet the County's expectations.
- Maintain an organized file management system to not re-request data or information already in-hand from other Polk County projects.

Our approach includes leveraging local professionals, who are familiar with your facilities, staff, procedures, and standards, in order to enhance the efficiency of our work and to make sure our services meet your needs.

**Our systematic project execution approach includes identifying project goals up-front before finalizing the scope, which facilitates a delivery that will meet or exceed the established schedule and budget.**



## Personnel Assignments

Black & Veatch has a proven approach to allocating resources, assigning personnel and executing tasks in order to provide the most efficient service on our studies, design and construction projects. This approach includes unique methods for improving project delivery and cost savings over typical expectations, some of which are described below.

**Deliver Services Locally.** Our Project Management team and technical support professionals include local staff in our Tampa and Orlando offices, along with specialists located throughout Florida that we will leverage to best meet the needs of each unique assignment.

**Match Talent-to-Task.** We will assign professionals to projects based on their experience/expertise with the type of facility or project involved. In addition to the local team, we are able to draw from a global pool of professionals that includes a diverse mix of experts across geographies and services.

**Provide Efficiency Through Experience.** Our Project Manager and team members have a long history of executing contracts similar to this master contract. Through our work on the County's current contract, we are familiar with your standards, procedures, and staff, which supports efficient project execution.

**Leverage Vast Resources.** Black & Veatch's vast firm-wide resources can be leveraged to meet aggressive schedule goals when it will benefit the County. We have over 10,000 professionals world-wide and over 940 professionals in Florida.

## MAINTAINING PROJECT TEAM AND TIME MANAGEMENT

We recognize the importance of a cohesive team, not only between the County and Black & Veatch, but also within the Black & Veatch team. We are committed to maintaining the same staff on projects depending on the technical skills required for that project. This will increase efficiencies, decrease the learning curve and provide high-quality deliverables that meet the County’s standards. At a minimum, the County will have both our **Project Manager, Amanda Schwerman**, and Deputy **Project Manager, Steve King**, on all projects to provide continuity.

To ensure that continuity, our Project Manager will use Black & Veatch’s workload planning tools. We manage our project staffing through a resource management platform called Tempus, which is used for forecasting and capacity planning. In Tempus (which is regularly viewed using the Power BI platform), we maintain a database of current and upcoming projects, the

specific professional resources assigned to each, and the time commitment of each professional assigned to each project. We regularly evaluate the data and adjust upcoming assignments to make sure our projects are staffed with project team members who have ample availability to perform the work within expectations.

Our current workload forecast confirms Black & Veatch has more than adequate staff availability to execute the scope of services that would result from this contract, as we have proven to do for you on our various work orders to date. During project schedule development, we also use Microsoft Project as a planning tool for staffing plans to complement the Tempus system, but on a granular task level. Additionally, our Tampa staff meets weekly with the Jacksonville and Orlando staff to discuss work overload, staffing needs, and share assignments so that everyone’s workload is as balanced as possible.

## OUR QUALITY COMMITMENT TO POLK COUNTY

The County will receive high-quality deliverables and responsive service from our team throughout the contract. Our commitment to quality and client responsiveness is a core value that drives all that we do. We will continue this commitment that has been demonstrated on prior projects for the County.

Black & Veatch recognizes that quality is a perpetual improvement process updated through a continuous feedback method to incorporate successful techniques and lessons learned from our project execution practices. We also understand the County’s drivers and the need to deliver successful projects that meet the schedule and budget limitations in the County’s CIP, and we commit to the continued improvement to our delivery approach.

**Black & Veatch understands that quality and schedule control is our job, not the County’s. Our team has processes in place to successfully deliver on both.**



## The County's projects will be managed by leveraging industry-proven project control tools.

The County will receive successful, quality projects as a result of Black & Veatch's complete library of state-of-the-art project control tools. Our project controls approach includes the following:



**SCHEDULE CONTROL** | We will work with the County during the scope development phase of each assignment to establish a schedule that will meet the County's established goals. Schedules may be developed in **Primavera** upon request, but our standard software will be **Microsoft Project**. We will provide the County's project managers with updated project schedules at each project milestone and other times as determined to be beneficial.



**BUDGET CONTROL** | Our project managers have access to an array of tools to facilitate tracking and management of project costs. For example, **EcoSys** is an earned-value management-based system that enables the establishment of control accounts so that expenditures can be tracked and managed by both task and work group. We leverage **Power BI** to pull data from multiple platforms, providing project teams with insightful dashboards presenting vital project status information on which to make management decisions during project execution.



**QUALITY CONTROL** | Black & Veatch employs a strict QA/QC program in alignment with the key principles of **ISO 9000**. QA/QC reviews will be conducted at key milestones, which support schedule and budget success through early identification of developing issues and avoiding rework.



**DOCUMENT CONTROL** | Black & Veatch utilizes the **ProjectWise** document management system, which provides a secure environment for storage, collaboration, and retrieval of project drawings, specifications, reports, and data. This system provides the County with increased cybersecurity, avoids document loss, and supports efficient production. Our teams routinely set up client-facing document sharing facilities using ProjectWise, SharePoint, or **Microsoft Teams**.



**CONSTRUCTION COST CONTROL** | Black & Veatch is a leading contractor in the water and wastewater industry, with half of the firm's project volume from design-build projects. The resulting expertise and available estimating tools (i.e. **Timberline**) and resources enable us to develop accurate construction cost estimates and value engineering reviews. We utilize trend reporting to continually communicate updates on the construction estimate.



**CONSTRUCTABILITY** | Our experience as a contractor also provides the expertise and resources to develop sound designs that can be constructed efficiently from the perspective of both cost and schedule. By thoroughly addressing construction sequencing and maintenance of operations during design, the County will benefit from avoidance of costly change orders and delays during construction.



**SAFETY** | Black & Veatch has an extremely strong safety culture. Prior to any site visits, the team prepares and reviews the project-specific health and safety (H&S) plan to ensure that all participants are aware of the hazards and have proper personal protection equipment (PPE) for the tasks. More robust or higher-risk activities require more in-depth safety planning and internal H&S management approvals. At the beginning of meetings, we open with a "Safety Moment" which has proven that safety is always on our minds.

# Experience, Expertise, Personnel and Technical Resources

Through our successful experience with Polk County's Master Services Agreement and other Florida continuing services contracts, Polk County will receive an effective and organized team who will be able to quickly provide innovative ideas and quality deliverables for an efficient budget.

The Black & Veatch team offers unique depth and breadth of experience working under continuing services contracts to successfully deliver utility engineering professional services for government agencies throughout Florida. We have provided general engineering contract services for the counties, cities, and agencies shown below.

The following pages include our project references that present a sample of our experience on recent, local projects that of relevant size and scope to Polk County's needs under this contract.



*Consultant has shown creativity in working through a very comprehensive and complex process of managing all aspects of water within the Community."*

**- MIKE BRITT**  
 ASSISTANT DIRECTOR OF  
 UTILITY SERVICES  
 CITY OF WINTER HAVEN, FL

## Black & Veatch Office Locations

### Florida Clients

#### CITIES

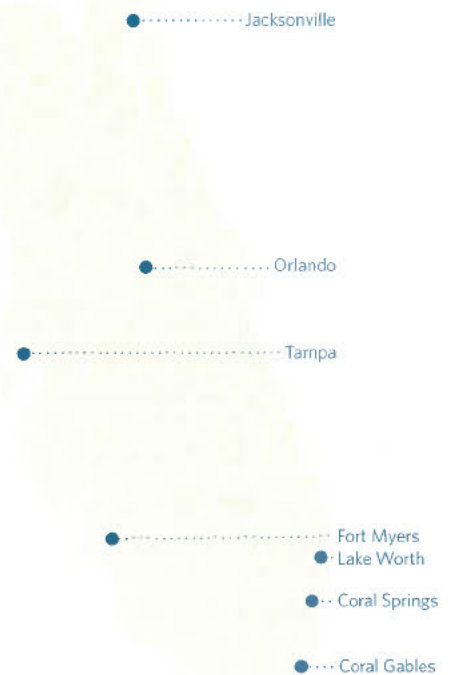
- Boca Raton
- Cape Coral
- Clearwater
- Daytona Beach
- Deerfield Beach
- Delray Beach
- Fort Lauderdale
- Fort Myers
- Hollywood
- Homestead
- Jacksonville Beach
- Key Biscayne
- Key West
- Lakeland
- Lauderdale
- Madison
- Marco Island
- Miami
- Miami Beach
- New Smyrna Beach
- North Bay Village
- North Miami
- North Miami Beach
- North Port
- Orlando
- Plant City
- Ocala
- St. Cloud
- St. Petersburg
- Tallahassee
- Tampa
- Venice
- Vero Beach
- Winter Haven

#### AGENCIES

- Bonita Springs Utilities
- Cypress Energy
- Emerald Coast Utilities
- Florida Keys Aqueduct Authority
- Florida Municipal Power Agency
- Florida Power & Light
- Fort Pierce Utilities Authority
- Gainesville Regional Utilities
- Gulf Power Company
- Heartland Water Alliance
- JEA (Jacksonville)
- Keys Energy
- Kissimmee Utility Authority
- Lee County Electric Cooperative
- Miami-Dade Water & Sewer
- Northwest WMD
- Orlando Utilities Commission
- Peace River Authority
- Progress Energy
- Reedy Creek Energy Services
- Seacoast Utility Authority
- Palm Beach Gardens
- Seminole Electric
- Seminole Tribe of Florida
- South Florida WMD
- Southwest Florida WMD
- St. Johns River WMD
- Suwannee River WMD
- Suntory Water Group
- Tampa Bay Water
- Tampa Electric Company
- TOHO Water Authority

#### COUNTIES

- Broward
- Brevard
- Collier
- DeSoto
- Flagler
- Hardee
- Hernando
- Highlands
- Hillsborough
- Lee
- Manatee
- Miami-Dade
- Orange
- Palm Beach
- Pasco
- Pinellas
- Polk
- Sarasota
- Seminole





## WWTF Data Collection

POLK COUNTY UTILITIES | POLK COUNTY, FL

The County owns and operates seven wastewater treatment facilities (WWTFs) within six regional utility service areas, including four regional facilities and three smaller “package” plants. As part of a comprehensive asset management program, the County wanted to collect asset inventory data from these facilities for use in a computer maintenance management system (CMMS). Additionally, the County wanted to assess asset condition in conjunction with the collection of asset inventory data. Black & Veatch provided field data collection services to collect the desired asset inventory and condition data. The following tasks were included:

- Data Collection Plan
- Update Survey123 Forms
- Develop Data Collection Plan
- Data Collection: WWTF Asset Surveys
- Data Submission
- Data Analysis and Quality Control
- Data Submission

A list of additional projects recently completed for the County under their General Services Contract is provided below:

- Level of Service Benchmarking Study
- Key Performance Indicators (KPI) and Standard Operating Procedures
- Facility KPI Roadmap
- Southwest Water Model Update and Calibration
- Northwest Water Model Update and Calibration

### PROJECT REPRESENTATIVE

**Charles Nichols**

Asset Manager

1011 Jim Keene Blvd.  
Winter Haven, FL 33880

863-298-4215

CharlesNichols@polk-county.net

### SIZE AND COST OF THE PROJECT:

\$98,995

### PROJECT COMPLETION DATE

February 2020

### FIRM'S RESPONSIBILITY

Prime

### CHANGE ORDERS

None

### TIME EXTENSIONS

None

### CONNECTED KEY STAFF

- Amanda Schwerman\*
- Martin Jones\*
- Sanjay Puranik\*
- Tim Collazuol
- Jim Murin
- Rasesh Shah
- Matthew Azarian
- Michael Hahn

\* Indicates staff who worked on representative project. The remaining worked on project or assignments under the same contract.



## Lakeland Regional Biosolids Study

CITY OF LAKELAND | POLK COUNTY, FL

The City of Lakeland identified a need to develop a long-term plan for the treatment and disposal of biosolids produced by their Northside Water Reclamation Facility (WRF) and the Glendale WRF. During a previous Black & Veatch study of biosolids technologies for the Northside WRF, it was determined that the City could benefit from regionalization of biosolids processing. The wastewater loading to each of the City’s WRFs is expected to increase over time.

Black & Veatch worked with the City to develop and evaluate biosolids management alternatives to stabilize the WAS generated at both WRFs and create a product that can beneficially used. **Black & Veatch developed a phased regional biosolids management program to meet the City’s needs over the next 20 years.** Various treatment alternatives were investigated as well as alternatives for transporting the WAS/ biosolids. After conducting a lifecycle cost analysis and non-economic evaluation of the treatment alternatives, a regional composting facility was recommended. Black & Veatch documented the work and resulting recommendations into a Technical Memorandum. The City plans to initiate detailed design in 2023.

A list of additional projects recently completed for the City under their General Services Contract is provided below:

- T. B. Williams Process Control System Upgrade Design and Construction Phase Services
- C. Wayne Combee WTP – Greenfield WTP Design and CPS Services
- Wellfield Optimization Study
- English Oaks Wastewater Pump Station Site Suitability Study, Design, Permitting, and Construction Phase Services
- Beneficial Reuse Study and AWIA

### PROJECT REPRESENTATIVE

**David Bayhan, Jr., PE**  
Interim Utility Director

501 E Lemon St,  
Lakeland, FL 33801

863-834-6170

David.Bayhan@lakelandgov.net

### SIZE AND COST OF THE PROJECT:

\$50,000

### PROJECT COMPLETION DATE

April 2022

### FIRM’S RESPONSIBILITY

Prime

### CHANGE ORDERS

- None

### TIME EXTENSIONS

- None

### CONNECTED KEY STAFF

- Michael Tache\*
- Andrew Westfall\*
- Robert Burchett\*
- George Joyce\*
- Steven King\*
- Jo Ann Jackson
- Amanda Schwerman

\* Indicates staff who worked on representative project. The remaining worked on project or assignments under the same contract.



## Water Master Plan & General Services

CITY OF NORTH PORT | SARASOTA COUNTY, FL

The City of North Port Utilities Department (NPU) delivers potable water at an average of 3.33 million gallons per day (MGD) to over 56,000 people. Customers include residential, commercial, industrial, and institutional customers. The Water Master Plan is divided into three major priority topics that will guide North Port Utilities (NPU) for the next 20 years. All three priorities focus on and improve the system resilience and reliability as well.

- **Population growth and system capacity.** As of early 2023, the City was ranked as the second fastest growing city in the nation. With that significant growth, the importance of a good plan to take the City into the future is critical.
- **Water quality and operational optimization.** In 2021, North Port Utilities provided nearly 56,000 customers with safe and reliable drinking water. Understanding how changes to the system impacts the ability to continue to provide safe and reliable drinking water is critical.
- **Aging infrastructure and renewal and replacement.** The oldest portions of the system were installed around 1958 and the original water treatment plant was constructed in 1964. The City has been continually expanding and aging since that time. Deciding when to replace assets is critical to future planning.

A list of additional projects recently completed for the City under their General Services Contract is provided below:

- ISO 55000 Asset Management Gap Assessment
- Evaluation of New Water Supplies
- Cost-Benefit Analysis of Existing Water Supply

### PROJECT REPRESENTATIVE

**Nancy Gallinaro**  
Utility Director

6644 West Price Blvd.  
North Port, FL 34291

941-240-8010

NGallinaro@northportfl.gov

**SIZE AND COST OF THE PROJECT:**  
\$499,650

**PROJECT COMPLETION DATE**  
June 2023

**FIRM'S RESPONSIBILITY**  
Prime

**CHANGE ORDERS**  
■ None

**TIME EXTENSIONS**  
1. Six months due to developer additions to population projections

### CONNECTED KEY STAFF

- Amanda Schwerman\*
- Steven King\*
- Andrew Westfall\*
- Matt Azarian\*
- Michael Hahn\*
- Mark Martin\*
- Mike McGee\*
- Tim Collazuol\*
- George Schlutermann
- Jo Ann Jackson
- Sam Miller
- Brent Cain
- Ravi Nalamothu
- Martin Jones

\* Indicates staff who worked on representative project. The remaining worked on project or assignments under the same contract.



## South County Repump Station Expansion Design and CEI Services

HILLSBOROUGH COUNTY WATER RESOURCES  
DEPARTMENT | HILLSBOROUGH COUNTY, FL

One of the initial projects required to support growth in the South County area was the expansion of the County's existing South County Pump Station facility. Black & Veatch has served as engineer of record for this project through design and construction. Services included preliminary and detailed design, permitting, bid phase, construction administration, resident project representation, and startup assistance services.

This project included the addition of two new high-service pumps (equipped with variable frequency drives) within the existing pump station building. Technical specifications were developed early in the design process to support the pre-purchasing of the pumps to meet the aggressive schedule requirements. Black & Veatch consulted with the County on ways to further expedite schedule, which included having the County pre-purchase equipment to reduce scheduling impacts due to long lead times.

The pump station improvements also included associated structural, architectural, mechanical (piping, valves and appurtenances), electrical, instrumentation & controls (I&C), site piping, and civil/sitework. An arc flash hazard analysis was performed to identify appropriate mitigation measures to ensure that proper safety features were incorporated into the design of the pump station improvements.

A list of additional projects recently completed for the County under their General Services Contracts is provided below:

- Northwest Regional WRF Upgrades
- Professional Engineering Services for Pipeline Rehabilitation
- County-wide Pump Station Electrical Improvements
- NW Regional WRF Solids Dewatering
- Valrico AWTP UV Disinfection System Upgrades

### PROJECT REPRESENTATIVE

**Jason Parrillo**  
Section Manager, CIP  
800 E Twiggs St,  
Tampa, FL 33602  
813-853-1059  
ParrilloJ@hcflgov.net

**SIZE AND COST OF THE  
PROJECT:**  
\$400,000

**PROJECT COMPLETION DATE**  
December 2021

**FIRM'S RESPONSIBILITY**  
Prime

**CHANGE ORDERS**  
1. Add construction inspection  
services

**TIME EXTENSIONS**  
■ None

### CONNECTED KEY STAFF

- Amanda Schwerman
- Andrew Westfall\*
- Emilie Moore\*
- George Joyce\*
- Ryan Eck
- Mike McGee
- Zach Smierciak
- Steven King
- Roberto Santiago\*

\* Indicates staff who worked on representative project. The remaining worked on project or assignments under the same contract.



## Raw Water Transmission Mains

CITY OF FORT MYERS | LEE COUNTY, FL

The City needed to expand the existing Eastwood wellfield to provide additional raw water to the WTP. Black & Veatch provided route evaluation, hydraulic modeling, design and construction services to construct two separate raw water transmission mains to connect four new water supply wells. The phase 5A raw water main was approximately 6,700 LF of 14-inch and 24-inch HDPE pipe. The pipe connected two wells and was routed along the North Colonial Linear Trail and included a canal crossing. The phase 5B raw water main was approximately 5,500 LF of 20-inch HDPE pipe. The pipe connected two wells and was routed along public right-of-way with major roadway crossings at Colonial Boulevard and Challenger Boulevard. The installation methods for both pipes included open cut and horizontal directional drill.

Additionally, Black & Veatch has provided study, design and construction services for more than 50 projects as the City's Engineer of Record for their water system. Included among these projects are the following:

- East Storage Tank and Booster Pump Station
- RO Treatment Plant Process Operations Evaluation
- RO Concentrate Disposal Well Permit Renewal
- SFWMD Water Use Permit Renewal/Modification
- CO<sub>2</sub> System Replacement
- Neutralization System
- Lime Residuals Removal
- Chemical Storage Tank Replacement & Containment Coatings

### PROJECT REPRESENTATIVE

**Richard Moulton**

Public Works Director

2200 Second St,  
Fort Myers, FL 33901

239-321-7216

RMoulton@cityftmyers.com

### SIZE AND COST OF THE PROJECT:

\$734,000

### PROJECT COMPLETION DATE

Ongoing

### FIRM'S RESPONSIBILITY

Prime

### CHANGE ORDERS

- None

### TIME EXTENSIONS

- None

### CONNECTED KEY STAFF

- Olena Lytvyn\*
- Mark Martin
- Mike McGee\*
- Ed Rectenwald\*
- Sam Miller\*
- Alan Gil
- Steve Nelson
- Andy Westfall\*

\* Indicates staff who worked on representative project. The remaining worked on project or assignments under the same contract.



## Vulnerability Assessment

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY | SARASOTA COUNTY, FL

Black & Veatch developed a vulnerability assessment (VA) for Peace River Manasota Regional Water Supply Authority's (Authority) critical assets. The VA evaluated two regional mitigation strategies (reservoir and hydrologic restoration) and the benefits they would provide the Authority to meet future conditions. The project included evaluating previous studies, gathering available data sources, developing adaptive planning updates, and identifying various vulnerabilities. Black & Veatch also developed identification of project availability to meet resilient Florida Funding criteria.

The VA considered changing climate conditions, but also included the development of a one-dimensional ICPR model for the basin to help conceptualize benefits of flooding reduction for hydrologic restoration. The analysis developed included a preliminary "No-Rise Analysis" to conceptualize the downstream impacts for the reservoir. Black & Veatch evaluated potential impacts of the minimum flow and level established for Peace River when considering changing rainfall patterns and prepared event diagrams to relate different climate events to specific assets and potential impacts.

A list of additional projects recently completed for the Authority under their General Services Contracts is provided below:

- 1991 Facility Rebuild WTP Refurbishment
- Energy System Optimization Study
- Renewable Energy/Solar Feasibility Study
- Desoto County Water Age/Quality Study
- WTP Main Power Switch Replacement
- Asset Inventory and Condition Assessment
- Asset Renewal and Replacement Forecasting

### PROJECT REPRESENTATIVE

**Terri Holcomb, PE**  
 Director of Engineering  
 9415 Town Center Parkway  
 Lakewood Ranch, FL 34202  
 941-316-1776

T.Holcomb@regionalwater.org

**SIZE AND COST OF THE PROJECT:**  
 \$89,500

**PROJECT COMPLETION DATE**  
 November 2022

**FIRM'S RESPONSIBILITY**  
 Prime

**CHANGE ORDERS**  
 ■ None

**TIME EXTENSIONS**  
 ■ None

### CONNECTED KEY STAFF

- Jon Dinges\*
- Sam Miller\*
- Amanda Schwerman
- Andrew Westfall
- Mike McGee
- Steven King

\* Indicates staff who worked on representative project. The remaining worked on project or assignments under the same contract.



## Eastside WRF Permitting Support

CITY OF VENICE | SARASOTA COUNTY, FL

The Eastside WRF is an 8-MGD three-month Average Daily Flow Type 1 Advanced Wastewater Treatment Facility. The WRF has a five-year operating permit from FDEP that was set to expire on January 31, 2022. In order to maintain the plant in compliance with the FDEP permit, a new permit application for renewal needed to be submitted within 180 days prior to the expiration of the existing permit.

The City requested Black & Veatch's assistance for the renewal of the WRF's FDEP operating permit, as well as to support them with responding to Senate Bill 64 (SB64) and House Bill 53 (HB53). Black & Veatch's scope of services included the following:

- Completing the required FDEP permit renewal forms and general information required as part of application package.
- Preparing a Capacity Analysis Report (CAR).
- Preparing the Operation & Maintenance Performance Report (OMPR).
- Supporting the development of a response to FDEP regarding State House Bill 53 (HB53).
- Supporting the development of a response to FDEP regarding State Senate Bill 64 (SB64).

A list of additional projects recently completed for the City under their General Services Contracts is provided below:

- Water System Master Plan
- Venice WTP Engine Generator & Switchgear Replacement
- Utility System Energy Optimization & Renewable Energy Study
- WTP Reverse Osmosis Treatment Process Study and Pilot Plant
- New Water Booster Pump Station

### PROJECT REPRESENTATIVE

**Javier Vargas, PE**  
Public Utilities Director  
200 Warfield Ave N,  
Venice, FL 34285  
941-486-2788 Ext. 7300  
jvargas@venicegov.com

**SIZE AND COST OF THE PROJECT:**  
\$55,000

**PROJECT COMPLETION DATE**  
October 2021

**FIRM'S RESPONSIBILITY**  
Prime

**CHANGE ORDERS**  
■ None

**TIME EXTENSIONS**  
■ None

### CONNECTED KEY STAFF

- Michael Tache\*
- Andrew Westfall\*
- Amanda Schwerman\*
- Lucas Botero\*
- Ryan Eck\*
- Steven King\*
- Helene Kassouf\*

\* Indicates staff who worked on representative project. The remaining worked on project or assignments under the same contract.

## KEY TEAM MEMBERS

### Unique Qualifications of Key Team Members Managing Assigned Projects

Our approach to successfully completing tasks under this contract includes delivering services through our local staff. This approach enables us to be highly responsive, supports schedule and budget efficiency, and provides a consistent team to interface with Polk County staff. Our team is made up of a diverse group of highly skilled professionals and includes a range of expertise in areas relevant to the services included under this contract.

The cornerstones of our approach are:

- Maintain a commitment to responsive client service and deliver projects on time and on budget.
- Lead and execute projects with local management and a core group of consistent local team members.
- Leverage the firm's diverse capabilities and expertise to meet any challenge for the County.
- Deliver innovative, cost saving solutions.



**Amanda Schwerman, PE**  
PROJECT MANAGER

- 18 years of experience managing and executing utility projects
- Five years of experience supporting Polk County
- Extensive experience under MSAs



**Steven King, PE**  
DEPUTY PROJECT MANAGER

- 23 years of experience managing all types of utility projects across Florida
- Wide range of experience working under MSAs
- Managed/executed over 70 projects within the region



**George Schlutermann, PG**  
WATER SUPPLY & HYDROGEOLOGY  
TASK LEAD

- 34 years of experience managing hydrogeological, water, and wastewater projects
- Worked on hydrogeological projects in Polk County since 2001
- Led exploration at three Lower Floridan aquifer sites in Polk County



**Jim Murin, PE**  
POTABLE WATER TASK LEAD

- 30+ years of executing water treatment projects
- Managed dozens of Florida treatment, distribution and water quality projects via MSA contracts



**Mike Tache, PE**  
WASTEWATER TASK LEAD

- 17 years of experience managing wastewater and biosolids projects
- Managed a five-year contract to optimize performance and energy/chemical use at both of the County's WWTPs



**Andrew Westfall, PE**  
DISTRIBUTION & COLLECTION  
TASK LEAD

- 34 years of engineering experience in Central Florida
- Involved in design of 50+ miles of 8- to 72-inch Florida pipelines
- Trenchless experience with directional drill, micro tunnel, jack & bore, and tunneling



**Tom Collazuol, PE**

ASSET MANAGEMENT TASK LEAD

- 16 years of engineering experience
- Enterprise business intelligence solutions and dynamic asset management
- Polk County's Preferred Vendor for Business Intelligence Projects



**Mike Phelps, PE**

TECHNICAL ADVISOR

- 29 years of experience completing a wide range of municipal engineering services
- Completed over 100 projects in Polk County



**Sanjay Puranik, PE**

TECHNICAL ADVISOR

- Served as Polk County PM for procuring and implementing new CMMS (Lucity)
- Technical consultant on several strategic and tactical asset management projects for Polk County



**Rasesh Shah, PE**

TECHNICAL ADVISOR

- 20+ years of experience in municipal and industrial water and wastewater engineering
- Designed the full water cycle from water supply to treatment to effluent disposal



**Ed Rectenwald, PG**

TECHNICAL ADVISOR

- Wide range of experience utilizing the Floridan Aquifer System for water supply, ASR/AR, and DIWs
- Currently working on a private deep injection well program in Polk County



*Black & Veatch Staff are adept at listening to the needs of the County, communicating well and providing high-quality deliverables. They have worked across departments and disciplines to provide the county holistic system recommendations. As a result, the county had gained increased confidence in implementing projects without the fear of negative unintended consequences from evaluating systems in silos. I recommend Black & Veatch's services to other utilities."*

**- MARGARET (BECKY) COOK, PE**  
SENIOR ENGINEER, PINELLAS COUNTY

## SUBCONSULTANT KEY TEAM MEMBERS



**George Byfield**

PUBLIC INVOLVEMENT SERVICES

SUB: COMET MEDIA GROUP

- 30 years of experience
- Digital, print, television and social media services
- Multiple local government contracts



**Sonny Fornoles, RA, AIA**

ARCHITECTURAL SERVICES

SUB: BORRELLI + PARTNERS

- Work on multiple Polk County architectural design projects
- 25 years of architectural experience



**John Delashaw, PE, MAT**

GEOTECHNICAL ENGINEERING

SUB: MADRID/CPWG

- Technical lead for geotechnical projects
- 33 years of geotechnical experience
- Numerous projects in and for Polk County



**Jason Stanley**

LAND SURVEYING & SUBSURFACE UTILITY ENGINEERING

SUB: ECHO UTILITY ENGINEERING

- 23 years of experience with SUE work
- Led SUE services for multiple Polk County utility projects



**Edward Giese, PE**

CIVIL ENG./RIGHT-OF-WAY & EASEMENT ACQUISITION SERVICES

SUB: PATEL, GREEN AND ASSOCIATES

- 17 years of civil/right-of-way (ROW) and easement work
- Experience with MSA contracts



**Duane Yazzie, MS-GIST, GISP**

GIS ANALYSIS

SUB: MAPPING ENTERPRISE LLC

- Former GIS Administrator for Polk County
- Familiar with ESRI Enterprise and many other databases and software



**Alan Rayl, PE, PSM**

CIVIL ENGINEERING

SUB: RAYL ENGINEERING & SURVEYING

- 40 years of civil engineering experience
- Former Polk County Land Development Engineer
- Multiple projects in Polk County

# POLK COUNTY



## PROJECT MANAGER

Amanda Schwerman, PE



## DEPUTY PROJECT MANAGER

Steven King, PE

## TECHNICAL ADVISORS

Michael Phelps, PE  
 Sanjay Puranik, PE  
 Rasesh Shah, PE  
 Ed Rectenwald, PG



## WATER SUPPLY & HYDROGEOLOGY

George Schluterman, PG

**HYDROLOGY AND SURFACE WATER MODELING**  
 Ravi Nalamothu

**HYDROGEOLOGIC MODELING AND EVALUATION OF WATER QUALITY DATA**  
 Brent Cain  
 George Schluterman, PG

**WELL CONSTRUCTION AND ABANDONMENT**  
 Anamaria Sarmiento, PG

**WELL HEAD PROTECTION, WATER QUALITY AND ENVIRONMENTAL ASSESSMENTS**  
 George Schluterman, PG  
 Michael Burton

**ALTERNATIVE WATER SUPPLY SOURCES**  
 Jo Ann Jackson, PE

**INJECTION/RECHARGE/ASR WELLS**  
 Anamaria Sarmiento, PG

**WATER CONSERVATION EDUCATION AND/OR ENFORCEMENT**  
 Andrew Chastain-Howley, CEng



## POTABLE WATER

Jim Murin, PE

**WATER QUALITY ENGINEERING, MODELING, AND EVALUATION**  
 Emilie Tummons, PhD, PE

**WATER TREATMENT PROCESS**  
 Dustin Mobley, PE  
 Arturo Burbano

**MECHANICAL ENGINEERING RELATED TO WATER FACILITIES**  
 Michael Nellis, PE

**CHEMICAL FEED**  
 Ed Vogt, PE  
 Joshua Benjamin, PhD, EI

**WATER FACILITIES OPERATIONAL EXPERIENCE**  
 Ron Parker



## WASTEWATER/ RECLAIMED

Mike Tache, PE

**WASTEWATER ENGINEERING, TREATMENT, AND EVALUATION**  
 Timur Deniz, PhD, PE

**BIOSOLIDS MANAGEMENT DESIGN AND OPERATION**  
 Engin Guven  
 Mark Lang

**WASTEWATER TREATMENT PROCESS**  
 Timur Deniz, PhD, PE

**MECHANICAL ENGINEERING RELATED TO WASTEWATER AND RECLAIMED FACILITIES**  
 Mike Nellis, PE

**WASTEWATER AND RECLAIMED WATER FACILITIES OPERATIONAL EXPERIENCE**  
 Chris Owens



## COLLECTION & DISTRIBUTION

Andrew Westfall, PE

**UTILITY MASTER PLANNING AND HYDRAULIC MODELING**  
 Matthew Azarian, PE  
 Michael Hahn, EI

**WATER QUALITY MASTER PLANS AND WATER CONSERVATION PLANS**  
 Emily Tummons, PE

**WATER, SEWER & RECLAIMED PIPELINES**  
 Olena Lytvyn, PE  
 Mike McGee, PE

**TRENCHLESS PIPE INSTALLATION**  
 Mike McGee, PE

**PIPE ASSESSMENTS/REHABILITATION**  
 Ed Carpenetti, PE

**PUMP STATIONS/STORAGE TANKS**  
 Mike Nellis, PE

**PUMPS/HYDRAULICS/SURGE ANALYSIS**  
 Bobby Burchett, PE



## ASSET MANAGEMENT

Tim Collazuol, PE

**GIS ANALYSIS, SDE MANAGEMENT AND GIS DATABASE MAINTENANCE AND SUPPORT CAPABILITIES**  
 Justin Mitchell

**DATABASE & INFORMATION SYSTEM DEVELOPMENT RELATED TO UTILITY SYSTEMS AND MANAGEMENT**  
 Tim Collazuol, PE

**UTILITY ENVIRONMENTAL AFFAIR**  
 Jon Dinges, PE

**FEASIBILITY STUDIES FOR DEVELOPING, IMPROVING AND MAINTAINING WATER, WASTEWATER AND RECLAIM WATER SYSTEMS**  
 Jo Ann Jackson, PE

**STRATEGIC ASSET MANAGEMENT PLANNING**  
 Martin Jones, CEng

**RISK ANALYSIS/CIP PLANNING**  
 Amanda Zarazua, PE

### SUPPORTING ENGINEERING DISCIPLINES

**Civil Engineering/Stormwater/ Site Planning**  
 Sam Miller, PE

**Regulatory Compliance and Permitting for Water and Wastewater Facilities**  
 Steve King, PE  
 Sam Miller, PE

**Geotechnical Engineering**  
 Mark Chomtid, PE

**Structural Engineering as Related to Water, Wastewater and Reclaimed Water Facilities**  
 Brad Vanlandingham, PE

**Electrical Engineering as Related to Water, Wastewater and Reclaimed Water Facilities**  
 David Martins, PE

**Instrumentation and Controls Engineering and Programming for SCADA Systems**  
 Kyle Phipps, PE

**CADD Design Capabilities**  
 Clayton Glatt

**HVAC/Plumbing**  
 Michel Roth, PE

**Construction Engineering Inspection**  
 Stephen Nelson, PE

### SPECIALIZED SERVICES AND EXPERTS

**Utility Acquisition and Evaluation**  
 Olena Lytvyn, PE

**Constructability Plan Review/ Value Engineering**  
 Roger Smith  
 Vince Rea

**Construction Administration and Construction Observation-related Engineering Services for Water, Wastewater, and Reclaim Water Facilities**  
 George Joyce, PE

**Energy Audits**  
 Ryan Eck, PE

**Green Engineering Practices**  
 Ajay Kasarabada, PE  
 Rebecca Oliva, PE

**Generators/Fuel Systems**  
 Jimmy Otterby, PE

**Renewable Energy**  
 Jennifer Cahill, PE

**Acoustical Modeling**  
 George Galay, PE

### SERVICES TO BE SUBCONTRACTED AS-NEEDED

**Civil Engineering**  
 RAYL Engineering and Surveying, LLC  
 Patel, Greene & Associates

**Geotechnical Engineering**  
 Madrid Engineering/GPWG

**Architectural Services**  
 Borrelli + Partners

**Land Surveying**  
 ECHO Utility Engineering & Survey

**Public Involvement Services, Including Technical Assistance for Preparation of Public Information Brochures**  
 Comet Media Group

**Subsurface Utility Engineering and Locating**  
 ECHO Utility Engineering & Survey

**Right-of-Way and Easement Acquisition Services**  
 Patel, Greene & Associates

**Property Research/Title Search Easement Acquisition**  
 ECHO Utility Engineering & Survey  
 Patel, Greene & Associates

**GIS Analysis, SDE Management and GIS Database Maintenance and Support Capabilities**  
 Mapping Enterprise LLC  
 Dale Edgar (Sub)

## KEY SUBCONSULTANTS

Black & Veatch recognizes that our business partners are a valuable resource and an integral part of the project team. The strengths of firms of varying specialties supporting one another and communicating effectively provide great benefit to Polk County projects. Black & Veatch strives to offer such significant and challenging responsibilities to our teaming partners and fosters open communication strategies among all project stakeholders. The Black & Veatch team is supported by seven subconsultants who all either have local offices in Polk County and are Polk County "entities" or are women or minority owned businesses.

### Borrelli + Partners

*Architectural Services (including landscape architecture)*

Established in 1968, Borrelli + Partners, Inc. (B+P) is a professional Florida-based corporation consisting of architects, planners, landscape architects, and interior designers. B+P is MBE, DBE, and SBE certified throughout the state with various entities. During the company's 55-year tenure, the firm's extensive track record in performing architectural design services for municipal and government clients has made up over 90 percent of its services. B+P's design portfolio spans diverse industries, including transportation, aviation, industrial, convention and performing arts, commercial and mixed-use, recreation and wellness, law enforcement and judicial, park and trail planning, K-12 and higher education, and medical/health care. To date, the company has provided design services for over 20 water, wastewater, and water reclamation facilities. B+P's services also include landscape architecture and has extensive experience with all aspects of that service. B+P currently holds a continuing architectural services contract with Polk County. Through this contract, the company has been awarded the following projects:

- Development of Public Defender's Office at the Polk County Courthouse
- Saddle Creek Maintenance Office



### Comet Media Group

*Public Involvement Services, including technical assistance for preparation of public information brochures*

The Comet Media Group is a Polk County Entity and a certified MBE enterprise, that has been providing marketing departments and advertising agencies with creative production services for nearly two decades. Today, Comet Media Group is still an independently-owned marketing consulting agency with offices in Lakeland and the Caribbean. The company provides a full suite of integrated marketing services, from digital solutions such as website and content development, Google Ads campaign management, SEO services, and social media management to print solutions such as billboards, print ads, custom publishing, public relations, media production and more. Comet Media Group provides the with the marketing needs for a roster of local and regional clients and provides an equal mix of business-to-business and business-to-consumer marketing strategies.



## Echo Utility Engineering & Survey

*Land Surveying;*

*Subsurface Utility Engineering and Locating*



ECHO UES, Inc. (ECHO) was founded by a group of partners with civil engineering, surveying, construction, and utility/GIS backgrounds, 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 has provided its services for over six years and currently has three offices in Florida located in Tampa, Orlando, and Gainesville. ECHO currently employs 111 full-time employees and has 34 field crews that are available to provide services for this contract.

ECHO was founded in 2017 to provide subsurface utility engineering, survey and mapping professional services throughout Florida for a variety of projects, assisting owners, engineers and constructors improve their 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 its service offerings.

ECHO provides services for the study, analysis and depiction of existing underground utilities potentially impacted by a project, in addition to the collection of accurate topographical and specific purpose surveys to represent the above ground site conditions.

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. Once collected, the field data is reviewed and processed, and our final deliverables consist of 3D digital representations of the site conditions above and below ground.

ECHO works on many different types of projects, including water, wastewater, and reclamation facilities.

### **Polk County Experience:**

- Polk NERWWTF Clarifier Addition
- New Utility Installation at the Polk County Jail
- Polk County Utilities Wetland Monitoring Survey
- Lake Victoria - Polk County Drainage Improvements
- Thompson Nursery from US 17 @ SR540 to Thompson Nursery Rd @ West Lake Ruby Dr - Polk County
- Crooked Lake Park Receivership - Polk County
- Tierra Del Sol Blvd/Central Grove Rd Intersection - Polk Co
- Driftwood Drive Drainage Improvements - Polk County
- Polk County NERWWTF Electrical Upgrades
- Rockledge Road Bridge Replacement 164138 Polk Co
- West Pipkin Road Widening Project, Polk County, FL

## Madrid Engineering/CPWG

### *Geotechnical Engineering*



Madrid Engineering Group, Inc., d/b/a/ Madrid CPWG is a Polk County-based engineering company established in 1992 and located in Bartow for 25 years. The company's specific expertise includes full service professional geotechnical engineering along with construction materials testing, and construction engineering inspection (CEI) services. In addition, Madrid/CPWG has specialty service departments such as drilling services, laboratory testing, and other support services. The corporate office is located in Bartow, with additional Madrid CPWG offices in Tampa and Winter Springs. Madrid CPWG is a certified MBE by the State of Florida with other small, minority and/or disadvantaged business certifications from entities such as the FDOT, Federal SBA, as well as several county and city governments.

The overall company has nine technical divisions. The GeoSciences Group includes four of those divisions and essentially runs out of the Bartow Office. The GeoSciences Group Divisions include Geo-Engineering, Structural/Forensics, CEI/CMT and Drilling. Madrid CPWG's expertise is based on the technical knowledge and experience of its employees, whose diverse backgrounds include the specialties of geotechnical engineering, structural engineering, materials science, geology and field exploration and testing. Their professional staff is complemented by soils and construction field and lab technicians; a versatile fleet of company owned drill rigs and CPT equipment; a full-service geotechnical laboratory and a full-service construction materials testing (CMT) laboratory. Madrid CPWG has completed nearly 10,000 projects throughout Florida, most drilled using in-house drilling services.

Madrid CPWG's geotechnical and CMT laboratories and tests performed are certified under AASHTO R18 and accredited by the Construction Materials Engineering Council (CMEC). The company performs 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. Madrid CPWG is also a W/MBE firm with the State of Florida UCP and many other agencies, as well as a Small Business with the South Florida Water Management District and other agencies.

## Mapping Enterprise LLC

### *GIS Analysis, SDE Management and GIS database maintenance and support capabilities*

Mapping Enterprise, LLC is familiar with ESRI Enterprise high availability, distributed, federated GIS Portal systems, including datastore, IIS, ESRI Enterprise servers Portal, Advanced Server, Standard, Image, Geo-analytic servers and keeps up to date with upgrades and patches to ESRI Enterprise architecture. The company's experience includes administering Enterprise SQL databases geospatial environments, support for online in-house and AGOL (ArcGIS Online). Their services include high-quality training, support, and expertise to GIS stakeholder regarding Enterprise administration as well as end user Portal architecture components and ArcGIS Desktop/Catalog, ArcPro, Collector/Field Maps, Survey123, Dashboards, Groups, Membership, Content, licensing. Mapping Enterprise, LLC has experience with VM servers – Web/IIS, Portal, Server, Hosting, Image, Geo-analytics, Relational/Tile Cache/Spatial Temporal data-stores and file shares. The company also has experience with automation and scripting using the Python programming language.

Mapping Enterprise, LLC has recently been approved as an MBE in Polk County. Owner Duane Yazzie was previously employed as the GIS administrator to the Polk GIS enterprise system for Polk County for over four years and has been involved with government IT/GIS since 2008 for various entities within Florida.

## Patel Green & Associates

*Civil Engineering; Right-of-way and Easement Acquisition Services;  
Property Research/Title Search Easement*



Patel, Greene & Associates, LLC (PGA) is a leading transportation design and planning firm that was founded in 2011. A registered DBE, PGA provides transportation engineering solutions for the Florida Department of Transportation (FDOT), Polk County, and other municipalities throughout Florida. They are leaders in innovative roadway, drainage, structures, site/civil, and traffic engineering, as well as environmental, planning, PD&E, and landscape architecture. The firm has managed, designed, and reviewed projects ranging from sidewalks to resurfacings and from widenings to multi-level interchanges, as well as new alignments including segments of Central Polk Parkway, and Ernest Smith Blvd, both in Polk County.

Located in the heart of Downtown Bartow, PGA staff have significant experience with projects throughout Polk County and within its encompassing municipalities. PGA has regularly coordinated with County Roads and Drainage and Real Estate Services (RES). The firm's Alachua/Collier Drive Drainage Improvements and Wildwood Subdivision Drainage Improvements projects are relevant recent examples. They have also worked very closely with RES throughout their West Pipkin Road widening project. In addition, many of their staff members are lifelong Polk County residents, giving PGA a vested interest in the success of projects in the area.

## RAYL Engineering and Surveying, LLC

*Civil Engineering*



Rayl Engineering & Surveying, LLC is an S Corp business and was founded in August 2009. Alan L. Rayl, PE, PSM is the Owner and solely in charge of all management decisions. Alan opened the firm after being with other firms in the Tampa Bay and Central Florida markets since 1987. He has previously held the position of Polk County Engineer in the Land Development Division of the Office of Planning and Development. Alan is involved in all aspects of all engineering and surveying projects as well as client and customer service. He will be personally involved in all meetings, construction services, and other engineering tasks.

Rayl Engineering & Surveying, LLC provides private sector land development engineering design and permitting across Central Florida, as well as public sector consulting to many of Polk County municipalities. The company's clientele includes local developers and businesses, community development districts and property owner's associations/homeowner's associations, national home builders, the cities of Mulberry and Fort Meade, and the Town of Dundee. Their services include general civil engineering and land surveying services.

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## Amanda Schwerman, PE

### PROJECT MANAGER

#### OFFICE LOCATION

Tampa, FL

#### EDUCATION

MS, Environmental Science and Engineering, Colorado School of Mines

BS, Engineering, Colorado School of Mines

#### YEARS OF EXPERIENCE

Total 18  
BV 10

#### PROFESSIONAL REGISTRATION

PE – FL (70751)

Amanda Schwerman has a depth of experience in a variety of engineering projects, including Hydraulic modeling, master planning, asset management, water and wastewater treatment plants, pumping stations, and pipelines. Her involvement in these projects has included feasibility studies, facility design and construction services. Her position as Project Manager has led to her involvement in all of the projects Black & Veatch has completed under the MSA contract and enabled her to learn the County's preferences, procedures and standards.

#### Polk County | Southwest Potable Water Dynamic Hydraulic Model Update/ Verification; Polk County, FL | \$115,000

**Project Manager.** The County wished to update and calibrate the Model to enhance the County's hydraulic model tool to allow for future assessment of development-related demands and impacts on the overall system. The scope included field data collection, model update, calibration technical memorandum and users model. Amanda was also the PM for the Northwest Hydraulic Model Update and Verification; WWTF Data Collection; Level of Service Benchmarking Study; KPI and SOP Procedures; and Facility KPI Roadmap projects.

#### City of Plant City | Wastewater Master Plan; Plant City, FL | \$400,000

**Project Manager.** Plant City's Utilities Department collection system services a population of approximately 38,000 people. The goal and objective of the Wastewater Master Plan (Project) is to assist City staff in providing a reliable and robust system with adequate capacity to accommodate future growth within the City's sewer service area. Their collection system includes more than 140 miles of gravity pipes, 20 miles of forcemain, and 44 lift stations using InfoWorks ICM.

#### Tampa Bay Water | Cypress Creek Chemical Feed Systems Rehabilitation; Tampa FL | \$450,000

**Designer.** Designer for the sodium hypochlorite chemical feed system rehabilitation. Included sizing the chemical metering pumps to supply three injection points with different pressures, sizing and selecting the bulk storage tanks which resulted in two horizontal FRP tanks, layout of chemical piping, preparation of construction drawings, specifications, and cost estimates.

#### Villages of Islamorada | Conveyance Force Main DBO; Islamorada, FL | \$1,000,000

**Design Engineer.** Design engineer for 24 miles of conveyance PVC and HDPE force main with pipe sizes ranging from 10- to 18-inches. The Villages are under consent decree to eliminate package treatment and septic system within the Villages and has made an agreement to collect and convey its wastewater to the Key Largo WWTP.

#### Seminole County | Southeast Regional WTP and County Club WTP Major Upgrades; Seminole County, FL | \$750,000

**Project Engineer.** The SER and County Club projects include upgrading the two existing WTPs with ozone treatment to remove hydrogen sulfide. The SER WTP is approximately 19 MGD and the County Club WTP is approximately 7.0 MGD. She is responsible for the LOX and dissipation chamber design for each plant, as well as the transfer pump and sidestream design for the Country Club WTP. She is also responsible for coordinating with each discipline and coordinating submittals to the prime engineer.



## Steven King, PE

### DEPUTY PROJECT MANAGER

#### OFFICE LOCATION

Tampa, FL

#### EDUCATION

BS, Chemical  
Engineering,  
University of South  
Florida

#### YEARS OF EXPERIENCE

Total 23  
BV 16

#### PROFESSIONAL REGISTRATION

■ PE – FL (74954)

Steven King has gained a variety of experience in Project Management during his 23+ year career. Projects have included many different types of water/wastewater projects including: RO WTP upgrades, RO WTP studies, energy efficiency studies, WTP pump stations, Ground Storage Tanks, wastewater plant design, project management, utility investigation, water supply, pipeline design, regulatory compliance and permit preparation and review.

Steven also has extensive experience obtaining regulatory approvals for a variety of water and wastewater projects. Prior experience includes working as Permitting Supervisor during a seven-year employment with FDEP.

#### Seminole Tribe of Florida | Brighton WWTP Expansion | Brighton, FL | \$2,700,000

**Project Manager.** The project involves the expansion of a 150,000 gpd plant to 300,000 gpd. The addition of all new structures including new SBR basins, new splitter box, new influent pump station, new solids dewatering facility, new line effluent storage pond, and a new administration building. Project Management through the design, permitting, change orders and all aspects of the project. The design was completed on schedule and the project is now moving to the construction phase.

#### North Port | Water Master Plan | North Port, FL | \$500,000

**Project Manager.** The project involves a detailed water master plan for the whole city, including the existing WTP, interconnects and a future, developer-funded WTP. Project included a condition assessment of the existing facilities at the WTP, interconnects and booster pump stations. A risk based analysis of the Consequence and likelihood of failure was also included as well as detailed hydraulic analysis of the distribution system. Final project deliverable include interactive and adaptive CIP dashboards and models that can be used for future CIPs by the City.

#### Hillsborough County | NWRWRF Solids Dewatering Facility | Odessa, FL | \$1,300,000

**Project Manager.** Responsible for the design, permitting and construction phase services for the new solids dewatering facility at the Northwest Regional Water Reclamation Facility for Hillsborough County. The design includes the use of four screw presses to dewater the sludge in a new building and all of the appurtenances, including new WAS storage tanks, feed pumps, flocculation tanks, polymer feed systems, water booster pumps, electrical and I&C and two separate pump stations.

#### Toho Water Authority | Woodside Utility Relocations | Kissimmee, FL | \$350,000

**Project Manager.** Toho engaged Black & Veatch to design utility relocations due to a stormwater pipe installation by another agency. The relocations were for forcemains, watermains, and reclaimed main, in several locations. The stormwater pipe design was already complete, so our design had to advance from zero to 100% in three months. We accomplished the task and additional changes Toho added to the design on-time by bringing our Black & Veatch team to bear.



## George Schlutermann, PG

### WATER SUPPLY & HYDROGEOLOGY

#### OFFICE LOCATION

Tampa, FL

#### EDUCATION

MBA, International Business, University of Central Florida

BS, Geology, University of Florida, included graduate studies in Groundwater, Engineering Hydrology and Hydrogeology

#### YEARS OF EXPERIENCE

Total 18  
SV 1

#### PROFESSIONAL REGISTRATION

■ PG – FL  
(0001683)

George Schlutermann is a lead hydrogeologist involved in groundwater, water, and wastewater resource evaluation and development; alternative water supply project management, water and wastewater treatment facility design and permitting, reuse systems design and permitting, water quality studies, shallow and deep aquifer water well drilling, project supervision and management, aquifer performance testing and analysis, geophysical testing and analysis, evaluation of development impacts, and other projects related to groundwater resource development.

#### Polk Regional Water Cooperative | West Polk County Lower Floridan Aquifer Project; Polk County, FL | \$12,000

**Project Manager.** Project manager for the District, with the Polk Regional Water Cooperative (PRWC), for the design, permitting and construction of a Lower Floridan aquifer (LFA) test/production well and necessary monitoring/observation wells, aquifer yield and water quality testing, pilot testing, and the conceptual and preliminary (30%) design of a wellfield, water treatment facility (WTF), concentrate disposal well(s) and finished water regional transmission systems in northwest Polk County, preliminary rate analysis, and third party review (TPR). This area was selected because it is closest to the largest population centers in the County. This project is an alternative water supply (AWS) source and is expected to generate 15 MGD from the LFA.

#### Polk Regional Water Cooperative | Peace Creek Integrated Water Supply Plan Project; Polk County, FL | \$900,000

**Project Manager.** Project Manager for a feasibility study of the initial phase of the Peace Creek Integrated Water Supply Plan focusing on the determination of viable options to increase alternative water supplies for the Polk Regional Water Cooperative. The project includes a feasibility study comprising of eight tasks including project administration, formation of a watershed partnership, selection and evaluation of aquifer recharge sites, preparation of a preliminary design (30%) report, completion of a third-party review, development of an integrated water supply plan, site permitting, and development of a preliminary rate analysis.

#### United States Geological Survey (USGS) | Sources and Ages of Groundwater in the Lower Floridan Aquifer; Polk County, FL | \$350,000

**Project Manager.** Project Manager for a study with the USGS. The main objective of this study is to assess the sources and apparent ages of water from the productive zones within the LFA and to evaluate the lateral extent of high-yielding flow zones and flow paths by correlating hydrogeologic units within the test area. Identifying water sources and apparent ages would help determine whether the LFA is confined in the test area, while knowing the lateral extent of the productive zones would help determine whether they are localized or more regional in extent.

#### US Geological Survey | Optical Borehole Imaging Data Collection of the Lower Floridan Aquifer; Polk County, FL | \$180,000

**Project Manager.** Project Manager for a data collection effort with the USGS. The main objective is to collect OBI data in nine newly drilled monitoring wells. Provide the SWFWMD with processed optical borehole image data along with borehole geophysical data collected by the SWFWMD in the form of a borehole geophysical data display to assist in the understanding of the LFA.



## Jim Murin, PE

### POTABLE WATER TASK LEAD

**OFFICE  
LOCATION**  
Orlando, FL

**EDUCATION**  
MS, Environmental  
Engineering,  
University of  
Michigan

BS, Civil Engineering,  
Virginia Tech

**YEARS OF  
EXPERIENCE**  
Total 31  
BV 1

**PROFESSIONAL  
REGISTRATION**  
■ PE - FL (64103)

Jim Murin is a Civil and Environmental engineer with 31 years of experience in the environmental engineering consulting industry, including over 18 years in Florida. With a focus on water and wastewater utilities, Jim's technical background includes projects for process design, water chemistry, regulatory compliance, master planning, industrial wastewater and operational troubleshooting. As the leader of various client management and service teams, Jim has overseen major design and construction projects for clients across central Florida, including advanced water and wastewater treatment facilities and complex utility master plans.

#### **Seminole County Environmental Services Department | Southeast Regional WTP Improvements; Seminole County, FL | \$2.4 million**

**Principal-in-Charge.** Responsible for the preliminary, final design and permitting of the approximately \$23 million dollar treatment expansion to Seminole County's 19.4 MGD WTP utilizing ozone treatment and granular activated carbon for removal of TOC and compliance with EPA's Stage II Disinfection By-products Rule. The design included retrofitting existing buildings with new ozone equipment as well as complete replacement of the gas chlorine system with a sodium hypochlorite chemical system. Additional treatment was achieved through a split-stream GAC design to remove TOC. All improvements were implemented while maintaining the existing treatment plant's capacity and treatment required to sustaining potable water to the service area.

#### **Seminole County Environmental Services Department | Country Club WTP Improvements; Seminole County, FL | \$1.8 million**

**Principal-in-Charge.** Responsible for the preliminary, final design and permitting of the approximately \$14 million dollar treatment expansion to Seminole County's 10.0 MGD WTP utilizing ozone treatment and granular activated carbon for removal of TOC and compliance with EPA's Stage II Disinfection By-products Rule. The design included retrofitting existing buildings with new ozone equipment as well as complete replacement of the gas chlorine system with a sodium hypochlorite chemical system. Additional treatment was achieved through a split-stream GAC design to remove TOC. All improvements were implemented while maintaining the existing treatment plant's capacity and treatment required to sustaining potable water to the service area.

#### **Manatee County | Groundwater RO Pilot Study; Manatee County, FL | \$0.6 million**

**Project Manager.** Responsible for 3-month pilot study of reverse osmosis system for treatment of groundwater for potable use via a new facility. Led the development of project plan and study implementation, as well as troubleshooting of process issues associated with unusual water quality at the site. Developed report summarizing pilot study results, proposed design criteria, and assisted in the development of basis of design information for the full-scale facility.

#### **City of Clearwater Utilities | Morningside Water Quality Analysis and Flushing Program; Clearwater, FL | \$70,000**

**Project Manager.** Project Manager for study of water quality issues observed in Morningside area of City's potable distribution system. Analysis included use of hydraulic models to assess WTP influences on areas, and evaluation of potential solutions. Principal-in-Charge for a localized unidirectional flushing program designed and implemented to address the increased water quality customer complaints studied in first Phase of project. The project included design of a UDF program for the small area of the city and coordination of flushing activities.



## Mike Tache, PE

### WASTEWATER TASK LEAD

#### OFFICE LOCATION

Tampa, FL

#### EDUCATION

MS, Environmental Engineering, University of Massachusetts – Amherst

BS, Civil Engineering, University of Massachusetts – Amherst

#### YEARS OF EXPERIENCE

Total 20  
BV 17

#### PROFESSIONAL REGISTRATION

- PE – CA (79147)
- OSHA Certified Construction Safety and Health,

Mike Tache is a Senior Project Engineer with nine years of experience performing feasibility studies and providing design, construction, and startup support services for water and wastewater treatment facilities. He has worked on the design of premier advanced reuse and wastewater plants with Black & Veatch.

#### Pasco County | Embassy Hills WWTF Master Planning and Program Improvements; Pasco County, FL | \$4 million

**Project Manager.** Capital Improvement Planning effort involved identifying improvements at the WWTF over the short-term and long-term. Flow and loading projections were developed and modeling work was performed to identify bottlenecks in the process, remaining useful life of major equipment was defined, and replacement costs were developed so that the County could be certain they are being good stewards of the County’s money. Existing O&M program was reviewed, and recommendations developed to better align with industry best practices. Additionally, improvements to enhance resiliency were identified and evaluated for consideration. Responsibilities also include leading the design of the short-term program improvements. These improvements are being constructed over a 4-year period, under three separate Guaranteed Maximum Prices (GMPs).

#### Manatee County | RAS/WAS and Plant Drain Pump Station; Manatee County, FL | \$700,000

**Project Manager.** Project includes replacement of RAS/WAS pumping systems, secondary clarifier improvements, and gate and other miscellaneous improvements to the mixed liquor splitter box. Additionally, responsible for the design of an upgraded plant drain pump station system for the Manatee County Southeast WRF. Improvements included two new pump stations to intercept increased flows and the rehabilitation of an existing pump station. Project included the design of approximately 2,000 LF of facility piping between 8 and 16 inches in diameter. The new improvements will provide needed expansion of capacity, redundancy and reliability for the WRF.

#### Pinellas County | Water and Sewer Optimization Contract; Clearwater, FL | \$1.5 million

**Project Manager.** Defined and implemented cost-saving optimization improvements and long-term sustainable solutions for multiple facilities and systems. Tasks included process modeling, process optimization evaluations, water and wastewater energy efficiency evaluations, and two treatment facility master plans.

#### Pinellas County | Long-Term Biosolids Master Plan; Florida ; Clearwater, FL | \$600,000

**Engineering Manager.** Project involved the development of a biosolids master plan for the County. Current treatment is to anaerobically digest and then pelletize biosolids in a drum dryer. This study evaluated various alternatives for biosolids treatment to provide a long-term strategy for management of the County’s biosolids. Additionally, the viability of a regional biosolids facility was investigated, including holding a couple of workshops with local utilities to gauge level of interest in such a facility. The positive feedback from potential, regional partners has led the County to further develop plans and approach for a future RRRF.



## Andrew Westfall, PE

### DISTRIBUTION & COLLECTION LEAD

#### OFFICE LOCATION

Tampa, FL

#### EDUCATION

BS, Civil Engineering,  
University of Texas  
at Austin

#### YEARS OF EXPERIENCE

Total 34  
BV 34

#### PROFESSIONAL REGISTRATION

■ PE - FL (47693)

Andrew (Andy) Westfall has decades of successful experience managing and executing water, wastewater, and reclaimed water projects. Andy is a career Black & Veatch professional based in the firm's Tampa, Florida office. His 30+ years of experience have been dedicated to managing and executing water, wastewater, and reclaimed water projects for municipal utility clients in the Tampa Bay area and around the state of Florida. His project experience includes engineering studies, master planning, preliminary and detailed design, permitting, bidding, and construction phase engineering services for a wide range of water infrastructure projects. His strengths include attentive and successful project management, client responsiveness, and team/staff development.

#### Hillsborough County | Sewer Pipe Rehabilitation Program; Hillsborough County, FL | \$480,000

**Project Manager.** Performed construction administration and field inspection services in support of a program to rehabilitate large section of The County's gravity sewer collection system, including wetwell and manhole cleaning.

#### Plant City | Wastewater Master Plan; Plant City, FL | \$470,000

**Client Services Director.** Plant City's Utilities Department collection system services a population of approximately 38,000 people. The goal and objective of the Wastewater Master Plan (Project) is to assist City staff in providing a reliable and robust system with adequate capacity to accommodate future growth within the City's sewer service area. Their collection system includes more than 140 miles of gravity pipes, 20 miles of forcemain, and 44 lift stations using InfoWorks ICM.

#### Manatee County | Master Wastewater Lift Station Improvements; Bradenton, FL | \$600,000

**Project Manager.** Performing design, permitting, bid phase, and construction phase services in support of major rehabilitative improvements at one submersible pump station and two wetwell - drywell pump stations. Improvements include replacement of electrical equipment, engine generators, pumps, and piping, as well as architectural and HVAC improvements and wetwell rehabilitation.

#### Hillsborough County | Nature's Way Pump Station Upgrade; Tampa, FL | \$450,000

**Project Manager.** Black & Veatch provided services to Hillsborough County to implement upgrades to an existing Master Wastewater Pumping Station. The Nature's Way Pumping station was upgraded from 5,600 to 9,200 gpm and improvements were made throughout the facility including new and refurbished wetwells, new pumps, all new VFDs, new control system, and associated electrical/site improvements. The pumping station was upgraded in a staged approach in order to successfully maintain operation throughout construction. Neighborhood sensitivities include odor, noise, and aesthetics. Services provided by Black & Veatch included preliminary and detailed design, permitting, bidding services, construction administration, and construction inspection.



## Tom Collazuol, PE

### ASSET MANAGEMENT TASK LEAD

#### OFFICE LOCATION

Tampa, FL

#### EDUCATION

BS, Civil Engineering,  
Manhattan College,  
NY

#### YEARS OF EXPERIENCE

Total 16  
BV 3

#### PROFESSIONAL REGISTRATION

■ PE - NY (95932)

Tom Collazuol is an Engineer with more than 16 years of experience in infrastructure asset management and assessment, recently specializing in long span complex bridges with experience across the civil engineering industry. His expertise is diversified to include business intelligence analysis, data engineering services, and civil/structural engineering software development.

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#### Polk County | Water Quality Dashboards Project; Pinellas County, FL | \$39,000

**Business Intelligence Analyst.** An important part of the County's program was identifying and setting KPI goals for the numerous components of the County's water, wastewater, and reclaimed water systems. This project focused on KPIs recommended for water production facilities (WPFs), wastewater treatment facilities (WWTF), and reclaimed water vertical facilities. Additionally, the project entailed the development of an overall roadmap of recommended and prioritized KPIs for WPFs, WWTFs and lift stations.

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#### Pinellas County Utilities | Water Quality Dashboards Project; Pinellas County, FL | \$107,000

**Business Intelligence Analyst.** Developed a Water Quality Module in Power BI, providing a suite of dashboards which facilitate understanding of available water quality data. The module provides a means to leverage existing historical data, to generate insights and support data-driven decision making. Part of this project includes an Enterprise Data Assessment and Catalog of the existing data systems, for future incorporation in BI Modules.

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#### City of Fort Myers | Production Wells Project; Fort Myers, FL | \$30,000

**Business Intelligence Analyst.** Developed an Application for reporting construction progress in "real time" – including daily observation reporting and photos. The application digitally collects daily observations, weather data, safety notes, contractor personnel and equipment, and photographs with description. Collected data is reporting on a dynamic dashboard, facilitating reporting deliverables. Daily Reports are automatically generated via programming script, for distribution via email through Outlook emails.

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#### Irvine Ranch Water District | CIP & Asset Management Project – Condition Assessment Application; Irvine Ranch, CA | \$65,000

**Lead Application Developer.** Developed the Application for performing field and desktop condition assessment of 110 Facilities for the Irvine Ranch Water District. The application digitally collects condition scores, field commentary, photographs and photo descriptions, for all Facilities, with multiple disciplines associated to each facility. The data collected was stored safely and securely within a cloud-based Azure architecture, providing access for multiple concurrent users across disparate devices and operating systems. The project was provided with assessment on a "real-time" basis, as photos and scores were uploaded to the cloud, a dashboard related all field collected data, for further analysis. Tom was directly responsible for system architecture, user interface/experience, software programming and user support during the developmental life cycle.



## Michael Phelps, PE, ENV SP

### TECHNICAL ADVISOR

#### OFFICE LOCATION

Tampa, FL

#### EDUCATION

MS, Water Resources  
Engineering,  
University of Central  
Florida

BS, Civil Engineering,  
University of Central  
Florida

#### YEARS OF EXPERIENCE

Total 29  
BV 1

#### PROFESSIONAL REGISTRATION

- PE – FL (53315)
- PE – GA (45819)
- Envision  
Sustainable  
Professional  
(ENV SP), 433733

Michael Phelps has 29 years of experience with a wide variety of water and wastewater utility projects. Michael is experienced in project management, preparation of contract documents and specifications, cost estimation, and field inspections. He has managed numerous continuing contracts for engineering services for counties and cities. In that role, he has successfully prepared team management plans to properly staff multiple, concurrent task assignments to maintain schedules and budgets to meet client needs. He is highly experienced in managing the overall contract as well as individual task assignments for municipal continuing services contracts.

#### Polk County | Continuing Contract for Utilities; Polk County, FL | \$874,000

**Contract Manager.** Various roles involved with utility system design and rehabilitation projects throughout Polk County. Completed several water main projects including the Polk County Utilities and Haines City Water Main Interconnect, US 27/Holly Hill Road Reuse Main, Lily Lake Water and Wastewater Transmission System Design, Waverly Water Transmission System Design, Frostproof Water Main Extension, U.S. 27 Water System Improvements, SR 540 Water Main Extension, Moore Road Water Main Extension, and Pine Glen Subdivision Water Service Retrofit.

#### Florida Polytechnic University | Continuing Contract for Civil Engineering and Planning Services; Polk County, FL | \$750,000

**Contract Manager.** Client representative and lead engineer for projects throughout the campus. Major projects include the recreational facility design, campus master plan update, and reclaimed water analysis and improvements.

#### Haines City | US 27 Water Main Extension and Relocations, Haines City, FL | \$284,000

**Project Manager.** The project was completed to provide additional capacity to the Heart of Florida Hospital necessary to open their newest floors of building expansion. The project included multiple diameter pipes ranging from 8 to 24 inches and terminated at an interconnect with Polk County Utilities. The project was constructed with the FDOT right-of-way and required extensive permitting and construction coordination to meet the permit requirements.

#### City of Bartow | US 98 Utility Relocations; Bartow, FL | \$125,000

**Project Manager.** Utility relocation design, scheduling, and permitting for water mains and wastewater force mains along U.S. 98 to accommodate roadway capacity improvements. The water mains ranged in size from 4-inch to 18-inch diameter pipes. The project was completed in accordance with FDOT standards.

#### City of Eagle Lake | Eagle Avenue Water Main; Eagle, FL | \$75,000

**Project Manager.** Water main replacement along Eagle Avenue to accommodate drainage improvements and replace an aging, undersized water main. The project included design, permitting, and construction inspection to ensure the water main was installed in accordance with specifications and permit requirements.



## Sanjay Puranik, PE

### TECHNICAL ADVISOR – ASSET MANAGEMENT

**OFFICE LOCATION**  
Atlanta, GA

**EDUCATION**  
Master of Engineering, Environmental Engineering, University of Florida  
MS, Environmental Engineering Sciences, University at Buffalo  
MS, Analytical Chemistry, University at Buffalo  
BS, Chemistry, University of Bombay

**YEARS OF EXPERIENCE**  
Total 31  
BV 1

**PROFESSIONAL REGISTRATION**  
■ PE – FL (59470)

Sanjay Puranik is the Southeast United States Regional Asset Management Leader for Black & Veatch’s Asset Management Group and has over 23 years of experience specializing in utility asset management. His expertise includes risk and sensitivity analysis, geographic information systems (GIS), water resources planning, data collection and management, software requirements and application development, and data modeling and database design.

**Polk County Utilities | CMMS Procurement & Implementation; Polk County, FL | \$629,700**

**Asset Management SME.** Served as a project manager for Polk County Utilities and lead a team of internal and external support groups and stakeholders for selection and implementation of the Lucity CMMS solution.

**Polk County Utilities | Asset Management Strategic Program Development; Polk County, FL | \$125,000**

**Asset Management SME.** Lead the project to develop a tactical asset management plan for Polk County’s wastewater treatment facilities. The condition assessment and consequence of failure criteria developed for County’s vertical assets were applied to two wastewater facilities as a pilot study. The resulting risk analysis identified assets in critical need of replacement and proactive maintenance.

**Jefferson County | Wastewater Collection System Asset Management Program; Birmingham, AL | \$13 million**

**Asset Management SME.** Established a comprehensive asset management program with processes and procedures to perform collection system condition assessments (CCTV, manhole inspections, life-cycle cost analysis), and perform risk analysis to identify and prioritize assets for replacement and proactive maintenance.

**Broward County Water & Wastewater Services Division | Phase IIA Asset Condition Assessment; Broward County, FL | \$465,000**

**Asset Management SME.** Led the programming team to develop a facilities’ Asset Management and Decision Support (AMDS) tool to perform condition assessments and risk analysis. The tool was used to review drawings and specifications, perform condition assessments, and upload photos and videos in real time to a central database. The findings were used to prioritize assets for renewal and replacement (R&R) projects.

**Palm Beach County | Water and Wastewater Asset Management Updates; Palm Beach County, FL | \$255,000**

**Asset Management SME.** Involved in various aspects of the County’s Asset Management Plan, including development of key performance indicators (KPI) and gap analysis to support the metrics calculations. A business case evaluation (BCE) tool was developed to enable the County to evaluate various project alternatives based on economic, environmental, regulatory, and safety criteria. A user guide and training sessions have enabled the County staff to use the tool easily for various applications.



## Rasesh Shah, PE

### TECHNICAL ADVISOR – WATER & WASTEWATER DESIGN

#### OFFICE LOCATION

Orlando, FL

#### EDUCATION

MS, Environmental Engineering,  
University of Central Florida

BS, Civil Engineering,  
Sardar Patel University (India)

#### YEARS OF EXPERIENCE

Total 22  
BV 2

#### PROFESSIONAL REGISTRATION

- PE - FL (68314)

Rasesh Shah has 20 years of experience in the municipal & industrial water & wastewater engineering consulting industry. Rasesh has worked on water, wastewater, and supplemental reclaimed water treatment plant design/expansion projects, potable water aquifer storage and recovery well & treatment system design, chemical feed and storage system designs, alternate sewer system studies, pipeline and pump station designs, utility relocations, utilities master plans, and hydraulic modeling.

#### Toho Water Authority | Richard McLaughlin Water Treatment Plant Well and Raw Water Main; FL | \$227,000

**Project Manager.** Construction of a new raw water supply well RM-3 and 5,000 LF of 16-inch raw water transmission main to serve the Richard McLaughlin WTP (RMcWTP). The well was constructed on a parcel west of Thacker Avenue and south of Carroll Street in Kissimmee, FL. The well has a final casing diameter of 24 inches, equipped with a vertical turbine well pump rated at 3,500 gpm, and connected to the RMcWTP via 16-inch diameter raw water transmission piping.

#### Polk County | Northeast Regional Wastewater Treatment Facility Expansion; Polk County, FL | \$1.1 million

**Project Engineer.** The project involved improvements necessary to increase the wastewater treatment capacity from 3.0-MGD to 6.0-MGD. The key design components were: new screening structure, combined equalization and state of art plug flow BNR reactor, clarifier, RAS/WAS pump station, deep bed filters, sludge stabilization tanks, and modifications to existing processes for the 6.0-MGD upgrade. A WaterCAD® pressure system model was used to optimize the wastewater treatment facility expansion design.

#### City of Bartow | Lime Softening WTP Sludge Drying Beds Design; Bartow, FL | \$100,000

**Project Manager.** Scope included one lined sludge drying bed and filtrate pump station with associated piping, pad, and electrical improvements at the City's Lime Softening water treatment plant. The intent of these beds was to provide a supplemental means for lime sludge disposal for periods when normal liquid hauling and disposal operations are interrupted.

#### City of Deltona | Magdalena Well No. 48 and Raw Water Main; Deltona, FL | \$200,000

**Project Manager.** Hydrogeological design of the well, outfitting the well with a 750-gpm pump, 400 LF of 10-inch HDPE raw water pipe installed via HDD connecting with the WTP existing yard piping, relocation of corrosion inhibitor feed point, and other related civil, structural, electrical, controls, SCADA improvements. The physical well construction preceded the well outfitting and connection improvements. Two sets of final design and bidding contract documents were produced to get well drilled prior to well pump and raw water pipe installation.

#### City of Deltona | Water Treatment Plant No. 8 Lower Floridan Aquifer No. 1; Deltona, FL | \$99,000

**Project Manager.** Prepared a scope of services for equipping the Lower Floridan Aquifer Well No. 1, provide sulfide treatment, and integrating this source of supply into the existing Courtland WTP No. 8 facilities. The new well improvements included wellhead plan/profile, packaged Ozone treatment with air compressor system inside a pre-cast concrete building, yard piping, project manual, and Engineer's opinion of the project construction cost. Performed treatability testing including sampling, ozone dose testing, and analysis.



## Ed Rectenwald, PE, PMP

### TECHNICAL ADVISOR – HYDROGEOLOGY & WATER SUPPLY

#### OFFICE LOCATION

Fort Myers, FL

#### EDUCATION

MS, Geology, Florida Atlantic University

BS, Geology, University of Akron, Ohio

#### YEARS OF EXPERIENCE

Total 28  
BV 5

#### PROFESSIONAL REGISTRATION

- PG – FL (2469)
- Project Management Professional (PMP), 1965005

Ed Rectenwald has over 25 years of experience in various hydrologic, geologic, and environmental investigations. This experience includes project management, design, permitting, construction and testing of Public Water Supply Wells/Wellfields (Surficial and Floridan Aquifer System) Class I injection wells, Class V Aquifer Storage and Recovery (ASR) wells, Aquifer Recharge wells, industrial supply wells, irrigation wells, monitor wells, and rehabilitation of deteriorated wells. Ed has successfully managed the projects and teams for wellfield construction and expansion projects, ASR system construction, and lead teams during Class I and Class V injection well facility construction on numerous projects.

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#### Southwest Florida Water Management District | Feasibility of using Reclaimed Water for Aquifer Recharge in the Tampa Bay Area; Hillsborough and Polk Counties, FL | \$200,000

**Senior Technical Support.** Provided Senior Technical support for this fast tracked 6-month study, managed the preparation of the 4 reports, managed staff and coordination with the client. This detailed study was conducted to determine viable direct and indirect recharge projects within Hillsborough and Polk Counties. A detailed review of applicable state and federal regulations was performed to determine the applicable regulations required to be met for different project configurations was performed. Detailed hydrogeologic evaluations were performed examining the water quality of various aquifer zones, presence of permeable layers, and location of confining zones. The regulatory and hydrogeologic evaluations led to the identification of viable project alternatives for which preliminary engineering could be performed and cost estimates developed.

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#### Tampa Electric Company | Class 1 Industrial Injection Wells IW-1 and IW-2, Mulberry, FL | \$2.3 million

**Project Technical Lead.** Performed a key role in the management team and supervised the construction and testing of the first two permitted 8,000 feet deep injection wells in the state located at the Polk Power Station, Mulberry, Florida. The well was constructed to dispose of non-hazardous reclaimed water reverse osmosis treatment concentrate and additional process flows from the power plant. The injection well is also designed and intended for testing for the future of carbon sequestration at the facility. Ed has been responsible for selecting/scheduling staff, management of the staff, QA/QC of all scientific data collected, correspondence with the FDEP and technical advisory committee for all decisions made on the project, and assist with all general project management duties.

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#### Miami Dade WASD | Hydrogeological and Engineering Services for Production, ASR Wells Disposal, Storage, and Monitoring Well Networks; Miami, FL | \$7 million

**Project Technical Lead.** Ed is the Project Technical Lead for hydrogeologic/geologic services and consultation related to WASD's Wellfields, Injection Wells, and ASR Wells, which includes geochemical studies, groundwater modeling, monitoring, testing, permitting, design, specialized hydrogeologic oversight during construction and other services as needed.



## George Byfield

### PUBLIC INVOLVEMENT SERVICES



#### OFFICE LOCATION

Lakeland, FL

#### EDUCATION

MA, Leadership in Technical and Vocational Education and Training (TVET) And Workforce Development (WFD), University of the West Indies

Certificate Diversity, Equity, and Inclusion in the Workplace, University of South Florida, Muma College of Business

BFA Advertising and Graphic Designs, School of Visual Arts, New York, NY

AA Advertising and Graphic Designs, Edna Manley School of Arts, Jamaica

#### YEARS OF EXPERIENCE

Total 23

George Byfield is a Marketing and Brand Development Consultant with Comet Media Group, LLC in Lakeland FL. He drives brand campaign launch and awareness for small and medium-size businesses. He has collaborated with CEOs and marketing team in healthcare, higher education, tourism, finance, agriculture, technology, retail, bio-tech and non-profits to identify new revenue streams, niche media placement, and create integrated marketing campaigns to increase audience acquisition, audience retention and revenue.

**The University of the West Indies, School of Education | Caribbean TVET Conference, brand and marketing communications consultant; Jamaica**

**Marketing Communications Consultant.** Developed and delivered an online conference branding and marketing communications strategy for the fifth and sixth Caribbean TVET Virtual Conference. Lead conference team in creating all online, print, TV, press releases, and social media material including Zoom background for each presenter.

**Florida Department of Health | Marketing, Branding and Creative Consultancy; St. Lucie County, FL**

**Marketing Consultant.** Developed new brand and communication strategy for St. Lucie County Teen Zone to launch teen pregnancy prevention awareness online media campaign across all social and online media platforms.

**St. Lucie County | COVID-19 Vaccination Marketing, Branding and Creative Consultancy; St. Lucie County, FL**

**Marketing Consultant.** Researched and developed the COVID-19 vaccination integrated strategic communications plan, aimed to engage the diverse citizens/ communities in St. Lucie County, through a communication mix of traditional advertising, digital marketing, and public relations to provide a clear and consistent message to key stakeholders.

**Family Worship Center (FWC) | Branding and Online Marketing; USA**

**Online Marketing and Branding Consultant.** Developed new branding and mobile/online worship experience for FWC's existing members – adding new virtual personal experiences for local, national, and international visitors.

**The University of the West Indies, School of Education | Branding and Marketing Communications; Jamaica**

**Branding and Communications Consultant.** Work with the School of Education (SOE) team in developing and implementing an integrated marketing communications campaign to boost registration for the M.Ed. Summer and Online Programmes. Target audience was students wishing to pursue online classes from across the Caribbean, Japan and China. Campaign collected responses across all print and online engagements.



## SONNY FORNOLES, RA, AIA

*Senior Associate, Senior Project Manager*

**EDUCATION** - University of Hawaii - Master of Architecture; University of Florida - Bachelor of Architecture

**LICENSES/REGISTRATIONS** - Architecture: State of Florida – No. AR94278

Sonny Fornoles has 25 years of experience providing professional architectural services to various clients and joined the Borrelli + Partners team in 2018. He has project management experience in all phases – programming, conceptual design, construction documents, and construction administration. He has managed multiple projects simultaneously and efficiently, while maintaining and developing strong client relations.

### PROJECT EXPERIENCE

Mr. Fornoles has been responsible for various phases of the following projects:

#### **Polk County, Development of Public Defender's Offices, Bartow, FL**

Project Manager | \$23,953 Design

Through our continuing contract with Polk County, B+P was selected to provide architectural and engineering services for the development of six Public Defender's offices at the Polk County Courthouse. The offices were developed on the 3rd floor of the Courthouse, within an existing +/- 3,000 SF space. The work included architecture, mechanical, electrical, plumbing, fire protection, technology, and limited structural engineering.

#### **Polk County, Saddle Creek Maintenance Office, Lakeland, FL**

Project Manager | \$69,265 A/E Design

Through our continuing contract with Polk County, B+P was selected to provide architectural and engineering services for the existing building assessment and conceptual site plans for the Parks and Natural Resources Saddle Creek Park 2,400 SF maintenance office building. The assessment's purpose is to examine the required renovation, code upgrades, and proposed expansion to determine the required renovation and development of the cost of corrective measures. Based on the findings, the project would proceed with conceptual site and building floor plans for the Parks & Natural Resources (P&NR) Saddle Creek Park.

#### **Brightline Trains, Station at Orlando International Airport, Orlando, FL**

Project Architect | \$10 Million

B+P was selected in collaboration with Big Time Design to prepare construction documents for the Brightline Train Station within the Intermodal Transportation Facility at the Orlando International Airport. The beautiful station features a spacious and inviting lounge for travelers equipped with charging stations, TVs, and Wi-Fi. The station also features a sit-down bar, a market store, a children's play area, meeting rooms, self-service kiosks, luggage checks, turnstiles, and ticket purchasing stations.

#### **Brightline Trains, Vehicle Maintenance Facility at OIA, Orlando, FL**

Project Manager | \$80 Million

B+P was selected to prepare and provide preliminary architectural plans and reports at a 30% construction document level for a new train maintenance facility located about 1.5 miles southwest of the Orlando International Airport (OIA). B+P was subsequently hired as the Architect of Record for the construction of the facility. The design consists of 3 new buildings on the site and includes specific functions that are related to its use such as All Aboard Florida Offices, Maintenance, Operations, Commissary and Building Support functions. These buildings include a 185,000 SF Maintenance Building, a 2,200 SF Wheel Truer Building, and a 4,300 SF Train Wash Building.

#### **City of DeBary, Fire Station No. 9, DeBary, FL**

Project Manager | \$2.6 Million

B+P is providing Architecture, Interior Design, and Landscape Architecture services for the City of DeBary's new Fire Station No. 9. The 7,000 SF fire station will include 2 apparatus bays with plans for a future third bay as well as first responders living quarters. The living quarters will include individual bunks, shared restrooms, training and fitness areas, kitchen, and day room. A new diesel fueled generator to provide emergency power for the facility and new site is anticipated. The apparatus bays will be heated and will contain a vehicle fume detection system that operates ventilation fans and doors for a higher level of life safety.

# John Delashaw, PE, MAT

## Principal, Geotechnical Engineer



Mr. Delashaw currently serves as Vice-President and is the project principal and/or technical lead for most of the company's geotechnical projects. Much of his over 33 years of geotechnical engineering experience has been gained from working on projects in the areas of: dam design and evaluation; shallow and deep foundation systems; earthworks and site development; soil improvement techniques; specialty soil sampling; sinkhole investigation, evaluation and stabilization, and roadway soil.

His primary experience includes project management, contract management, technical direction of geotechnical engineering projects, geotechnical field investigations, and analyses for numerous public and private sector clients. He is responsible for staffing and resource management and reviewing engineering evaluations for geotechnical investigations in addition to numerous subsidence investigations. He often provides expert witness testimony on forensic projects and is in responsible charge of numerous soil stabilization projects.

## Project Experience

**Harden Boulevard Access Road, Polk County, FL | Geotechnical Principal-in-Charge.** Project consisted of geotechnical investigation, design and construction plans to construct an approximately 600 foot long access road that progresses east from Harden Blvd. through former phosphate mined lands to provide access to a new development (residential and/or commercial) in Lakeland, Florida. Madrid CPWG was requested to provide a geotechnical design for a stable, permanent platform for roadway embankment construction along the proposed access road alignment. Madrid CPWG's design included CSV (cement stabilized vertical) columns combined with a load transfer blanket (LTB) consisting of multiple layers of biaxial geogrid interbedded with compacted sandy fill. The system will distribute and transfer roadway, embankment, and vehicle loads to more competent soils at depth. The combined system provides a more uniform load response to the roadway embankment. Value of Project: \$68,000

**Polk County, West Lake Eloise Drive Resurfacing Project, Winter Haven, FL | Geotechnical Principal-in-Charge.** This Polk County project included a section of road that overlies a thick peat layer that has a history of on-going settlement. Additional pavement has been added over time to try to keep the pavement above the seasonal high water level without success as the road continues to flood. Madrid investigated the site then recommended and designed a roadway cross-section that included excavation of the pavement section and installation of about 3 feet of lightweight cellular concrete allowing us to raise the roadway about 1 foot above the high water mark while also slightly unloading the organic soils that were too deep to excavate. By reducing the total load on the organics future settlement is nearly eliminated. Analyses included buoyancy calculations to ensure that the lightweight concrete would have sufficient pavement weight above it to avoid "popping out of the ground". Value of Project: \$55,000

**Grandview Parkway, New Roadway and Bridge over I-4, Polk County, FL | Project Principal.** Oversee geotechnical design and recommendations for a 3000 ft. new 2-lane roadway that includes a 600 ft. bridge over I-4 near Davenport, Florida. The project includes embankment, MSE walls, bridge pilings and stormwater ponds and some of the alignment crosses an existing wetland and organic deposits. Project challenges included high settlement estimates and remediation of a relic sinkhole found along the wall alignment. Value of Project: \$87,000



### Years of Experience

- 33 Years

### Education

- B.S., Civil Engineering, San Diego State University

### Professional Registration

- Professional Engineer, Florida # 48154 (1986)

### Additional Certifications

- Properties of Fills for MSE Walls – ASCE Webinar, January 2018
- Geo-Frontiers Conference – 2011 (Paper presented at conference – published in proceedings– June 2017)
- Geotechnical and Materials Engineers Conf. ('98,'01,'04,'07,'10,'11,'12,'13,'14,'16,'17,'18,'19)
- Florida Dam Safety Annual Conference 1997 through 2004 (technical presenter 1999 & 2003)



**Jason Stanley  
Vice President**

Contract Role: SUE Lead

Years' Experience: 23

Availability: 60%

Office Location: Tampa, FL

**Education**

- Associates of Applied Science (AS), Design Technology, ITT Technical Institute

**Professional Registrations/Licenses**

- Florida Department of Environmental Protection, Erosion and Sedimentation Control, Lic#435

**Certifications/Training**

- Transportation Worker Identification Credentials (TWIC)
- Florida Phosphate Producers
- Intermediate Maintenance of Traffic
- US NAVY Veteran, Operation - Specialist A-School Training

**Summary of Experience**

Mr. Stanley has over 23 years of experience providing subsurface utility engineering (SUE) professional services, in addition to providing management support for surveying and mapping services throughout the state of Florida. Mr. Stanley spent his entire working career dedicated solely to risk management and the protection and construction of public and private infrastructure, specifically through Subsurface Utility Engineering and Survey processes.

Mr. Stanley's extensive experience working with a wide range of clients in both the public and private sectors has provided him with a diverse background and exposure to potential public and utility related issues that may present themselves during a contract. His experience includes project management, finance, subsurface utility engineering, surveying and mapping, utility/roadway design and construction, water/wastewater treatment and nuclear energy plants, permitting and construction claims.

Mr. Stanley will serve as SUE lead on this contract and provide proactive, hands on review of all SUE Task deliverables ensuring continuity and consistency of the processes and products amongst the valued ECHO team members.

**Significant Projects**

**Polk County NERWWTF Clarifier Addition, Polk County, FL:** Mr. Stanley served as the SUE lead for this project which 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. Cost: \$75,600

**Polk County NE2 & NW Generators Site Improvements, Polk County, FL:** Mr. Stanley served as SUE lead for this project where ECHO provided Subsurface Utility Engineering and Topographic Survey services which resulted in designating and locating the position of underground utilities located at the project generator sites defined within the project scope. Cost: \$14,975

**Thompson Nursery Road, Polk County, FL:** Thompson Nursery Road is a proposed four-lane urban collector roadway located to the south of Winter Haven. The corridor limits of the Project are from the intersection of US 17 @ SR 540 to the intersection of Thompson Nursery Road @ West Lake Ruby Drive. This project consists of the final design and construction of this new roadway. ECHO was requested to provide survey, subsurface utility engineering, and utility coordination services. Mr. Stanley currently serves as SUE lead. Cost: \$20,000 (To Date – Ongoing)

**West Pipkin Road Widening Project, Polk County, FL:** Mr. Stanley served as the SUE Project Manager for this project where ECHO provided Subsurface Utility Engineering services, which included designating and locating the position of underground utilities in areas where design elements were in potential conflict with utilities. Cost: \$125,000

**US 92/SR 600 at Fish Hatchery Road, Polk County, FDOT District 1:** Mr. Stanley served as SUE QA/QC for this design project in which ECHO was responsible for establishing horizontal and vertical control, retracing the historic alignment, R/W calculation from record information (R/W maps, plats, last deed of record), topographic survey, survey of geotechnical borings and designating (CI/ASCE 38-02 Quality Level B) and locating (CI/ASCE 38-02 Quality Level A) subsurface utility engineering. Cost: \$135,100



## EDWARD GIESE, PE

### Roadway

Eddie is a Senior Roadway Engineer with Patel, Greene and Associates (PGA). He has more than 17 years of experience in highway and transportation facility design. He has been responsible for production of construction plans, horizontal and vertical geometry, cross section design, 3D modeling, pavement selection and design, maintenance of traffic (MOT), design and documentation for erosion control, design and plans for signing and pavement markings, right-of-way plan development, and project scheduling. He also provides quantity computations, specifications, and special provisions, and engineer's estimates, conceptual, preliminary, and final engineering tasks.

### Education

B.S., Civil Engineering, University of Maryland, 2006

### Registrations/Licenses

Professional Engineer, Florida, 88200, 10/10/2019

Professional Engineer, Pennsylvania, 079074, 06/29/2011

### Certifications

FDOT Advanced MOT  
FDOT Specifications  
Bentley ORD Accreditation

### Work Experience

Patel, Greene and Associates  
2019 - Present

RETTEW Associates  
2011 - 2019

Atkins North America  
2006 - 2011

### Contact

12570 Telecom Dr  
Tampa, FL 33637  
813.978.3100  
eddie.giese@patelgreene.com

### Experience

**SR 29 From CR 846 E to N of New Market Rd, Collier County, FL, FDOT District One, Roadway Engineer:** This project involved the design of a new, 3.35-mile four lane bypass road for the City of Immokalee to improve the mobility and connectivity within the regional transportation network. The contract required significant coordination with local stakeholders to develop the most economical approach to provide water quality treatment for the corridor. Eddie was responsible for completing 3D design. **Project Size: \$6M**

**Legacy Trail Bridge from N of Laurel Rd to S of Laurel Rd, Sarasota County, FL, FDOT District One, Roadway Engineer:** PGA was the prime design consultant for this project, converting the at-grade crossing of Legacy Trail and Laurel Rd to a trail bridge overpass. The unique design allowed for trail access to be maintained at all times during construction, removed the skew at the crossing of Laurel Rd, and preserved historical monuments. Eddie was responsible for leading 3D tasks during completion of the alternatives analysis. **Project Size: \$2.4M**

**SR 64 at Lorraine Rd and SR 64 at Greyhawk Blvd, Manatee County, FL, FDOT District One, Roadway Engineer:** PGA was the prime consultant on these projects designing multi-lane roundabouts to improve safety and accessibility along SR 64. The scope of work included major reconstruction of multiple intersections, right-of-way acquisition at the Lorraine intersection, drainage improvements, and utility coordination. **Project Size: \$1M**

**Continuing Services – Resurfacing Design, FDOT District One, Roadway Engineer:** 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. Eddie is providing support for roadway production and documentation for tasks assigned through this contract. **Project Size: \$5M**

**Seminole Expressway (SR 417) from MP 38.0 to MP 44.5, Seminole County, FL, Florida's Turnpike Enterprise, Roadway Engineer:** This project improves the ride quality and safety conditions along Seminole Expressway by milling and resurfacing the existing northbound and southbound roadways, all ramps, all existing shoulders, and incorporating safety and design criteria upgrades. PGA is the prime consultant leading the roadway, drainage, structures, traffic, and environmental efforts. Eddie is providing support for the production of 3D models on this project. **Project Size: \$1.8M**



## Duane Yazzie, MS-GIST, GISP

### GIS ANALYSIS

#### Mapping Enterprise, LLC

#### OFFICE LOCATION

Bartow, FL

#### EDUCATION

MS, Geographical Information Systems Technology (MS-GIST), University of Arizona, Tucson, Arizona

Bachelors of Information Engineering Technology (BIET), Florida Atlantic University, Boca Raton, Florida

AS, Computer Information Technology, Indian River State College, Fort Pierce, Florida

AA, Engineering, Indian River State College, Fort Pierce, Florida

#### YEARS OF EXPERIENCE

Total 15

Duane Yazzie is the owner/operator of Mapping Enterprise, LLC. He is familiar with ESRI Enterprise high-availability, distributed, federated GIS Portal systems including datastore, IIS, ESRI Enterprise servers Portal, Advanced Server, Standard, Image, Geo-analytic servers. He is also familiar with upgrades, patches to ESRI Enterprise architecture. Familiar with Enterprise SQL databases geospatial environments. He has experience providing support for online in-house and AGOL (ArcGIS Online). He has provided high-quality training, support, and expertise to GIS stakeholders regarding Enterprise administration as well as end user Portal architecture components and ArcGIS Desktop/Catalog, ArcPro, Collector/Field Maps, Survey123, Dashboards, Groups, Membership, Content, licensing. Familiar with VM servers – Web/IIS, Portal, Server, Hosting, Image, Geo-analytics, Relational/Tile Cache/Spatial Temporal data-stores and file shares. Duane is familiar with automation and scripting through the use of the Python programming language.

#### Polk County Board of County Commissioners | GIS Analyst; Polk County, FL

**Systems Analyst GIS.** Manage High-Availability, distributed, federated GIS Portal systems. Manage Datastore, IIS, ESRI Enterprise servers (Portal, Advanced Server, Standard servers as well as Image server, Geoanalytic servers) for multiple environments. Successfully upgraded the ESRI Enterprise Base Deployment architecture from 10.2 to 10.7.1 and then to 10.9.0. Led the definition of requirements for the migration of legacy GIS-centric, Enterprise SQL 2019 databases as well as provided direct assistance in the migration. Led the migration of multiple legacy online viewers to the current platform. Offer high-quality training, support, and expertise to the GIS user community including supervisors, and management. Additional end user Portal architecture components supported: ArcGIS Desktop/Catalog, ArcPro, Collector/Field Maps, Survey123, Dashboards, Groups, Membership, Content, licensing. Administrative Portal architecture components supported: VM servers – Web/IIS, Portal, Server, Hosting, Image, Geo-analytics, Relational/Tile Cache/Spatial Temporal data-stores, file shares for production, staging and previously damage recovery environment. Administration of ArcGIS online environment supporting county-wide users as well as collaboration and support of external entities within the public sector. Successful implementation of automation and scripting through the expert use of the Python programming language. Stewardship of taxpayer dollars through continuous analysis, implementation, and monitoring of security strategies specific to the GIS environment.

#### St. Lucie County Fire District | GIS Analyst; St. Lucie County, FL

**GIS Analyst.** Assembled map data as part of the initiative the fire district has for seeking higher Center for Public Safety Excellence's (CPSE) Agency Accreditation rank for Saint Lucie County. Additionally, in parallel GIS duties include obtaining GIS data for the Insurance Services Office (ISO) accreditation. Other duties consist of emergency response for 911 calls through Computer Aided Dispatch (CAD) GIS analysis. Map analysis for fire rescue, map creation for 17 stations. Additional duties included, IT support. Periodically, duties include tower climbing to install 911 communication equipment as a certified rescue/climber. Collaborate with inter-jurisdictional city, county and state agencies. Train GIS end users.



**Alan L. Rayl, PE, PSM**  
*President/Owner*



Alan Rayl has been a Registered Professional Engineer in the State of Florida since 1991 and has also been a Registered Professional Surveyor and Mapper in Florida since 1997. Alan founded Rayl Engineering and Surveying, LLC on August 24, 2009.

**Professional Registrations**

Florida Registered Professional Engineer #44116  
 Georgia Registered Professional Engineer #28580  
 Indiana Registered Professional Engineer #920107  
 Florida Registered Professional Surveyor and Mapper #5736  
 FDEP Certified Stormwater Inspector #5386

**Education**

Bachelor of Science, Civil Engineering - Purdue University 1987

**Special Qualifications**

- Former County Engineer for Polk County Land Development Division
- More than 40 years of experience, encompassing commercial, residential, municipal, and transportation facilities in the Midwest, South and Central Florida, and the Caribbean.
- Experience managing and performing all types of public and private land development projects, from initial appraisals and master planning through preparation and design of construction documents, construction observation, and certifications.
- Direct experience with regulatory programs of local municipalities and Counties and the State of Florida Water Management Districts, as well as the Florida Department of Environmental Protection, FEMA, and the U.S. Army Corps of Engineers affecting stormwater, water and sewer utilities, and wetlands.

**Professional Organizations and Memberships**

Polk County Builders Association, Member (2009-present), Board Member, (2019-2021), 1<sup>st</sup> Vice President 2021, Governmental Affairs Co-Chair (2010-2011), Chair (2019-2021), **President (2023)**  
 Florida Engineering Society, Ridge Chapter, Vice President (2008-2009), State Director (2010), **Engineer of the Year (2010)**, President, (2009-2010 & 2015-2016), **Engineer of the Year (2022)**  
 Commissioner, City of Bartow CRA, 2009-2017; Chairman, 2011-2012, 2012-2013, 2016-2017  
 Florida Stormwater Association, Conference Committee Member (2016-2021)  
 Florida Redevelopment Association, Committee Member (2019)  
 Florida Surveying and Mapping Society, Ridge Chapter  
 Past Member, International Council of Shopping Centers  
 Member, Polk County Utility Code Update Stakeholders Committee (2010-2011)  
 Member, City of Lakeland Subdivision Code Update Committee, 2011  
 Member, City of Bartow Gateways Project Committee, 2011  
 Member, City of Bartow Focus Group, 2020 - present  
 Graduate, Leadership Bartow, Class XIII, 2008-2010  
 Graduate, Leadership Polk, Class IV, 2010-2011  
 Leadership Polk Alumni Association, Steering Committee, 2011-2020; Membership Committee Chair, 2016-2020  
 Bone Valley SAS Focus Group  
 ACE Mentor Volunteer (2018)  
 Polk County School Board Volunteer  
 Lake Wales Area Chamber of Commerce, Member  
 Greater Mulberry Chamber of Commerce, Board Member, 2008-2016; President, 2012  
 Dundee Area Chamber of Commerce, Board Member, 2019  
 Fort Meade Chamber of Commerce, Member  
 Winter Haven Chamber of Commerce, Member  
 Bartow Chamber of Commerce, Member; Board Member, 2016-2020  
 Hardee County Chamber of Commerce, Member  
 Member, Mainstreet Bartow

## KEY SUBCONSULTANTS

Black & Veatch recognizes that our business partners are a valuable resource and an integral part of the project team. The strengths of firms of varying specialties supporting one another and communicating effectively provide great benefit to Polk County projects. Black & Veatch strives to offer such significant and challenging responsibilities to our teaming partners and fosters open communication strategies among all project stakeholders. The Black & Veatch team is supported by seven subconsultants who all either have local offices in Polk County and are Polk County “entities” or are women or minority owned businesses.

### Borrelli + Partners

*Architectural Services (including landscape architecture)*

Established in 1968, Borrelli + Partners, Inc. (B+P) is a professional Florida-based corporation consisting of architects, planners, landscape architects, and interior designers. B+P is MBE, DBE, and SBE certified throughout the state with various entities. During the company’s 55-year tenure, the firm’s extensive track record in performing architectural design services for municipal and government clients has made up over 90 percent of its services. B+P’s design portfolio spans diverse industries, including transportation, aviation, industrial, convention and performing arts, commercial and mixed-use, recreation and wellness, law enforcement and judicial, park and trail planning, K-12 and higher education, and medical/health care. To date, the company has provided design services for over 20 water, wastewater, and water reclamation facilities. B+P’s services also include landscape architecture and has extensive experience with all aspects of that service. B+P currently holds a continuing architectural services contract with Polk County. Through this contract, the company has been awarded the following projects:

- Development of Public Defender’s Office at the Polk County Courthouse
- Saddle Creek Maintenance Office



### Comet Media Group

*Public Involvement Services, including technical assistance for preparation of public information brochures*



The Comet Media Group is a Polk County Entity and a certified MBE enterprise, that has been providing marketing departments and advertising agencies with creative production services for nearly two decades. Today, Comet Media Group is still an independently-owned marketing consulting agency with offices in Lakeland and the Caribbean. The company provides a full suite of integrated marketing services, from digital solutions such as website and content development, Google Ads campaign management, SEO services, and social media management to print solutions such as billboards, print ads, custom publishing, public relations, media production and more. Comet Media Group provides the with the marketing needs for a roster of local and regional clients and provides an equal mix of business-to-business and business-to-consumer marketing strategies.

## Echo Utility Engineering & Survey

*Land Surveying;*

*Subsurface Utility Engineering and Locating*



ECHO UES, Inc. (ECHO) was founded by a group of partners with civil engineering, surveying, construction, and utility/GIS backgrounds, 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 has provided its services for over six years and currently has three offices in Florida located in Tampa, Orlando, and Gainesville. ECHO currently employs 111 full-time employees and has 34 field crews that are available to provide services for this contract.

ECHO was founded in 2017 to provide subsurface utility engineering, survey and mapping professional services throughout Florida for a variety of projects, assisting owners, engineers and constructors improve their 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 its service offerings.

ECHO provides services for the study, analysis and depiction of existing underground utilities potentially impacted by a project, in addition to the collection of accurate topographical and specific purpose surveys to represent the above ground site conditions.

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. Once collected, the field data is reviewed and processed, and our final deliverables consist of 3D digital representations of the site conditions above and below ground.

ECHO works on many different types of projects, including water, wastewater, and reclamation facilities.

### **Polk County Experience:**

- Polk NERWWTF Clarifier Addition
- New Utility Installation at the Polk County Jail
- Polk County Utilities Wetland Monitoring Survey
- Lake Victoria - Polk County Drainage Improvements
- Thompson Nursery from US 17 @ SR540 to Thompson Nursery Rd @ West Lake Ruby Dr - Polk County
- Crooked Lake Park Receivership - Polk County
- Tierra Del Sol Blvd/Central Grove Rd Intersection - Polk Co
- Driftwood Drive Drainage Improvements - Polk County
- Polk County NERWWTF Electrical Upgrades
- Rockledge Road Bridge Replacement 164138 Polk Co
- West Pipkin Road Widening Project, Polk County, FL

## Madrid Engineering/CPWG

### *Geotechnical Engineering*



Madrid Engineering Group, Inc., d/b/a/ Madrid CPWG is a Polk County-based engineering company established in 1992 and located in Bartow for 25 years. The company's specific expertise includes full service professional geotechnical engineering along with construction materials testing, and construction engineering inspection (CEI) services. In addition, Madrid/CPWG has specialty service departments such as drilling services, laboratory testing, and other support services. The corporate office is located in Bartow, with additional Madrid CPWG offices in Tampa and Winter Springs. Madrid CPWG is a certified MBE by the State of Florida with other small, minority and/or disadvantaged business certifications from entities such as the FDOT, Federal SBA, as well as several county and city governments.

The overall company has nine technical divisions. The GeoSciences Group includes four of those divisions and essentially runs out of the Bartow Office. The GeoSciences Group Divisions include Geo-Engineering, Structural/Forensics, CEI/CMT and Drilling. Madrid CPWG's expertise is based on the technical knowledge and experience of its employees, whose diverse backgrounds include the specialties of geotechnical engineering, structural engineering, materials science, geology and field exploration and testing. Their professional staff is complemented by soils and construction field and lab technicians; a versatile fleet of company owned drill rigs and CPT equipment; a full-service geotechnical laboratory and a full-service construction materials testing (CMT) laboratory. Madrid CPWG has completed nearly 10,000 projects throughout Florida, most drilled using in-house drilling services.

Madrid CPWG's geotechnical and CMT laboratories and tests performed are certified under AASHTO R18 and accredited by the Construction Materials Engineering Council (CMEC). The company performs 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. Madrid CPWG is also a W/MBE firm with the State of Florida UCP and many other agencies, as well as a Small Business with the South Florida Water Management District and other agencies.

## Mapping Enterprise LLC

### *GIS Analysis, SDE Management and GIS database maintenance and support capabilities*

Mapping Enterprise, LLC is familiar with ESRI Enterprise high availability, distributed, federated GIS Portal systems, including datastore, IIS, ESRI Enterprise servers Portal, Advanced Server, Standard, Image, Geo-analytic servers and keeps up to date with upgrades and patches to ESRI Enterprise architecture. The company's experience includes administering Enterprise SQL databases geospatial environments, support for online in-house and AGOL (ArcGIS Online). Their services include high-quality training, support, and expertise to GIS stakeholder regarding Enterprise administration as well as end user Portal architecture components and ArcGIS Desktop/Catalog, ArcPro, Collector/Field Maps, Survey123, Dashboards, Groups, Membership, Content, licensing. Mapping Enterprise, LLC has experience with VM servers – Web/IIS, Portal, Server, Hosting, Image, Geo-analytics, Relational/Tile Cache/Spatial Temporal data-stores and file shares. The company also has experience with automation and scripting using the Python programming language.

Mapping Enterprise, LLC has recently been approved as an MBE in Polk County. Owner Duane Yazzie was previously employed as the GIS administrator to the Polk GIS enterprise system for Polk County for over four years and has been involved with government IT/GIS since 2008 for various entities within Florida.

## Patel Green & Associates

*Civil Engineering; Right-of-way and Easement Acquisition Services;  
Property Research/Title Search Easement*



Patel, Greene & Associates, LLC (PGA) is a leading transportation design and planning firm that was founded in 2011. A registered DBE, PGA provides transportation engineering solutions for the Florida Department of Transportation (FDOT), Polk County, and other municipalities throughout Florida. They are leaders in innovative roadway, drainage, structures, site/civil, and traffic engineering, as well as environmental, planning, PD&E, and landscape architecture. The firm has managed, designed, and reviewed projects ranging from sidewalks to resurfacings and from widenings to multi-level interchanges, as well as new alignments including segments of Central Polk Parkway, and Ernest Smith Blvd, both in Polk County.

Located in the heart of Downtown Bartow, PGA staff have significant experience with projects throughout Polk County and within its encompassing municipalities. PGA has regularly coordinated with County Roads and Drainage and Real Estate Services (RES). The firm's Alachua/Collier Drive Drainage Improvements and Wildwood Subdivision Drainage Improvements projects are relevant recent examples. They have also worked very closely with RES throughout their West Pipkin Road widening project. In addition, many of their staff members are lifelong Polk County residents, giving PGA a vested interest in the success of projects in the area.

## RAYL Engineering and Surveying, LLC

*Civil Engineering*



Rayl Engineering & Surveying, LLC is an S Corp business and was founded in August 2009. Alan L. Rayl, PE, PSM is the Owner and solely in charge of all management decisions. Alan opened the firm after being with other firms in the Tampa Bay and Central Florida markets since 1987. He has previously held the position of Polk County Engineer in the Land Development Division of the Office of Planning and Development. Alan is involved in all aspects of all engineering and surveying projects as well as client and customer service. He will be personally involved in all meetings, construction services, and other engineering tasks.

Rayl Engineering & Surveying, LLC provides private sector land development engineering design and permitting across Central Florida, as well as public sector consulting to many of Polk County municipalities. The company's clientele includes local developers and businesses, community development districts and property owner's associations/homeowner's associations, national home builders, the cities of Mulberry and Fort Meade, and the Town of Dundee. Their services include general civil engineering and land surveying services.

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## Amanda Schwerman, PE

### PROJECT MANAGER

#### OFFICE LOCATION

Tampa, FL

#### EDUCATION

MS, Environmental Science and Engineering, Colorado School of Mines

BS, Engineering, Colorado School of Mines

#### YEARS OF EXPERIENCE

Total 18  
BV 10

#### PROFESSIONAL REGISTRATION

PE – FL (70751)

Amanda Schwerman has a depth of experience in a variety of engineering projects, including Hydraulic modeling, master planning, asset management, water and wastewater treatment plants, pumping stations, and pipelines. Her involvement in these projects has included feasibility studies, facility design and construction services. Her position as Project Manager has led to her involvement in all of the projects Black & Veatch has completed under the MSA contract and enabled her to learn the County's preferences, procedures and standards.

#### Polk County | Southwest Potable Water Dynamic Hydraulic Model Update/ Verification; Polk County, FL | \$115,000

**Project Manager.** The County wished to update and calibrate the Model to enhance the County's hydraulic model tool to allow for future assessment of development-related demands and impacts on the overall system. The scope included field data collection, model update, calibration technical memorandum and users model. Amanda was also the PM for the Northwest Hydraulic Model Update and Verification; WWTF Data Collection; Level of Service Benchmarking Study; KPI and SOP Procedures; and Facility KPI Roadmap projects.

#### City of Plant City | Wastewater Master Plan; Plant City, FL | \$400,000

**Project Manager.** Plant City's Utilities Department collection system services a population of approximately 38,000 people. The goal and objective of the Wastewater Master Plan (Project) is to assist City staff in providing a reliable and robust system with adequate capacity to accommodate future growth within the City's sewer service area. Their collection system includes more than 140 miles of gravity pipes, 20 miles of forcemain, and 44 lift stations using InfoWorks ICM.

#### Tampa Bay Water | Cypress Creek Chemical Feed Systems Rehabilitation; Tampa FL | \$450,000

**Designer.** Designer for the sodium hypochlorite chemical feed system rehabilitation. Included sizing the chemical metering pumps to supply three injection points with different pressures, sizing and selecting the bulk storage tanks which resulted in two horizontal FRP tanks, layout of chemical piping, preparation of construction drawings, specifications, and cost estimates.

#### Villages of Islamorada | Conveyance Force Main DBO; Islamorada, FL | \$1,000,000

**Design Engineer.** Design engineer for 24 miles of conveyance PVC and HDPE force main with pipe sizes ranging from 10- to 18-inches. The Villages are under consent decree to eliminate package treatment and septic system within the Villages and has made an agreement to collect and convey its wastewater to the Key Largo WWTP.

#### Seminole County | Southeast Regional WTP and County Club WTP Major Upgrades; Seminole County, FL | \$750,000

**Project Engineer.** The SER and County Club projects include upgrading the two existing WTPs with ozone treatment to remove hydrogen sulfide. The SER WTP is approximately 19 MGD and the County Club WTP is approximately 7.0 MGD. She is responsible for the LOX and dissipation chamber design for each plant, as well as the transfer pump and sidestream design for the Country Club WTP. She is also responsible for coordinating with each discipline and coordinating submittals to the prime engineer.



## Steven King, PE

### DEPUTY PROJECT MANAGER

#### OFFICE LOCATION

Tampa, FL

#### EDUCATION

BS, Chemical Engineering,  
University of South Florida

#### YEARS OF EXPERIENCE

Total 23  
BV 16

#### PROFESSIONAL REGISTRATION

■ PE – FL (74954)

Steven King has gained a variety of experience in Project Management during his 23+ year career. Projects have included many different types of water/wastewater projects including: RO WTP upgrades, RO WTP studies, energy efficiency studies, WTP pump stations, Ground Storage Tanks, wastewater plant design, project management, utility investigation, water supply, pipeline design, regulatory compliance and permit preparation and review.

Steven also has extensive experience obtaining regulatory approvals for a variety of water and wastewater projects. Prior experience includes working as Permitting Supervisor during a seven-year employment with FDEP.

#### Seminole Tribe of Florida | Brighton WWTP Expansion | Brighton, FL | \$2,700,000

**Project Manager.** The project involves the expansion of a 150,000 gpd plant to 300,000 gpd. The addition of all new structures including new SBR basins, new splitter box, new influent pump station, new solids dewatering facility, new line effluent storage pond, and a new administration building. Project Management through the design, permitting, change orders and all aspects of the project. The design was completed on schedule and the project is now moving to the construction phase.

#### North Port | Water Master Plan | North Port, FL | \$500,000

**Project Manager.** The project involves a detailed water master plan for the whole city, including the existing WTP, interconnects and a future, developer-funded WTP. Project included a condition assessment of the existing facilities at the WTP, interconnects and booster pump stations. A risk based analysis of the Consequence and likelihood of failure was also included as well as detailed hydraulic analysis of the distribution system. Final project deliverable include interactive and adaptive CIP dashboards and models that can be used for future CIPs by the City.

#### Hillsborough County | NWRWRF Solids Dewatering Facility | Odessa, FL | \$1,300,000

**Project Manager.** Responsible for the design, permitting and construction phase services for the new solids dewatering facility at the Northwest Regional Water Reclamation Facility for Hillsborough County. The design includes the use of four screw presses to dewater the sludge in a new building and all of the appurtenances, including new WAS storage tanks, feed pumps, flocculation tanks, polymer feed systems, water booster pumps, electrical and I&C and two separate pump stations.

#### Toho Water Authority | Woodside Utility Relocations | Kissimmee, FL | \$350,000

**Project Manager.** Toho engaged Black & Veatch to design utility relocations due to a stormwater pipe installation by another agency. The relocations were for forcemains, watermains, and reclaimed main, in several locations. The stormwater pipe design was already complete, so our design had to advance from zero to 100% in three months. We accomplished the task and additional changes Toho added to the design on-time by bringing our Black & Veatch team to bear.



## George Schlutermann, PG

### WATER SUPPLY & HYDROGEOLOGY

#### OFFICE LOCATION

Tampa, FL

#### EDUCATION

MBA, International Business, University of Central Florida

BS, Geology, University of Florida, included graduate studies in Groundwater, Engineering Hydrology and Hydrogeology

#### YEARS OF EXPERIENCE

Total 18  
3V 1

#### PROFESSIONAL REGISTRATION

■ PG – FL  
(0001683)

George Schlutermann is a lead hydrogeologist involved in groundwater, water, and wastewater resource evaluation and development; alternative water supply project management, water and wastewater treatment facility design and permitting, reuse systems design and permitting, water quality studies, shallow and deep aquifer water well drilling, project supervision and management, aquifer performance testing and analysis, geophysical testing and analysis, evaluation of development impacts, and other projects related to groundwater resource development.

#### Polk Regional Water Cooperative | West Polk County Lower Floridan Aquifer Project; Polk County, FL | \$12,000

**Project Manager.** Project manager for the District, with the Polk Regional Water Cooperative (PRWC), for the design, permitting and construction of a Lower Floridan aquifer (LFA) test/production well and necessary monitoring/observation wells, aquifer yield and water quality testing, pilot testing, and the conceptual and preliminary (30%) design of a wellfield, water treatment facility (WTF), concentrate disposal well(s) and finished water regional transmission systems in northwest Polk County, preliminary rate analysis, and third party review (TPR). This area was selected because it is closest to the largest population centers in the County. This project is an alternative water supply (AWS) source and is expected to generate 15 MGD from the LFA.

#### Polk Regional Water Cooperative | Peace Creek Integrated Water Supply Plan Project; Polk County, FL | \$900,000

**Project Manager.** Project Manager for a feasibility study of the initial phase of the Peace Creek Integrated Water Supply Plan focusing on the determination of viable options to increase alternative water supplies for the Polk Regional Water Cooperative. The project includes a feasibility study comprising of eight tasks including project administration, formation of a watershed partnership, selection and evaluation of aquifer recharge sites, preparation of a preliminary design (30%) report, completion of a third-party review, development of an integrated water supply plan, site permitting, and development of a preliminary rate analysis.

#### United States Geological Survey (USGS) | Sources and Ages of Groundwater in the Lower Floridan Aquifer; Polk County, FL | \$350,000

**Project Manager.** Project Manager for a study with the USGS. The main objective of this study is to assess the sources and apparent ages of water from the productive zones within the LFA and to evaluate the lateral extent of high-yielding flow zones and flow paths by correlating hydrogeologic units within the test area. Identifying water sources and apparent ages would help determine whether the LFA is confined in the test area, while knowing the lateral extent of the productive zones would help determine whether they are localized or more regional in extent.

#### US Geological Survey | Optical Borehole Imaging Data Collection of the Lower Floridan Aquifer; Polk County, FL | \$180,000

**Project Manager.** Project Manager for a data collection effort with the USGS. The main objective is to collect OBI data in nine newly drilled monitoring wells. Provide the SWFWMD with processed optical borehole image data along with borehole geophysical data collected by the SWFWMD in the form of a borehole geophysical data display to assist in the understanding of the LFA.



## Jim Murin, PE

### POTABLE WATER TASK LEAD

#### OFFICE LOCATION

Orlando, FL

#### EDUCATION

MS, Environmental  
Engineering,  
University of  
Michigan

BS, Civil Engineering,  
Virginia Tech

#### YEARS OF EXPERIENCE

Total 31  
BV 1

#### PROFESSIONAL REGISTRATION

■ PE - FL (64103)

Jim Murin is a Civil and Environmental engineer with 31 years of experience in the environmental engineering consulting industry, including over 18 years in Florida. With a focus on water and wastewater utilities, Jim's technical background includes projects for process design, water chemistry, regulatory compliance, master planning, industrial wastewater and operational troubleshooting. As the leader of various client management and service teams, Jim has overseen major design and construction projects for clients across central Florida, including advanced water and wastewater treatment facilities and complex utility master plans.

#### Seminole County Environmental Services Department | Southeast Regional WTP Improvements; Seminole County, FL | \$2.4 million

**Principal-in-Charge.** Responsible for the preliminary, final design and permitting of the approximately \$23 million dollar treatment expansion to Seminole County's 19.4 MGD WTP utilizing ozone treatment and granular activated carbon for removal of TOC and compliance with EPA's Stage II Disinfection By-products Rule. The design included retrofitting existing buildings with new ozone equipment as well as complete replacement of the gas chlorine system with a sodium hypochlorite chemical system. Additional treatment was achieved through a split-stream GAC design to remove TOC. All improvements were implemented while maintaining the existing treatment plant's capacity and treatment required to sustaining potable water to the service area.

#### Seminole County Environmental Services Department | Country Club WTP Improvements; Seminole County, FL | \$1.8 million

**Principal-in-Charge.** Responsible for the preliminary, final design and permitting of the approximately \$14 million dollar treatment expansion to Seminole County's 10.0 MGD WTP utilizing ozone treatment and granular activated carbon for removal of TOC and compliance with EPA's Stage II Disinfection By-products Rule. The design included retrofitting existing buildings with new ozone equipment as well as complete replacement of the gas chlorine system with a sodium hypochlorite chemical system. Additional treatment was achieved through a split-stream GAC design to remove TOC. All improvements were implemented while maintaining the existing treatment plant's capacity and treatment required to sustaining potable water to the service area.

#### Manatee County | Groundwater RO Pilot Study; Manatee County, FL | \$0.6 million

**Project Manager.** Responsible for 3-month pilot study of reverse osmosis system for treatment of groundwater for potable use via a new facility. Led the development of project plan and study implementation, as well as troubleshooting of process issues associated with unusual water quality at the site. Developed report summarizing pilot study results, proposed design criteria, and assisted in the development of basis of design information for the full-scale facility.

#### City of Clearwater Utilities | Morningside Water Quality Analysis and Flushing Program; Clearwater, FL | \$70,000

**Project Manager.** Project Manager for study of water quality issues observed in Morningside area of City's potable distribution system. Analysis included use of hydraulic models to assess WTP influences on areas, and evaluation of potential solutions. Principal-in-Charge for a localized unidirectional flushing program designed and implemented to address the increased water quality customer complaints studied in first Phase of project. The project included design of a UDF program for the small area of the city and coordination of flushing activities.



## Mike Tache, PE

### WASTEWATER TASK LEAD

#### OFFICE LOCATION

Tampa, FL

#### EDUCATION

MS, Environmental Engineering,  
University of Massachusetts – Amherst

BS, Civil Engineering,  
University of Massachusetts – Amherst

#### YEARS OF EXPERIENCE

Total 20  
BV 17

#### PROFESSIONAL REGISTRATION

- PE – CA (79147)
- OSHA Certified Construction Safety and Health,

Mike Tache is a Senior Project Engineer with nine years of experience performing feasibility studies and providing design, construction, and startup support services for water and wastewater treatment facilities. He has worked on the design of premier advanced reuse and wastewater plants with Black & Veatch.

#### Pasco County | Embassy Hills WWTF Master Planning and Program Improvements; Pasco County, FL | \$4 million

**Project Manager.** Capital Improvement Planning effort involved identifying improvements at the WWTF over the short-term and long-term. Flow and loading projections were developed and modeling work was performed to identify bottlenecks in the process, remaining useful life of major equipment was defined, and replacement costs were developed so that the County could be certain they are being good stewards of the County's money. Existing O&M program was reviewed, and recommendations developed to better align with industry best practices. Additionally, improvements to enhance resiliency were identified and evaluated for consideration. Responsibilities also include leading the design of the short-term program improvements. These improvements are being constructed over a 4-year period, under three separate Guaranteed Maximum Prices (GMPs).

#### Manatee County | RAS/WAS and Plant Drain Pump Station; Manatee County, FL | \$700,000

**Project Manager.** Project includes replacement of RAS/WAS pumping systems, secondary clarifier improvements, and gate and other miscellaneous improvements to the mixed liquor splitter box. Additionally, responsible for the design of an upgraded plant drain pump station system for the Manatee County Southeast WRF. Improvements included two new pump stations to intercept increased flows and the rehabilitation of an existing pump station. Project included the design of approximately 2,000 LF of facility piping between 8 and 16 inches in diameter. The new improvements will provide needed expansion of capacity, redundancy and reliability for the WRF.

#### Pinellas County | Water and Sewer Optimization Contract; Clearwater, FL | \$1.5 million

**Project Manager.** Defined and implemented cost-saving optimization improvements and long-term sustainable solutions for multiple facilities and systems. Tasks included process modeling, process optimization evaluations, water and wastewater energy efficiency evaluations, and two treatment facility master plans.

#### Pinellas County | Long-Term Biosolids Master Plan; Florida ; Clearwater, FL | \$600,000

**Engineering Manager.** Project involved the development of a biosolids master plan for the County. Current treatment is to anaerobically digest and then pelletize biosolids in a drum dryer. This study evaluated various alternatives for biosolids treatment to provide a long-term strategy for management of the County's biosolids. Additionally, the viability of a regional biosolids facility was investigated, including holding a couple of workshops with local utilities to gauge level of interest in such a facility. The positive feedback from potential, regional partners has led the County to further develop plans and approach for a future RRRF.



## Andrew Westfall, PE

### DISTRIBUTION & COLLECTION LEAD

#### OFFICE LOCATION

Tampa, FL

#### EDUCATION

BS, Civil Engineering,  
University of Texas  
at Austin

#### YEARS OF EXPERIENCE

Total 34  
BV 34

#### PROFESSIONAL REGISTRATION

- PE - FL (47693)

Andrew (Andy) Westfall has decades of successful experience managing and executing water, wastewater, and reclaimed water projects. Andy is a career Black & Veatch professional based in the firm's Tampa, Florida office. His 30+ years of experience have been dedicated to managing and executing water, wastewater, and reclaimed water projects for municipal utility clients in the Tampa Bay area and around the state of Florida. His project experience includes engineering studies, master planning, preliminary and detailed design, permitting, bidding, and construction phase engineering services for a wide range of water infrastructure projects. His strengths include attentive and successful project management, client responsiveness, and team/staff development.

#### Hillsborough County | Sewer Pipe Rehabilitation Program; Hillsborough County, FL | \$480,000

**Project Manager.** Performed construction administration and field inspection services in support of a program to rehabilitate large section of The County's gravity sewer collection system, including wetwell and manhole cleaning.

#### Plant City | Wastewater Master Plan; Plant City, FL | \$470,000

**Client Services Director.** Plant City's Utilities Department collection system services a population of approximately 38,000 people. The goal and objective of the Wastewater Master Plan (Project) is to assist City staff in providing a reliable and robust system with adequate capacity to accommodate future growth within the City's sewer service area. Their collection system includes more than 140 miles of gravity pipes, 20 miles of forcemain, and 44 lift stations using InfoWorks ICM.

#### Manatee County | Master Wastewater Lift Station Improvements; Bradenton, FL | \$600,000

**Project Manager.** Performing design, permitting, bid phase, and construction phase services in support of major rehabilitative improvements at one submersible pump station and two wetwell - drywell pump stations. Improvements include replacement of electrical equipment, engine generators, pumps, and piping, as well as architectural and HVAC improvements and wetwell rehabilitation.

#### Hillsborough County | Nature's Way Pump Station Upgrade; Tampa, FL | \$450,000

**Project Manager.** Black & Veatch provided services to Hillsborough County to implement upgrades to an existing Master Wastewater Pumping Station. The Nature's Way Pumping station was upgraded from 5,600 to 9,200 gpm and improvements were made throughout the facility including new and refurbished wetwells, new pumps, all new VFDs, new control system, and associated electrical/site improvements. The pumping station was upgraded in a staged approach in order to successfully maintain operation throughout construction. Neighborhood sensitivities include odor, noise, and aesthetics. Services provided by Black & Veatch included preliminary and detailed design, permitting, bidding services, construction administration, and construction inspection.



## Tom Collazuol, PE

### ASSET MANAGEMENT TASK LEAD

**OFFICE LOCATION**  
Tampa, FL

**EDUCATION**  
BS, Civil Engineering,  
Manhattan College,  
NY

**YEARS OF EXPERIENCE**  
Total 16  
BV 3

**PROFESSIONAL REGISTRATION**  
■ PE - NY (95932)

Tom Collazuol is an Engineer with more than 16 years of experience in infrastructure asset management and assessment, recently specializing in long span complex bridges with experience across the civil engineering industry. His expertise is diversified to include business intelligence analysis, data engineering services, and civil/structural engineering software development.

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**Polk County | Water Quality Dashboards Project; Pinellas County, FL | \$39,000**

**Business Intelligence Analyst.** An important part of the County’s program was identifying and setting KPI goals for the numerous components of the County’s water, wastewater, and reclaimed water systems. This project focused on KPIs recommended for water production facilities (WPFs), wastewater treatment facilities (WWTF), and reclaimed water vertical facilities. Additionally, the project entailed the development of an overall roadmap of recommended and prioritized KPIs for WPFs, WWTFs and lift stations.

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**Pinellas County Utilities | Water Quality Dashboards Project; Pinellas County, FL | \$107,000**

**Business Intelligence Analyst.** Developed a Water Quality Module in Power BI, providing a suite of dashboards which facilitate understanding of available water quality data. The module provides a means to leverage existing historical data, to generate insights and support data-driven decision making. Part of this project includes an Enterprise Data Assessment and Catalog of the existing data systems, for future incorporation in BI Modules.

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**City of Fort Myers | Production Wells Project; Fort Myers, FL | \$30,000**

**Business Intelligence Analyst.** Developed an Application for reporting construction progress in “real time” – including daily observation reporting and photos. The application digitally collects daily observations, weather data, safety notes, contractor personnel and equipment, and photographs with description. Collected data is reporting on a dynamic dashboard, facilitating reporting deliverables. Daily Reports are automatically generated via programming script, for distribution via email through Outlook emails.

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**Irvine Ranch Water District | CIP & Asset Management Project – Condition Assessment Application; Irvine Ranch, CA | \$65,000**

**Lead Application Developer.** Developed the Application for performing field and desktop condition assessment of 110 Facilities for the Irvine Ranch Water District. The application digitally collects condition scores, field commentary, photographs and photo descriptions, for all Facilities, with multiple disciplines associated to each facility. The data collected was stored safely and securely within a cloud-based Azure architecture, providing access for multiple concurrent users across disparate devices and operating systems. The project was provided with assessment on a “real-time” basis, as photos and scores were uploaded to the cloud, a dashboard related all field collected data, for further analysis. Tom was directly responsible for system architecture, user interface/experience, software programming and user support during the developmental life cycle.



## Michael Phelps, PE, ENV SP

### TECHNICAL ADVISOR

#### OFFICE LOCATION

Tampa, FL

#### EDUCATION

MS, Water Resources Engineering,  
University of Central Florida

BS, Civil Engineering,  
University of Central Florida

#### YEARS OF EXPERIENCE

Total 29  
BV 1

#### PROFESSIONAL REGISTRATION

- PE – FL (53315)
- PE – GA (45819)
- Envision Sustainable Professional (ENV SP), 433733

Michael Phelps has 29 years of experience with a wide variety of water and wastewater utility projects. Michael is experienced in project management, preparation of contract documents and specifications, cost estimation, and field inspections. He has managed numerous continuing contracts for engineering services for counties and cities. In that role, he has successfully prepared team management plans to properly staff multiple, concurrent task assignments to maintain schedules and budgets to meet client needs. He is highly experienced in managing the overall contract as well as individual task assignments for municipal continuing services contracts.

#### Polk County | Continuing Contract for Utilities; Polk County, FL | \$874,000

**Contract Manager.** Various roles involved with utility system design and rehabilitation projects throughout Polk County. Completed several water main projects including the Polk County Utilities and Haines City Water Main Interconnect, US 27/Holly Hill Road Reuse Main, Lily Lake Water and Wastewater Transmission System Design, Waverly Water Transmission System Design, Frostproof Water Main Extension, U.S. 27 Water System Improvements, SR 540 Water Main Extension, Moore Road Water Main Extension, and Pine Glen Subdivision Water Service Retrofit.

#### Florida Polytechnic University | Continuing Contract for Civil Engineering and Planning Services; Polk County, FL | \$750,000

**Contract Manager.** Client representative and lead engineer for projects throughout the campus. Major projects include the recreational facility design, campus master plan update, and reclaimed water analysis and improvements.

#### Haines City | US 27 Water Main Extension and Relocations, Haines City, FL | \$284,000

**Project Manager.** The project was completed to provide additional capacity to the Heart of Florida Hospital necessary to open their newest floors of building expansion. The project included multiple diameter pipes ranging from 8 to 24 inches and terminated at an interconnect with Polk County Utilities. The project was constructed with the FDOT right-of-way and required extensive permitting and construction coordination to meet the permit requirements.

#### City of Bartow | US 98 Utility Relocations; Bartow, FL | \$125,000

**Project Manager.** Utility relocation design, scheduling, and permitting for water mains and wastewater force mains along U.S. 98 to accommodate roadway capacity improvements. The water mains ranged in size from 4-inch to 18-inch diameter pipes. The project was completed in accordance with FDOT standards.

#### City of Eagle Lake | Eagle Avenue Water Main; Eagle, FL | \$75,000

**Project Manager.** Water main replacement along Eagle Avenue to accommodate drainage improvements and replace an aging, undersized water main. The project included design, permitting, and construction inspection to ensure the water main was installed in accordance with specifications and permit requirements.



## Sanjay Puranik, PE

### TECHNICAL ADVISOR – ASSET MANAGEMENT

#### OFFICE LOCATION

Atlanta, GA

#### EDUCATION

Master of Engineering, Environmental Engineering, University of Florida

MS, Environmental Engineering Sciences, University at Buffalo

MS, Analytical Chemistry, University at Buffalo

BS, Chemistry, University of Bombay

#### YEARS OF EXPERIENCE

Total 31  
BV 1

#### PROFESSIONAL REGISTRATION

■ PE – FL (59470)

Sanjay Puranik is the Southeast United States Regional Asset Management Leader for Black & Veatch's Asset Management Group and has over 23 years of experience specializing in utility asset management. His expertise includes risk and sensitivity analysis, geographic information systems (GIS), water resources planning, data collection and management, software requirements and application development, and data modeling and database design.

#### Polk County Utilities | CMMS Procurement & Implementation; Polk County, FL | \$629,700

**Asset Management SME.** Served as a project manager for Polk County Utilities and lead a team of internal and external support groups and stakeholders for selection and implementation of the Lucity CMMS solution.

#### Polk County Utilities | Asset Management Strategic Program Development; Polk County, FL | \$125,000

**Asset Management SME.** Lead the project to develop a tactical asset management plan for Polk County's wastewater treatment facilities. The condition assessment and consequence of failure criteria developed for County's vertical assets were applied to two wastewater facilities as a pilot study. The resulting risk analysis identified assets in critical need of replacement and proactive maintenance.

#### Jefferson County | Wastewater Collection System Asset Management Program; Birmingham, AL | \$13 million

**Asset Management SME.** Established a comprehensive asset management program with processes and procedures to perform collection system condition assessments (CCTV, manhole inspections, life-cycle cost analysis), and perform risk analysis to identify and prioritize assets for replacement and proactive maintenance.

#### Broward County Water & Wastewater Services Division | Phase IIA Asset Condition Assessment; Broward County, FL | \$465,000

**Asset Management SME.** Led the programming team to develop a facilities' Asset Management and Decision Support (AMDS) tool to perform condition assessments and risk analysis. The tool was used to review drawings and specifications, perform condition assessments, and upload photos and videos in real time to a central database. The findings were used to prioritize assets for renewal and replacement (R&R) projects.

#### Palm Beach County | Water and Wastewater Asset Management Updates; Palm Beach County, FL | \$255,000

**Asset Management SME.** Involved in various aspects of the County's Asset Management Plan, including development of key performance indicators (KPI) and gap analysis to support the metrics calculations. A business case evaluation (BCE) tool was developed to enable the County to evaluate various project alternatives based on economic, environmental, regulatory, and safety criteria. A user guide and training sessions have enabled the County staff to use the tool easily for various applications.



## Rasesh Shah, PE

### TECHNICAL ADVISOR – WATER & WASTEWATER DESIGN

#### OFFICE LOCATION

Orlando, FL

#### EDUCATION

MS, Environmental  
Engineering,  
University of Central  
Florida

BS, Civil Engineering,  
Sardar Patel  
University (India)

#### YEARS OF EXPERIENCE

Total 22  
BV 2

#### PROFESSIONAL REGISTRATION

■ PE - FL (68314)

Rasesh Shah has 20 years of experience in the municipal & industrial water & wastewater engineering consulting industry. Rasesh has worked on water, wastewater, and supplemental reclaimed water treatment plant design/expansion projects, potable water aquifer storage and recovery well & treatment system design, chemical feed and storage system designs, alternate sewer system studies, pipeline and pump station designs, utility relocations, utilities master plans, and hydraulic modeling.

#### Toho Water Authority | Richard McLaughlin Water Treatment Plant Well and Raw Water Main; FL | \$227,000

**Project Manager.** Construction of a new raw water supply well RM-3 and 5,000 LF of 16-inch raw water transmission main to serve the Richard McLaughlin WTP (RMcWTP). The well was constructed on a parcel west of Thacker Avenue and south of Carroll Street in Kissimmee, FL. The well has a final casing diameter of 24 inches, equipped with a vertical turbine well pump rated at 3,500 gpm, and connected to the RMcWTP via 16-inch diameter raw water transmission piping.

#### Polk County | Northeast Regional Wastewater Treatment Facility Expansion; Polk County, FL | \$1.1 million

**Project Engineer.** The project involved improvements necessary to increase the wastewater treatment capacity from 3.0-MGD to 6.0-MGD. The key design components were: new screening structure, combined equalization and state of art plug flow BNR reactor, clarifier, RAS/WAS pump station, deep bed filters, sludge stabilization tanks, and modifications to existing processes for the 6.0-MGD upgrade. A WaterCAD® pressure system model was used to optimize the wastewater treatment facility expansion design.

#### City of Bartow | Lime Softening WTP Sludge Drying Beds Design; Bartow, FL | \$100,000

**Project Manager.** Scope included one lined sludge drying bed and filtrate pump station with associated piping, pad, and electrical improvements at the City's Lime Softening water treatment plant. The intent of these beds was to provide a supplemental means for lime sludge disposal for periods when normal liquid hauling and disposal operations are interrupted.

#### City of Deltona | Magdalena Well No. 48 and Raw Water Main; Deltona, FL | \$200,000

**Project Manager.** Hydrogeological design of the well, outfitting the well with a 750-gpm pump, 400 LF of 10-inch HDPE raw water pipe installed via HDD connecting with the WTP existing yard piping, relocation of corrosion inhibitor feed point, and other related civil, structural, electrical, controls, SCADA improvements. The physical well construction preceded the well outfitting and connection improvements. Two sets of final design and bidding contract documents were produced to get well drilled prior to well pump and raw water pipe installation.

#### City of Deltona | Water Treatment Plant No. 8 Lower Floridan Aquifer No. 1; Deltona, FL | \$99,000

**Project Manager.** Prepared a scope of services for equipping the Lower Floridan Aquifer Well No. 1, provide sulfide treatment, and integrating this source of supply into the existing Courtland WTP No. 8 facilities. The new well improvements included wellhead plan/profile, packaged Ozone treatment with air compressor system inside a pre-cast concrete building, yard piping, project manual, and Engineer's opinion of the project construction cost. Performed treatability testing including sampling, ozone dose testing, and analysis.



## Ed Rectenwald, PE, PMP

### TECHNICAL ADVISOR – HYDROGEOLOGY & WATER SUPPLY

#### OFFICE LOCATION

Fort Myers, FL

#### EDUCATION

MS, Geology, Florida Atlantic University

BS, Geology, University of Akron, Ohio

#### YEARS OF EXPERIENCE

Total 28  
BV 5

#### PROFESSIONAL REGISTRATION

- PG – FL (2469)
- Project Management Professional (PMP), 1965005

Ed Rectenwald has over 25 years of experience in various hydrologic, geologic, and environmental investigations. This experience includes project management, design, permitting, construction and testing of Public Water Supply Wells/Wellfields (Surficial and Floridan Aquifer System) Class I injection wells, Class V Aquifer Storage and Recovery (ASR) wells, Aquifer Recharge wells, industrial supply wells, irrigation wells, monitor wells, and rehabilitation of deteriorated wells. Ed has successfully managed the projects and teams for wellfield construction and expansion projects, ASR system construction, and lead teams during Class I and Class V injection well facility construction on numerous projects.

#### Southwest Florida Water Management District | Feasibility of using Reclaimed Water for Aquifer Recharge in the Tampa Bay Area; Hillsborough and Polk Counties, FL | \$200,000

**Senior Technical Support.** Provided Senior Technical support for this fast tracked 6-month study, managed the preparation of the 4 reports, managed staff and coordination with the client. This detailed study was conducted to determine viable direct and indirect recharge projects within Hillsborough and Polk Counties. A detailed review of applicable state and federal regulations was performed to determine the applicable regulations required to be met for different project configurations was performed. Detailed hydrogeologic evaluations were performed examining the water quality of various aquifer zones, presence of permeable layers, and location of confining zones. The regulatory and hydrogeologic evaluations led to the identification of viable project alternatives for which preliminary engineering could be performed and cost estimates developed.

#### Tampa Electric Company | Class 1 Industrial Injection Wells IW-1 and IW-2, Mulberry, FL | \$2.3 million

**Project Technical Lead.** Performed a key role in the management team and supervised the construction and testing of the first two permitted 8,000 feet deep injection wells in the state located at the Polk Power Station, Mulberry, Florida. The well was constructed to dispose of non-hazardous reclaimed water reverse osmosis treatment concentrate and additional process flows from the power plant. The injection well is also designed and intended for testing for the future of carbon sequestration at the facility. Ed has been responsible for selecting/scheduling staff, management of the staff, QA/QC of all scientific data collected, correspondence with the FDEP and technical advisory committee for all decisions made on the project, and assist with all general project management duties.

#### Miami Dade WASD | Hydrogeological and Engineering Services for Production, ASR Wells Disposal, Storage, and Monitoring Well Networks; Miami, FL | \$7 million

**Project Technical Lead.** Ed is the Project Technical Lead for hydrogeologic/geologic services and consultation related to WASD's Wellfields, Injection Wells, and ASR Wells, which includes geochemical studies, groundwater modeling, monitoring, testing, permitting, design, specialized hydrogeologic oversight during construction and other services as needed.



## George Byfield

### PUBLIC INVOLVEMENT SERVICES



**OFFICE LOCATION**  
Lakeland, FL

#### EDUCATION

MA, Leadership in Technical and Vocational Education and Training (TVET) And Workforce Development (WFD), University of the West Indies

Certificate Diversity, Equity, and Inclusion in the Workplace, University of South Florida, Muma College of Business

BFA Advertising and Graphic Designs, School of Visual Arts, New York, NY

AA Advertising and Graphic Designs, Edna Manley School of Arts, Jamaica

**YEARS OF EXPERIENCE**  
Total 23

George Byfield is a Marketing and Brand Development Consultant with Comet Media Group, LLC in Lakeland FL. He drives brand campaign launch and awareness for small and medium-size businesses. He has collaborated with CEOs and marketing team in healthcare, higher education, tourism, finance, agriculture, technology, retail, bio-tech and non-profits to identify new revenue streams, niche media placement, and create integrated marketing campaigns to increase audience acquisition, audience retention and revenue.

**The University of the West Indies, School of Education | Caribbean TVET Conference, brand and marketing communications consultant; Jamaica**

**Marketing Communications Consultant.** Developed and delivered an online conference branding and marketing communications strategy for the fifth and sixth Caribbean TVET Virtual Conference. Lead conference team in creating all online, print, TV, press releases, and social media material including Zoom background for each presenter.

**Florida Department of Health | Marketing, Branding and Creative Consultancy; St. Lucie County, FL**

**Marketing Consultant.** Developed new brand and communication strategy for St. Lucie County Teen Zone to launch teen pregnancy prevention awareness online media campaign across all social and online media platforms.

**St. Lucie County | COVID-19 Vaccination Marketing, Branding and Creative Consultancy; St. Lucie County, FL**

**Marketing Consultant.** Researched and developed the COVID-19 vaccination integrated strategic communications plan, aimed to engage the diverse citizens/ communities in St. Lucie County, through a communication mix of traditional advertising, digital marketing, and public relations to provide a clear and consistent message to key stakeholders.

**Family Worship Center (FWC) | Branding and Online Marketing; USA**

**Online Marketing and Branding Consultant.** Developed new branding and mobile/online worship experience for FWC's existing members – adding new virtual personal experiences for local, national, and international visitors.

**The University of the West Indies, School of Education | Branding and Marketing Communications; Jamaica**

**Branding and Communications Consultant.** Work with the School of Education (SOE) team in developing and implementing an integrated marketing communications campaign to boost registration for the M.Ed. Summer and Online Programmes. Target audience was students wishing to pursue online classes from across the Caribbean, Japan and China. Campaign collected responses across all print and online engagements.



## SONNY FORNOLES, RA, AIA

*Senior Associate, Senior Project Manager*

**EDUCATION** - University of Hawaii - Master of Architecture; University of Florida - Bachelor of Architecture

**LICENSES/REGISTRATIONS** - Architecture: State of Florida – No. AR94278

Sonny Fornoles has 25 years of experience providing professional architectural services to various clients and joined the Borrelli + Partners team in 2018. He has project management experience in all phases – programming, conceptual design, construction documents, and construction administration. He has managed multiple projects simultaneously and efficiently, while maintaining and developing strong client relations.

### PROJECT EXPERIENCE

Mr. Fornoles has been responsible for various phases of the following projects:

#### **Polk County, Development of Public Defender's Offices, Bartow, FL**

Project Manager | \$23,953 Design

Through our continuing contract with Polk County, B+P was selected to provide architectural and engineering services for the development of six Public Defender's offices at the Polk County Courthouse. The offices were developed on the 3rd floor of the Courthouse, within an existing +/- 3,000 SF space. The work included architecture, mechanical, electrical, plumbing, fire protection, technology, and limited structural engineering.

#### **Polk County, Saddle Creek Maintenance Office, Lakeland, FL**

Project Manager | \$69,265 A/E Design

Through our continuing contract with Polk County, B+P was selected to provide architectural and engineering services for the existing building assessment and conceptual site plans for the Parks and Natural Resources Saddle Creek Park 2,400 SF maintenance office building. The assessment's purpose is to examine the required renovation, code upgrades, and proposed expansion to determine the required renovation and development of the cost of corrective measures. Based on the findings, the project would proceed with conceptual site and building floor plans for the Parks & Natural Resources (P&NR) Saddle Creek Park.

#### **Brightline Trains, Station at Orlando International Airport, Orlando, FL**

Project Architect | \$10 Million

B+P was selected in collaboration with Big Time Design to prepare construction documents for the Brightline Train Station within the Intermodal Transportation Facility at the Orlando International Airport. The beautiful station features a spacious and inviting lounge for travelers equipped with charging stations, TVs, and Wi-Fi. The station also features a sit-down bar, a market store, a children's play area, meeting rooms, self-service kiosks, luggage checks, turnstiles, and ticket purchasing stations.

#### **Brightline Trains, Vehicle Maintenance Facility at OIA, Orlando, FL**

Project Manager | \$80 Million

B+P was selected to prepare and provide preliminary architectural plans and reports at a 30% construction document level for a new train maintenance facility located about 1.5 miles southwest of the Orlando International Airport (OIA). B+P was subsequently hired as the Architect of Record for the construction of the facility. The design consists of 3 new buildings on the site and includes specific functions that are related to its use such as All Aboard Florida Offices, Maintenance, Operations, Commissary and Building Support functions. These buildings include a 185,000 SF Maintenance Building, a 2,200 SF Wheel Truer Building, and a 4,300 SF Train Wash Building.

#### **City of DeBary, Fire Station No. 9, DeBary, FL**

Project Manager | \$2.6 Million

B+P is providing Architecture, Interior Design, and Landscape Architecture services for the City of DeBary's new Fire Station No. 9. The 7,000 SF fire station will include 2 apparatus bays with plans for a future third bay as well as first responders living quarters. The living quarters will include individual bunks, shared restrooms, training and fitness areas, kitchen, and day room. A new diesel fueled generator to provide emergency power for the facility and new site is anticipated. The apparatus bays will be heated and will contain a vehicle fume detection system that operates ventilation fans and doors for a higher level of life safety.

# John Delashaw, PE, MAT

## Principal, Geotechnical Engineer



Mr. Delashaw currently serves as Vice-President and is the project principal and/or technical lead for most of the company's geotechnical projects. Much of his over 33 years of geotechnical engineering experience has been gained from working on projects in the areas of: dam design and evaluation; shallow and deep foundation systems; earthworks and site development; soil improvement techniques; specialty soil sampling; sinkhole investigation, evaluation and stabilization, and roadway soil.

His primary experience includes project management, contract management, technical direction of geotechnical engineering projects, geotechnical field investigations, and analyses for numerous public and private sector clients. He is responsible for staffing and resource management and reviewing engineering evaluations for geotechnical investigations in addition to numerous subsidence investigations. He often provides expert witness testimony on forensic projects and is in responsible charge of numerous soil stabilization projects.

## Project Experience

**Harden Boulevard Access Road, Polk County, FL | Geotechnical Principal-in-Charge.** Project consisted of geotechnical investigation, design and construction plans to construct an approximately 600 foot long access road that progresses east from Harden Blvd. through former phosphate mined lands to provide access to a new development (residential and/or commercial) in Lakeland, Florida. Madrid CPWG was requested to provide a geotechnical design for a stable, permanent platform for roadway embankment construction along the proposed access road alignment. Madrid CPWG's design included CSV (cement stabilized vertical) columns combined with a load transfer blanket (LTB) consisting of multiple layers of biaxial geogrid interbedded with compacted sandy fill. The system will distribute and transfer roadway, embankment, and vehicle loads to more competent soils at depth. The combined system provides a more uniform load response to the roadway embankment. Value of Project: \$68,000

**Polk County, West Lake Eloise Drive Resurfacing Project, Winter Haven, FL | Geotechnical Principal-in-Charge.** This Polk County project included a section of road that overlies a thick peat layer that has a history of on-going settlement. Additional pavement has been added over time to try to keep the pavement above the seasonal high water level without success as the road continues to flood. Madrid investigated the site then recommended and designed a roadway cross-section that included excavation of the pavement section and installation of about 3 feet of lightweight cellular concrete allowing us to raise the roadway about 1 foot above the high water mark while also slightly unloading the organic soils that were too deep to excavate. By reducing the total load on the organics future settlement is nearly eliminated. Analyses included buoyancy calculations to ensure that the lightweight concrete would have sufficient pavement weight above it to avoid "popping out of the ground". Value of Project: \$55,000

**Grandview Parkway, New Roadway and Bridge over I-4, Polk County, FL | Project Principal.** Oversee geotechnical design and recommendations for a 3000 ft. new 2-lane roadway that includes a 600 ft. bridge over I-4 near Davenport, Florida. The project includes embankment, MSE walls, bridge pilings and stormwater ponds and some of the alignment crosses an existing wetland and organic deposits. Project challenges included high settlement estimates and remediation of a relic sinkhole found along the wall alignment. Value of Project: \$87,000



### Years of Experience

- 33 Years

### Education

- B.S., Civil Engineering, San Diego State University

### Professional Registration

- Professional Engineer, Florida # 48154 (1986)

### Additional Certifications

- Properties of Fills for MSE Walls – ASCE Webinar, January 2018
- Geo-Frontiers Conference – 2011 (Paper presented at conference – published in proceedings– June 2017
- Geotechnical and Materials Engineers Conf. ('98,'01,'04,'07,'10,'11,'12,'13,'14,'16,'17,'18,'19)
- Florida Dam Safety Annual Conference 1997 through 2004 (technical presenter 1999 & 2003)



**Jason Stanley**  
**Vice President**

Contract Role: SUE Lead

Years' Experience: 23

Availability: 60%

Office Location: Tampa, FL

**Education**

- Associates of Applied Science (AS), Design Technology, ITT Technical Institute

**Professional Registrations/Licenses**

- Florida Department of Environmental Protection, Erosion and Sedimentation Control, Lic#435

**Certifications/Training**

- Transportation Worker Identification Credentials (TWIC)
- Florida Phosphate Producers
- Intermediate Maintenance of Traffic
- US NAVY Veteran, Operation - Specialist A-School Training

**Summary of Experience**

Mr. Stanley has over 23 years of experience providing subsurface utility engineering (SUE) professional services, in addition to providing management support for surveying and mapping services throughout the state of Florida. Mr. Stanley spent his entire working career dedicated solely to risk management and the protection and construction of public and private infrastructure, specifically through Subsurface Utility Engineering and Survey processes.

Mr. Stanley's extensive experience working with a wide range of clients in both the public and private sectors has provided him with a diverse background and exposure to potential public and utility related issues that may present themselves during a contract. His experience includes project management, finance, subsurface utility engineering, surveying and mapping, utility/roadway design and construction, water/wastewater treatment and nuclear energy plants, permitting and construction claims.

Mr. Stanley will serve as SUE lead on this contract and provide proactive, hands on review of all SUE Task deliverables ensuring continuity and consistency of the processes and products amongst the valued ECHO team members.

**Significant Projects**

**Polk County NERWWTF Clarifier Addition, Polk County, FL:** Mr. Stanley served as the SUE lead for this project which 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. Cost: \$75,600

**Polk County NE2 & NW Generators Site Improvements, Polk County, FL:** Mr. Stanley served as SUE lead for this project where ECHO provided Subsurface Utility Engineering and Topographic Survey services which resulted in designating and locating the position of underground utilities located at the project generator sites defined within the project scope. Cost: \$14,975

**Thompson Nursery Road, Polk County, FL:** Thompson Nursery Road is a proposed four-lane urban collector roadway located to the south of Winter Haven. The corridor limits of the Project are from the intersection of US 17 @ SR 540 to the intersection of Thompson Nursery Road @ West Lake Ruby Drive. This project consists of the final design and construction of this new roadway. ECHO was requested to provide survey, subsurface utility engineering, and utility coordination services. Mr. Stanley currently serves as SUE lead. Cost: \$20,000 (To Date – Ongoing)

**West Pipkin Road Widening Project, Polk County, FL:** Mr. Stanley served as the SUE Project Manager for this project where ECHO provided Subsurface Utility Engineering services, which included designating and locating the position of underground utilities in areas where design elements were in potential conflict with utilities. Cost: \$125,000

**US 92/SR 600 at Fish Hatchery Road, Polk County, FDOT District 1:** Mr. Stanley served as SUE QA/QC for this design project in which ECHO was responsible for establishing horizontal and vertical control, retracing the historic alignment, R/W calculation from record information (R/W maps, plats, last deed of record), topographic survey, survey of geotechnical borings and designating (CI/ASCE 38-02 Quality Level B) and locating (CI/ASCE 38-02 Quality Level A) subsurface utility engineering. Cost: \$135,100



## EDWARD GIESE, PE

### Roadway



Eddie is a Senior Roadway Engineer with Patel, Greene and Associates (PGA). He has more than 17 years of experience in highway and transportation facility design. He has been responsible for production of construction plans, horizontal and vertical geometry, cross section design, 3D modeling, pavement selection and design, maintenance of traffic (MOT), design and documentation for erosion control, design and plans for signing and pavement markings, right-of-way plan development, and project scheduling. He also provides quantity computations, specifications, and special provisions, and engineer's estimates, conceptual, preliminary, and final engineering tasks.

### Education

B.S., Civil Engineering, University of Maryland, 2006

### Registrations/Licenses

Professional Engineer, Florida, 88200, 10/10/2019

Professional Engineer, Pennsylvania, 079074, 06/29/2011

### Certifications

FDOT Advanced MOT  
FDOT Specifications  
Bentley ORD Accreditation

### Work Experience

Patel, Greene and Associates  
2019 - Present

RETTEW Associates  
2011 - 2019

Atkins North America  
2006 - 2011

### Contact

12570 Telecom Dr  
Tampa, FL 33637  
813.978.3100  
eddie.giese@patelgreene.com

### Experience

**SR 29 From CR 846 E to N of New Market Rd, Collier County, FL, FDOT District One, Roadway Engineer:** This project involved the design of a new, 3.35-mile four lane bypass road for the City of Immokalee to improve the mobility and connectivity within the regional transportation network. The contract required significant coordination with local stakeholders to develop the most economical approach to provide water quality treatment for the corridor. Eddie was responsible for completing 3D design. **Project Size: \$6M**

**Legacy Trail Bridge from N of Laurel Rd to S of Laurel Rd, Sarasota County, FL, FDOT District One, Roadway Engineer:** PGA was the prime design consultant for this project, converting the at-grade crossing of Legacy Trail and Laurel Rd to a trail bridge overpass. The unique design allowed for trail access to be maintained at all times during construction, removed the skew at the crossing of Laurel Rd, and preserved historical monuments. Eddie was responsible for leading 3D tasks during completion of the alternatives analysis. **Project Size: \$2.4M**

**SR 64 at Lorraine Rd and SR 64 at Greyhawk Blvd, Manatee County, FL, FDOT District One, Roadway Engineer:** PGA was the prime consultant on these projects designing multi-lane roundabouts to improve safety and accessibility along SR 64. The scope of work included major reconstruction of multiple intersections, right-of-way acquisition at the Lorraine intersection, drainage improvements, and utility coordination. **Project Size: \$1M**

**Continuing Services – Resurfacing Design, FDOT District One, Roadway Engineer:** 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. Eddie is providing support for roadway production and documentation for tasks assigned through this contract. **Project Size: \$5M**

**Seminole Expressway (SR 417) from MP 38.0 to MP 44.5, Seminole County, FL, Florida's Turnpike Enterprise, Roadway Engineer:** This project improves the ride quality and safety conditions along Seminole Expressway by milling and resurfacing the existing northbound and southbound roadways, all ramps, all existing shoulders, and incorporating safety and design criteria upgrades. PGA is the prime consultant leading the roadway, drainage, structures, traffic, and environmental efforts. Eddie is providing support for the production of 3D models on this project. **Project Size: \$1.8M**



## Duane Yazzie, MS-GIST, GISP

### GIS ANALYSIS

#### Mapping Enterprise, LLC

**OFFICE LOCATION**  
Bartow, FL

#### EDUCATION

MS, Geographical Information Systems Technology (MS-GIST), University of Arizona, Tucson, Arizona

Bachelors of Information Engineering Technology (BIET), Florida Atlantic University, Boca Raton, Florida

AS, Computer Information Technology, Indian River State College, Fort Pierce, Florida

AA, Engineering, Indian River State College, Fort Pierce, Florida

**YEARS OF EXPERIENCE**  
Total 15

Duane Yazzie is the owner/operator of Mapping Enterprise, LLC. He is familiar with ESRI Enterprise high-availability, distributed, federated GIS Portal systems including datastore, IIS, ESRI Enterprise servers Portal, Advanced Server, Standard, Image, Geo-analytic servers. He is also familiar with upgrades, patches to ESRI Enterprise architecture. Familiar with Enterprise SQL databases geospatial environments. He has experience providing support for online in-house and AGOL (ArcGIS Online). He has provided high-quality training, support, and expertise to GIS stakeholders regarding Enterprise administration as well as end user Portal architecture components and ArcGIS Desktop/Catalog, ArcPro, Collector/Field Maps, Survey123, Dashboards, Groups, Membership, Content, licensing. Familiar with VM servers – Web/IIS, Portal, Server, Hosting, Image, Geo-analytics, Relational/Tile Cache/Spatial Temporal data-stores and file shares. Duane is familiar with automation and scripting through the use of the Python programming language.

#### Polk County Board of County Commissioners | GIS Analyst; Polk County, FL

**Systems Analyst GIS.** Manage High-Availability, distributed, federated GIS Portal systems. Manage Datastore, IIS, ESRI Enterprise servers (Portal, Advanced Server, Standard servers as well as Image server, Geoanalytic servers) for multiple environments. Successfully upgraded the ESRI Enterprise Base Deployment architecture from 10.2 to 10.7.1 and then to 10.9.0. Led the definition of requirements for the migration of legacy GIS-centric, Enterprise SQL 2019 databases as well as provided direct assistance in the migration. Led the migration of multiple legacy online viewers to the current platform. Offer high-quality training, support, and expertise to the GIS user community including supervisors, and management. Additional end user Portal architecture components supported: ArcGIS Desktop/Catalog, ArcPro, Collector/Field Maps, Survey123, Dashboards, Groups, Membership, Content, licensing. Administrative Portal architecture components supported: VM servers – Web/IIS, Portal, Server, Hosting, Image, Geo-analytics, Relational/Tile Cache/Spatial Temporal data-stores, file shares for production, staging and previously damage recovery environment. Administration of ArcGIS online environment supporting county-wide users as well as collaboration and support of external entities within the public sector. Successful implementation of automation and scripting through the expert use of the Python programming language. Stewardship of taxpayer dollars through continuous analysis, implementation, and monitoring of security strategies specific to the GIS environment.

#### St. Lucie County Fire District | GIS Analyst; St. Lucie County, FL

**GIS Analyst.** Assembled map data as part of the initiative the fire district has for seeking higher Center for Public Safety Excellence's (CPSE) Agency Accreditation rank for Saint Lucie County. Additionally, in parallel GIS duties include obtaining GIS data for the Insurance Services Office (ISO) accreditation. Other duties consist of emergency response for 911 calls through Computer Aided Dispatch (CAD) GIS analysis. Map analysis for fire rescue, map creation for 17 stations. Additional duties included, IT support. Periodically, duties include tower climbing to install 911 communication equipment as a certified rescue/climber. Collaborate with inter-jurisdictional city, county and state agencies. Train GIS end users.



**Alan L. Rayl, PE, PSM**  
*President/Owner*



Alan Rayl has been a Registered Professional Engineer in the State of Florida since 1991 and has also been a Registered Professional Surveyor and Mapper in Florida since 1997. Alan founded Rayl Engineering and Surveying, LLC on August 24, 2009.

**Professional Registrations**

Florida Registered Professional Engineer #44116  
 Georgia Registered Professional Engineer #28580  
 Indiana Registered Professional Engineer #920107  
 Florida Registered Professional Surveyor and Mapper #5736  
 FDEP Certified Stormwater Inspector #5386

**Education**

Bachelor of Science, Civil Engineering - Purdue University 1987

**Special Qualifications**

- Former County Engineer for Polk County Land Development Division
- More than 40 years of experience, encompassing commercial, residential, municipal, and transportation facilities in the Midwest, South and Central Florida, and the Caribbean.
- Experience managing and performing all types of public and private land development projects, from initial appraisals and master planning through preparation and design of construction documents, construction observation, and certifications.
- Direct experience with regulatory programs of local municipalities and Counties and the State of Florida Water Management Districts, as well as the Florida Department of Environmental Protection, FEMA, and the U.S. Army Corps of Engineers affecting stormwater, water and sewer utilities, and wetlands.

**Professional Organizations and Memberships**

Polk County Builders Association, Member (2009-present), Board Member, (2019-2021), 1<sup>st</sup> Vice President 2021, Governmental Affairs Co-Chair (2010-2011), Chair (2019-2021), **President (2023)**  
 Florida Engineering Society, Ridge Chapter, Vice President (2008-2009), State Director (2010), **Engineer of the Year (2010)**, President, (2009-2010 & 2015-2016), **Engineer of the Year (2022)**  
 Commissioner, City of Bartow CRA, 2009-2017; Chairman, 2011-2012, 2012-2013, 2016-2017  
 Florida Stormwater Association, Conference Committee Member (2016-2021)  
 Florida Redevelopment Association, Committee Member (2019)  
 Florida Surveying and Mapping Society, Ridge Chapter  
 Past Member, International Council of Shopping Centers  
 Member, Polk County Utility Code Update Stakeholders Committee (2010-2011)  
 Member, City of Lakeland Subdivision Code Update Committee, 2011  
 Member, City of Bartow Gateways Project Committee, 2011  
 Member, City of Bartow Focus Group, 2020 - present  
 Graduate, Leadership Bartow, Class XIII, 2008-2010  
 Graduate, Leadership Polk, Class IV, 2010-2011  
 Leadership Polk Alumni Association, Steering Committee, 2011-2020; Membership Committee Chair, 2016-2020  
 Bone Valley SAS Focus Group  
 ACE Mentor Volunteer (2018)  
 Polk County School Board Volunteer  
 Lake Wales Area Chamber of Commerce, Member  
 Greater Mulberry Chamber of Commerce, Board Member, 2008-2016; President, 2012  
 Dundee Area Chamber of Commerce, Board Member, 2019  
 Fort Meade Chamber of Commerce, Member  
 Winter Haven Chamber of Commerce, Member  
 Bartow Chamber of Commerce, Member; Board Member, 2016-2020  
 Hardee County Chamber of Commerce, Member  
 Member, Mainstreet Bartow

# Is the Firm a “Polk County Entity”?

Black & Veatch is pleased to have assembled some of Polk County’s best specialty consultants to support Polk County Utilities in this engagement. The Black & Veatch team is supported by five subconsultants who all have local offices in Polk County and are Polk County “entities”.

- **Comet Media Group** – Public involvement services, including technical assistance for preparation of public information brochures
- **Madrid Engineering Group Inc.** – Geotechnical engineering
- **Mapping Enterprise LLC** – GIS Analysis, SDE management and GIS database maintenance and support capabilities
- **Patel, Greene & Associates** – Civil engineering; right-of-way (ROW) and easement acquisition services
- **RAYL Engineering and Surveying** – Civil engineering; property research/title search easement acquisition

FIRM	HEADQUARTERS AND LOCAL OFFICE LOCATIONS	LOCAL POLK COUNTY OFFICE	
		FULL-TIME EMPLOYEES	TIME AT LOCATION
<b>Comet Media Group</b>	<p><b>Headquarters:</b> 122 East Main Street, Suite 328, Lakeland, FL 33801</p> <p><b>Local:</b> same</p>	2	1 year and 10 months
<b>Madrid Engineering Group</b>	<p><b>Headquarters:</b> 2030 State Road 60 East, Bartow, FL 33830</p> <p><b>Local:</b> same</p>	15	<p>Current office: 15 years</p> <p>Polk County: 29 years</p>
<b>Mapping Enterprise, LLC</b>	<p><b>Headquarters:</b> 463 S. Washingtonia Ct., Bartow, FL 33830</p> <p><b>Local:</b> same</p>	1	<p>2 months</p> <p><i>Note: This is a newly established business.</i></p>
<b>Patel, Green &amp; Associates</b>	<p><b>Headquarters:</b> 12570 Telecom Drive, Temple Terrace, FL 33637</p> <p><b>Local:</b> 215 East Main Street, Bartow, FL 33830</p>	24	11 years
<b>RAYL Engineering and Surveying</b>	<p><b>Headquarters:</b> 810 East Main Street, Bartow, FL 33830</p> <p><b>Local:</b> same</p>	9	2 years

## Comet Media Group

### MEMBERSHIP SERVICES AGREEMENT

#### Membership Levels and Descriptions

One electronic access key to the building will be provided for all Memberships. As applicable, one office key and one pedestal key will be provided. Extra keys may be provided, upon request, for additional fees.

Business Hours are currently 8 a.m. to 6 p.m., Monday through Friday.

**All Memberships include:**

- Free access to high-speed wired and wireless internet for lawful purposes only
- Free access to shared lobby, kitchen, bar area, and atrium seating
- Free coffee during morning business hours
- Option to work at other Coworking locations in Florida and around the world, for free. If another location chooses to charge Member any fees, those fees will remain the responsibility of the Member.
  - Florida Coworking Passport (when available, benefits provided by unrelated entities according to their designated policies  
<http://floridacoworkingpassport.com/>)
  - Coworking Visa (when available, benefits provided by unrelated entities according to their designated policies  
[http://wiki.coworking.org/w/page/16583744/Coworking\\_Visa](http://wiki.coworking.org/w/page/16583744/Coworking_Visa))

**Coworker Membership**

This Membership includes monthly access to the coworking desk area on a first-come, first-served basis during business hours. If desired, Member may pay an additional monthly amount to obtain 24/7-access privileges after being a Member for 30 days or more, subject to approval by My Office & More.

Member will also be provided with Basic (Standard) Mailbox Services if the Membership Term is three (3) months or longer.

**Reserved Desk Membership**

This Membership includes monthly access to a specific coworking desk on a 24/7-basis. Any time the Member is onsite, the specific desk will be made available for Member. A locking filing pedestal cabinet is also included in this membership which will be stored at the specific desk. Member will be entitled to two (2) hours of conference room time per month at no additional charge. Unused conference room hours will be forfeited.

Member will also be provided with Basic (Standard) Mailbox Services if the Membership Term is three (3) months or longer.

Member  
Initials:

**Dedicated Desk Membership**

This Membership includes monthly access to a specific coworking desk on a 24/7-basis. The specified desk will be made available to the Member only and Member may leave personal items on the desk. No other individual will be permitted to sit at the desk. A locking filing pedestal cabinet is also included in this Membership which will be stored at the specified desk. Member will be entitled to two (2) hours of conference room time per month at no additional charge. Unused conference room hours will be forfeited.

Member will also be provided with Basic (Standard) Mailbox Services if the Membership Term is three (3) months or longer.

**Reserved Office Membership**

This Membership includes a sublease of a specifically identified office, accessible 24 hours per day, 7 days per week. The office will be furnished with a desk, desk chair, guest chair, storage pedestal, and wastepaper basket. Certain larger offices will also be furnished with a side table and a second guest chair. Signage will be provided outside the office that will include the Member's and business names. Member will be entitled to four (4) hours of conference room time per month at no additional charge. Unused conference room hours at the end of the month will be forfeited.

Member will also be provided with Basic (Standard) Mailbox Services if the Membership Term is three (3) months or longer.

**Virtual Office Membership**

This Membership includes four Day Passes (described under "Other Services Available") per month that can be used to access the coworking desk area on a first-come, first-served basis during business hours. If the desk used is a Reserved Desk, Member will yield usage of the desk anytime the Reserved Desk Member is onsite.

Member will also be provided with Basic (Standard) Mailbox Services if the Membership Term is three (3) months or longer.

**Other Services Available**

- A business-class copier is available to Members for the following tasks: Copies (black/white, color), scanning to a USB drive, and faxing. Please see price schedule for cost of each task.
- Day Passes: Gives one person access to a coworking desk or an office for one day on a first-come, first-served basis during business hours. Certain memberships include a number of coworking desk Day Passes each month.
- Drop By Membership: Gives one person access to the coworking desk area for one day on a first-come, first-served basis during business hours. It also entitles person to make additional purchases at Member prices for the month in which the Drop By Membership is purchased.
- Locked Storage: Lockers are available for monthly rental. Certain memberships include locked storage pedestals at no additional cost.

Member  
Initials:

- **Mail Services:** Certain memberships of three (3) months or more include Basic Mail Services (Standard Box). The mailing address may be shown in one of two ways with the box number listed in the blank shown below:

122 E. Main Street, PMB \_\_\_\_\_      122 E. Main Street, # 328  
Lakeland, FL 33801                              Lakeland, FL 33801

If desired, a Mid-Size Box can be obtained for an additional monthly fee.

Provision of Mail Services is contingent upon receipt of a fully completed USPS 1583 form.

Enhanced Mail Services are available for an additional monthly fee. This service includes scanning of envelopes received. Images will be stored in a secure electronic folder accessible to only the Box Holder and the Administrative Team. For an additional fee per page, Box Holder may request in writing that the Administrative Team open an envelope and scan the contents, storing the images to the same electronic folder.

- **Meeting Room Access:** The Park Room (seats 10 at the table), the Media Room (seats 5 at the table), and the Training Room (seats up to 48) may be reserved for meetings for an hourly fee.
- **Notary Services:** Notary services are provided by the Administrative Team for a fee per document, unless service is included with membership.
- **Secretarial Services:** Administrative tasks like making copies, preparing mailings, data entry, etc. may be given to the Administrative Team to perform. Time will be billed in 15 minute increments.
- **Shredding Services:** Onsite shredding services are available by filling and closing a provided pouch with documents to be shredded. The pouches will be emptied by the Administrative Team into a locked bin which will be periodically emptied and shredded onsite by a third-party vendor. There is a charge per pouch of documents to be shredded. Large quantities of paper to be shredded will be quoted on an individual occurrence basis.

Member  
Initials:

**Membership Level**

- Drop By Membership
- Virtual Office Membership
- Coworker Membership
- Reserved Desk Membership, Desk # \_\_\_\_\_
- Dedicated Desk Membership, Desk # \_\_\_\_\_
- Reserved Office Membership Office # \_\_\_\_\_  
(Sublease Agreement also included by reference)

**Member Information** (please print)

**Membership Period Selected:**

- 12 Months (Fee: \$ 92.00 )
- 6 Months (Fee: \$ \_\_\_\_\_)
- 3 Months (Fee: \$ \_\_\_\_\_)
- 1 Month (Fee \$ \_\_\_\_\_)

**Starting Date of Membership:** 09/13/21    **End of Initial Term:** 09/30/22

**Name:** George Byfield

**Company Name (if applicable):** Comet Media Group, LLC

**Mailing Address:** 110 Victoria Manor Loop Apt E 203  
Lakeland, FL 33805

**Phone:** 772-480-3414

**Birthday:** Month 10 Day 30

**Email:** gbyfield@cometmg.com

**Website:** www.cometmg.com

**Directory Listing (name/company, if desired):**

Comet Media Group, LLC / Marketing and Advertising Consultants

**Please check the items below that may be made public/published:**

- Name
- Company Name (if applicable)
- Website

**Items to be provided:**

- Electronic Building Key
- Office Key (Reserved Office Membership only)
- Pedestal Key (if applicable)
- Mailbox Key to Box 328 (if applicable)
- Internet Access – Member Network

Member  
Initials:

### Membership Agreement

This Membership Agreement ("Agreement") is made between Office Administration Services, Inc. d/b/a My Office & More ("Space Provider"), a Florida Corporation, and the undersigned individual ("Member"). This Agreement is being made in order to provide Member and Member's business with and office location ("Space") and associated office services within the premises of the Space Provider located at 122 E. Main Street, Lakeland, FL 33801 ("Building").

#### Terms and Conditions

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The following terms and conditions, as well as those terms and conditions outlined in the "Membership Levels and Descriptions" portion of the Membership Services Agreement (pages 1 through 4) shall govern the Member's use of the My Office & More "Space" and "Building".

**1. Description of Services**

Space Provider will provide Member access to one or more resources and services during the Membership Term, according to the Membership Level purchased ("Services"). As a condition for Member's use of the Services, Member will not use Services for any purpose that is unlawful or prohibited by these Terms and Conditions nor interfere with any other party's use and enjoyment of Services.

**2. Membership Term**

The initial Term of this Agreement will be equal to the Membership Period selected and then automatically renew for the same Membership Period unless either party timely serves written notice within forty-five (45) days before the end of Term. If the selected Membership Period is thirty (30) days, the written notice shall be within fifteen (15) days before the end of the Term.

Member may apply its chosen Membership level to a higher Membership level at any time without penalty. If Member wishes to reduce its Membership Level, the difference between the original Membership Level fee and the new Membership Level fee shall be calculated ("Adjusted Monthly Fee"). In consideration for reducing the Membership Level, the Member shall pay 50% of the Adjusted Monthly Fee multiplied by the number of months remaining on the Membership Term prior to the contractual change of the Membership Level.

**3. Membership Fees**

Membership Fees are due on the first (1<sup>st</sup>) of the month. A late fee of five percent (5%) will be charged for payments received after the tenth (10<sup>th</sup>) of the month.

If payment is not received by the last day of the month, the Membership will be cancelled with all rights and services terminated and the Security Deposit will be applied to monies owed. Cancelled Memberships shall not relieve Member from the obligation to pay any unpaid balances not covered by the Security Deposit. Unpaid balances will be charged an interest rate of 1.5% interest monthly (APR 18%). Member shall pay all costs and expenses of collection incurred by the Space Provider, including reasonable attorney's fees and expenses.

Member  
Initials:

Members are encouraged to pay their Membership Fees with a form of cash (e.g., cash, check, or ACH bank transfer) and, therefore, will receive discounted pricing for such payments. Wire transfers will also be accepted for an additional service fee of \$25. If desired, Members may pay their Membership Fees with a credit card but will not be entitled to discounted pricing.

**4. Additional Service Fees**

Additional Services may be purchased as desired according to the current pricing schedule. Unless Space Provider requires prepayment of fees, all Additional Service Fees are to be paid no later than the 10<sup>th</sup> of the month following usage. A late fee of five percent (5%) will be charged for payments received after the tenth (10<sup>th</sup>) of the following month.

Space Provider reserves the right to discontinue provision of Additional Services until outstanding fees have been paid. Unpaid balances will be charged an interest rate of 1.5% interest monthly (APR 18%). Member shall pay all costs and expenses of collection incurred by the Space Provider, including reasonable attorney's fees and expenses.

**5. Security Deposit**

Member shall pay to the Space Provider upon the beginning of the Membership a sum equal to the monthly non-discounted Membership Fee (Security Deposit). The Space Provider shall hold the Security Deposit to the credit of Member in a non-interest-bearing account which may contain funds of Space Provider other than security deposits. The Security Deposit will be surrendered by the Space Provider within thirty (30) days of the Membership termination if all monies due are paid in full.

**6. Termination of Membership**

Member may terminate Membership with a minimum of forty-five (45) days' written notice unless the selected Membership Period is thirty (30) days in which case the written notice shall be within fifteen (15) days before the end of the Term.

If Space Provider determines that Services have been used for an unlawful or prohibited purpose or if the Member breaches the Terms and Conditions, Space Provider may terminate this Agreement, without notice, and immediately revoke access to the Space and Building.

If there are any months remaining on Agreement, the Member will pay an Early Termination Fee (ETF). The ETF is fifty percent (50%) of the remaining monthly payments due on the Agreement once the termination is effective.

**7. Confidentiality**

The shared office space at My Office & More has been intentionally designed to be open to enable connections between businesses. It is the responsibility of Members to respect the rights of privacy and non-disclosure of fellow Members and guests.

Member  
Initials:

**8. Internet Access**

Member agrees to use wired and wireless internet connections (Internet) for lawful purposes only. Member will not use the Internet in any manner that could damage, disable, overburden, or impair any Space Provider servers or networks nor interfere with any other party's use of the Internet.

Member may not attempt to gain unauthorized access to any Services, accounts, computer systems or networks connected to any Space Provider server or networks through hacking, password mining, or by any other means. Member may not obtain or attempt to obtain any materials or information through means not intentionally made available through the Internet.

**9. Pets**

No pets are permitted in the Space.

**10. Space and Building Policies**

The following policies will govern the use of the Space and Building:

- a. Smoking is not permitted.
- b. Use of open flames, including candles, is not permitted.
- c. Alcohol shall not be served or consumed on the premises.

**11. Insurance Requirement**

During the Membership Term, Member will be responsible for carrying insurance at his/her own expense to cover his/her personal and business property. The Space Provider has no responsibility for any of the Member's property.

It is highly recommended that Member carry general liability insurance in not less than the following limits:

Bodily Injury	\$1,000,000/\$2,000,000
Property Damage	\$ 500,000

If Member elects to not obtain general liability insurance, it will not limit nor eliminate Member's personal liability. If general liability insurance is obtained, Member shall include Space Provider as an additional insured on the insurance, naming the additional insured as primary and non-contributory.

**12. Surveillance Equipment**

Although the Member has the ultimate responsibility for taking all measures to insure the Member's and its guests safety, Space Provider shall assist in that regard by conducting video surveillance, at all times, in multiple areas of the Space and Building except for the restroom areas. By signing this Agreement, Member hereby consents to said video surveillance.

Member  
Initials:

**13. Modification of Agreement**

The terms of this Agreement may be updated or modified by the Space Provider at its option. Member will be notified of any changes to the Agreement at least thirty (30) days before the changes become effective. Member may either 1) continue to be a Member and indicate agreement by signing an amendment, or 2) choose to terminate the Agreement. Any termination of this Agreement pursuant to this Section shall be effective when the Agreement changes become effective and subject to the Termination of Membership provision.

**14. Business Tax Receipt**

Any Member that is entitled to exterior signage must purchase Business Tax Receipts from the City of Lakeland and Polk County. For purposes of the City of Lakeland's Business Tax Receipt, the Member's square footage usage is 100 square feet. The Member shall provide evidence of its Business Tax Receipts prior to being included on the exterior signage.

**15. Entire Agreement**

This Agreement constitutes the entire and final agreement between the Space Provider and the Member and supersedes any and all prior oral or written agreements or discussions. It cannot be amended except in written form executed by both parties.

**16. Damage, Destruction, or Condemnation**

Should the Space be unavailable due to damage by fire, act of God, catastrophe, war, or accident, or in the event of destruction or condemnation of the premises, the Space Provider will have reasonable time to reconstruct the premises or find suitable replacement thereof within a close proximity of the present Space.

**17. Waiver of Liability**

Each Member agrees to indemnify and hold the Space Provider harmless from and against all liability of every kind and nature arising out of food and drink provided by such Member or Member's guest to guests and other members.

Member is solely responsible for loss of and/or damage or theft to its equipment and belongings brought or used at the Space and Building.

Member understands and acknowledges that use of the Space and Building may expose the Member and Member's guests to inherent risks, including accidents, injury, illness, or even death. Member assumes all risk of injuries associated with use of the Space including those of its guests.

The Member agrees, for himself/herself and any guest(s) brought to the Space and Building or anyone entitled to act on Member's behalf or direction, to HOLD HARMLESS, WAIVE, AND RELEASE the Space Provider, its officers, agents, employees, members, organizers, representatives, and successors from any responsibility, liabilities, demands, or claims of any kind arising out of use of the Space and Building.

Member understands and acknowledges that he/she has read and understands this Waiver of Liability and that Member is aware that this is a waiver and release of liability and voluntarily agrees to its terms.

Member  
Initials:

**18. Acknowledgements**

The Member acknowledges that this Agreement is not a rental agreement and that it does not confer upon the Member any property interest in the Space whatsoever.

The Member acknowledges that they have read and understood all Terms and Conditions contained in this Agreement and further agrees to be bound to the Agreement regarding participation and use of the Space.

**19. Notices**

All notices required by this Agreement shall be tendered to the Space Provider as follows, unless Member receives written notice from the Space Provider instructing otherwise:

My Office & More  
122 E Main Street, 2<sup>nd</sup> Floor  
Lakeland, FL 33801

**20. Jurisdiction**

To the full extent permissible by law, for purposes of any dispute arising out of the Agreement, parties agree to submit to the sole and exclusive jurisdiction of the State of Florida and the application of Florida law.

**ACCEPTED BY:**

**MEMBER:**

George Byfield

Name (Printed, No Title)




Signature (No Title)

9 / 14 / 2021

Date

**MY OFFICE & MORE:**

Katherine Lake, President



Katherine Lake

9/14/21


Date

## Madrid Engineering Group

Madrid Engineering Group's main office has been located at 2030 State Road 60 East, Bartow, Polk County, Florida for approximately 15 years. The company has maintained an office in Polk County since 1994 as detailed below:

- 175 E. Summerlin Street, Bartow, FL 33830 (mid-1994 to April 2007)
- 970 A East Main Street, Bartow, FL 33830 (April 2007 to April 2008)
- 2030 State Road 60 East, Bartow, FL 33830 (April 2008 to present)

TO VERIFY AUTHENTICITY, SEE REVERSE SIDE FOR DESCRIPTION OF THE 11 SECURITY FEATURES



### City of Bartow, Florida

## BUSINESS TAX RECEIPT

2030 SR 60 E

LOCATION OF BUSINESS

This Business Tax Receipt is to be displayed conspicuously at the location of business, and is not transferable or assignable

MADRID ENGINEERING GROUP, INC  
d/b/a MADRID CPWG  
2030 SR 60 E  
BARTOW FL 33830

EXPIRATION DATE 9/30/2023	
DATE ISSUED 10/07/2022	TAX RECEIPT # 00629
BUSINESS TAX RECEIPT FOR  ENGINEERS	

A Business Tax Receipt is hereby issued by the city of Bartow, Florida to the following party to engage in or manage the business, profession or occupation shown, pursuant to the indicated subsection of Bartow code

*Josephine Polce*  
City Clerk

Madrid Engineering Group – Local Office City of Bartow Business Tax Receipt

## Mapping Enterprise, LLC

Mapping Enterprise, LLC is a minority business enterprise within Polk County, FL established in May 2023.

## Patel, Green & Associates, LLC

Patel, Green and Associates, LLC located their first office in Bartow (Polk County) in 2012.

**POLK COUNTY LOCAL BUSINESS TAX RECEIPT**

ACCOUNT NO. 200971      CLASS: A      EXPIRES: 09/30/2023

<b>OWNER NAME</b>	<b>LOCATION</b>
GORDON M GREENE	215 E MAIN ST BARTOW
<b>BUSINESS NAME AND MAILING ADDRESS</b>	<b>CODE    ACTIVITY TYPE</b>
GNK VENTURES LLC GNK VENTURES LLC 215 E MAIN ST BARTOW, FL 33830	530000    LTD PROP SALES LEASING EQUIP RENTAL
<b>OFFICE OF JOE G. TEDDER, CFC * TAX COLLECTOR</b>	THIS POLK COUNTY LOCAL BUSINESS TAX RECEIPT MUST BE CONSPICUOUSLY DISPLAYED AT THE BUSINESS LOCATION

PAID - 951225    09/28/2022    OPY      OLP 31.50    GNK VENTURES LLC

Patel, Greene & Associates – Local Office Polk County Business Tax Receipt

IS THE FIRM A "POLK COUNTY ENTITY"?

## RAYL Engineering and Surveying

Since its founding in 2009, Rayl Engineering & Surveying, LLC has been headquartered in Polk County. The headquarters and local office has been located at 810 E Main Street, Bartow, FL 33830 for two years.

### FLORIDA COMMERCIAL LEASE AGREEMENT

THIS COMMERCIAL LEASE AGREEMENT hereinafter known as the "Lease" is entered into this 28th day of July, 2021, ("Effective Date") by and between

Morena B Lowers with mailing address at 855 S Oak Ave  
Bartow, FL 33830 hereinafter referred to as the "Lessor,"

And

Rayl Engineering and Surveying, LLC with mailing address at 2505 US Hwy  
175 Bartow, FL 33830 hereinafter referred to as the "Lessee,"  
collectively referred to herein as "the Parties."

WHEREAS, the Lessor desires to lease the Premises defined herein to the Lessee under the terms and conditions as set forth herein; and

WHEREAS, the Lessor desires to lease the Premises defined herein from the Lessor under the terms and conditions set forth herein.

NOW THEREFORE, for and in consideration of the covenants and obligations set forth herein and of other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties hereby agree as follows:

**1. THE PREMISES.** In accordance with the terms and conditions of this Lease, the Lessor hereby agrees to lease to the Lessee the property described below together with all the improvements thereto:

Address: 810 E Main Street, Bartow, FL 33830

Floor and/Unit Number: n/a

Net Floor Area: n/a

Hereinafter known as the "Premises".

The Lessee hereby leases and takes from the Lessor the Premises and confirms that the floor numbers and/or unit numbers of the Premises referred to above are designated by The Lessor.

**2. PERMITTED USE.** Lessee agrees to continuously and at all times use and occupy the Premises during the Lease Term solely for the Permitted Use(s) as specified below ("Permitted Use"):

Business Office for Engineering and Survey Business

TAB 5

# Is the Firm a “Certified Woman or Minority Business Enterprise”?

Black & Veatch is pleased to have assembled some of Polk County’s best Certified Woman or Minority Business Enterprise consultants to support Polk County Utilities in this engagement. The Black & Veatch team is supported by five subconsultants who are Certified Woman or Minority Business Enterprises (W/MBE). Certifications for these subconsultants are provided on the following pages.

FIRM	ROLE/SERVICES	LOCAL OFFICE	CERTIFICATION	CERTIFYING ENTITY
<b>Borrelli + Partners</b>	Architectural Services	720 Vassar Street, Orlando, FL 32804	MBE	Polk County
<b>Comet Media Group</b>	Public involvement services, including technical assistance for preparation of public information brochures	122 East Main Street, Suite 328, Lakeland, FL 33801	MBE	State of Florida
<b>ECHO Utility Engineering and Survey</b>	Land surveying; Subsurface utility engineering and locating	4803 George Rd., Suite 350, Tampa, FL 33634	MBE	Polk County
<b>Madrid Engineering Group</b>	Geotechnical Engineering	2030 State Road 60 East, Bartow, FL 33830	WBE (previously MBE)	Polk County
<b>Patel, Green &amp; Associates</b>	Civil Engineering; Right-of-way and easement acquisition services	215 East Main Street, Bartow, FL 33830	MBE	Polk County

IS THE FIRM A "CERTIFIED WOMAN OR MINORITY BUSINESS ENTERPRISE"?

## CERTIFICATIONS

### Borelli + Partners



### Comet Media Group



### ECHO Utility Engineering and Survey



### Patel, Green & Associates



**Madrid Engineering Group**

Madrid Engineering Group, Inc. dba Madrid CPWG (Madrid) has been known for years in this region as a widely respected MBE firm under the sole ownership of Larry Madrid, PE who was of Hispanic heritage. Unfortunately, Mr. Madrid passed away in June of 2021. Thankfully, merger transition had begun before his passing which ultimately led to a relatively smooth transfer of ownership to become a woman-owned business. Over the years, Madrid has been certified and/or recognized as a W/MBE and/or DBE company with multiple agencies and organizations, some of which are listed below. Madrid is now owned and managed by its president, Sheila Tarte. As such, beginning in 2022, Madrid once again became a certified W/MBE with the State of Florida, Polk County, and other agencies. They are also in the process of re-establishing similar certifications with other agencies where this had lapsed.

Entities for which Madrid is certified:

ENTITY	STATUS
State of Florida Office of Supplier Diversity	re-establishing
FDOT DBE – Florida Department of Transportation Disadvantaged Business Enterprise	current
Florida Unified Certification Program DBE	current
Florida Minority Supplier Development Council, FL Certificate Number FL03698	re-establishing
Central and North Florida Minority Supplier Diversity Council (cnFMSSDC)	re-establishing
Polk County MBE (recognizes the cnFMSSDC and FDOT DBE certifications)	current

Some of these agency certifications were re-established in 2022 and some are underway. The key ones needed for Polk County W/MBE status are current and active at the time of this submittal.

The screenshot shows a 'Vendor Directory' search interface. A search bar at the top contains the text 'search'. Below the search bar is a button labeled 'All Vendors'. The results section is titled 'Results' and features a table with columns for 'VENDOR', 'IS W/MBE', 'VETERAN', and 'DISABLED VETERAN'. A single result is displayed for 'MADRID ENGINEERING GROUP', which is marked as 'IS W/MBE' (checked), 'VETERAN' (unchecked), and 'DISABLED VETERAN' (unchecked). The interface also includes an 'Export' button, a pagination control showing 'Showing 1 to 1 of 1 results', and a page size of '20'. The Polk County logo is visible at the bottom of the directory page.

The screenshot shows a detailed entry from the 'Florida UCP DBE Directory'. It includes the following information:

- Number of Records Returned:** 1
- Selection Criteria:** Vendor: MADRID ENGINEERING GROUP INC DBA MADRID CPWG
- Vendor Name:** MADRID ENGINEERING GROUP INC DBA MADRID CPWG
- DBE Certification:** CERTIFIED
- MBE Certification:** (blank)
- DBA:** (blank)
- Former Name:** (blank)
- Business Description:** GEOTECHNICAL ENGINEERING, DRILLING, CEILING MATERIALS TESTING SERVICES
- Mailing Address:** 3816 N HIGHLAND AVE, TAMPA, FL 33603
- Contact Name:** SHEILA TARTE
- Phone:** (813) 332-3490
- Fax:** (blank)
- Email:** SHEILA.TARTE@MADRIDCPWG.COM
- ACDBE Status:** N
- Statewide Availability:** Y
- Certified NAICS:** 541611 Administrative Management and General Management Consulting Services



# Interactions with County and Regulatory Agency Staff

Success with regulatory agency approvals is an essential component of the project delivery process. **With timely regulatory approvals, project designs are cost efficient, schedules remain on time, and project budgets remain within boundaries.** We apply a full-service, proactive approach to regulatory approvals by engaging all regulatory agency staff members early in the design process and treat agency staff as stakeholders. This proactive approach ensures agency requirements and comments are understood early in the design life cycle, thus avoiding redesign costs and delays in delivery.

With our team's extensive experience with designing and constructing projects within Central Florida, Polk County will receive top-notch service and avoid costly delays. Our key personnel maintain excellent relationships with Southwest Florida Water Management District (SWFWMD), South Florida Water Management District (SFWMDC), Polk County, Florida Department of Transportation (FDOT), Florida Department of Environmental Protection (FDEP), and Polk County Health Department (DOH) staff. Our key personnel have successfully obtained permits and assisted in compliance assurance for the types of projects contemplated under this contract.

Our proactive permitting strategies ensure there is a mutual understanding of project objectives and how the objectives are consistent with regulatory requirements and include:

- Early identification and coordination with key regulatory staff
- Conducting pre-application meetings
- Submittal of draft application packages for review and comments
- Timely submittal of responses to requests for information

The Black & Veatch team includes our staff and local subconsultants with direct and relevant experience working both with and for regional and state agencies. Our key personnel have specialized experience in the following permitting programs:

- Water/Consumptive Use Permitting (S/SWFWMD)
- Water Well Construction Permitting (S/SWFWMD)
- Environmental Resource Permitting (FDEP)
- Water Facilities Permitting (DOH)
- Wastewater Facilities Permitting (FDEP)
- Biosolids Permitting (FDEP)
- Reclaimed Water Facilities Permitting (DOH/FDEP)
- Consent orders (FDEP/USEPA)

We understand that once facilities are permitted and built, compliance assurance is an ongoing concern. Black & Veatch key personnel are highly skilled in providing support services, including certifying facilities for service, inspection support, and compliance reporting. **We are actively working on a dashboard to support Compliance Monitoring for the Utilities Environmental Manager.**

In the unexpected circumstance that compliance issues arise, Black & Veatch key personnel have specialized expertise in consulting with agency staff and negotiating terms of compliance agreements, including consent orders.

The Black & Veatch team brings experience and excellent relationships with other agencies that may exert regulatory jurisdiction, including the FDOT, Florida Fish and Wildlife Conservation Commission (FFWCC), U.S. Environmental Protection Agency (USEPA), and U.S. Army Corps of Engineers. Our key personnel and Technical Advisors have successfully obtained permits from each of these agencies.

# Surveys of Past Performance

On the following pages we have included the Surveys of Past Performance for the following clients:

1. Polk County Utilities – WWTF Data Collection
2. City of Lakeland – Regional Biosolids Study
3. City of North Port – Water master Plan & General Services
4. Tampa Bay Water – Surface Water Treatment Plant Energy Audit
5. City of Fort Myers – Raw Water Transmission Mains
6. Peace River Manasota Regional Water Supply Authority – Vulnerability Assessment
7. City of Venice – Eastside WRF Permitting Support



Polk County Utilities - WWTF Data Collection

### Survey Questionnaire – Polk County

#### RFP 23-448, Utilities Design Services & Regulatory Services

To: Charles Nichols (Name of Person completing survey)  
Polk County Utilities (Name of Client Company/Contractor)  
 Phone Number: 863-298-4215 Email: charlesnichols@polk-county.net

Subject: Past Performance Survey of Similar work:  
 Project name: WWTF Data Collection - CSA 18-066-01 / 6897003 / 2018-19-70-0

Name of Vendor being surveyed: Black & Veatch Corporation

Cost of Services: Original Cost: \$98,995 Ending Cost: \$98,995

Contract Start Date: October 2019 Contract End Date: February 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)	9
2	Ability to maintain project schedule (complete on-time/early)	(1-10)	8
3	Quality of workmanship	(1-10)	9
4	Professionalism and ability to manage	(1-10)	10
5	Close out process	(1-10)	9
6	Ability to communicate with Client's staff	(1-10)	8
7	Ability to resolve issues promptly	(1-10)	8
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)	9

Printed Name of Evaluator Charles Nichols

Signature of Evaluator: *Charles Nichols*

Please fax or email the completed survey to: SkidmoreL@bv.com

City of Lakeland - Regional Biosolids Study

Survey Questionnaire – Polk County

RFP 23-448, Utilities Design Services & Regulatory Services

To: David Bayhan, Jr., PE (Name of Person completing survey)
City of Lakeland (Name of Client Company/Contractor)
Phone Number: 863-834-6170 Email: David.Bayhan@lakelandgov.net

Subject: Past Performance Survey of Similar work:
Project name: Lakeland Regional Biosolids Study
Name of Vendor being surveyed: Black & Veatch Corporation
Cost of Services: Original Cost: \$50,000 Ending Cost:
Contract Start Date: August 2021 Contract End Date: April 2022

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.

Table with 4 columns: NO, CRITERIA, UNIT, SCORE. Rows include criteria like 'Ability to manage cost', 'Ability to maintain project schedule', 'Quality of workmanship', etc.

Printed Name of Evaluator David E. Bayhan Jr
Signature of Evaluator: [Handwritten Signature]
Please fax or email the completed survey to: SkidmoreL@bv.com

City of North Port - Water Master Plan & General Services

### Survey Questionnaire – Polk County

#### RFP 23-448, Utilities Design Services & Regulatory Services

To: Michael Acosta (Name of Person completing survey)  
 City of North Port (Name of Client Company/Contractor)  
 Phone Number: 941-240-8010 Email: macosta@northportfl.gov

Subject: Past Performance Survey of Similar work:  
 Project name: Water Master Plan & Water Supply Facilities 10-yr Work Plan Update

Name of Vendor being surveyed: Black & Veatch Corporation

Cost of Services: Original Cost: \$499,650 Ending Cost: \$499,650

Contract Start Date: October 2021 Contract End Date: June 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 Michael Acosta

Signature of Evaluator: Michael Acosta Digitally signed by Michael Acosta  
Date: 2023.06.26 14:50:52 -04'00'

Please fax or email the completed survey to: SkidmoreL@bv.com

Tampa Bay Water - Surface Water Treatment Plant Energy Audit

**Survey Questionnaire – Polk County**

**RFP 23-448, Utilities Design Services & Regulatory Services**

To: Danielle Keirse (Name of Person completing survey)  
Tampa Bay Water (Name of Client Company/Contractor)  
 Phone Number: 727-791-2377 Email: DKeirse@tampabaywater.org

Subject: Past Performance Survey of Similar work:  
 Project name: Surface Water Treatment Plant Energy Audit  
 Name of Vendor being surveyed: Black & Veatch Corporation  
 Cost of Services: Original Cost: \$187,547 Ending Cost: \$177,547  
 Contract Start Date: February 2020 Contract End Date: November 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 Danielle Keirse  
 Signature of Evaluator: *DKeirse*  
 Please fax or email the completed survey to: SkidmoreL@bv.com

**Survey Questionnaire – Polk County**

**RFP 23-448, Utilities Design Services & Regulatory Services**

To: Richard Moulton (Name of Person completing survey)  
 City of Fort Myers (Name of Client Company/Contractor)  
 Phone Number: 239-321-7216 Email: RMoulton@cityftmyers.com

Subject: Past Performance Survey of Similar work:

Project name: Raw Water Transmission Mains

Name of Vendor being surveyed: Black & Veatch Corporation

Cost of Services: Original Cost: \$734,000 Ending Cost: \$734,000

Contract Start Date: February 2021 Contract End Date: Ongoing

**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 Richard Moulton

Signature of Evaluator: 

Please fax or email the completed survey to: SkidmoreL@bv.com

Peace River Manasota Regional Water Supply Authority - Vulnerability Assessment

Survey Questionnaire – Polk County

RFP 23-448, Utilities Design Services & Regulatory Services

To: Terri Holcomb, PE (Name of Person completing survey)

Peace River Manasota Regional Water Supply Auth. (Name of Client Company/Contractor)

Phone Number: 941-316-1776 Email: THolcomb@regionalwater.org

Subject: Past Performance Survey of Similar work:

Project name: Vulnerability Assessment

Name of Vendor being surveyed: Black & Veatch Corporation

Cost of Services: Original Cost: \$89,500 Ending Cost: \$89,500

Contract Start Date: May 2022 Contract End Date: September 2022

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.

Table with 4 columns: NO, CRITERIA, UNIT, SCORE. Rows 1-13 listing various performance criteria and their scores.

Printed Name of Evaluator Terri S. Holcomb

Signature of Evaluator: [Handwritten Signature]

Please fax or email the completed survey to: SkidmoreL@bv.com

**Survey Questionnaire – Polk County**

**RFP 23-448, Utilities Design Services & Regulatory Services**

To: Javier A. Vargas, MPA (Name of Person completing survey)  
 City of Venice (Name of Client Company/Contractor)  
 Phone Number: 941-486-2788 Ext. 7300 Email: JVargas@venicefl.gov

Subject: Past Performance Survey of Similar work:

Project name: Eastside WRF Permitting Support

Name of Vendor being surveyed: Black & Veatch Corporation

Cost of Services: Original Cost: \$55,000 Ending Cost: \$55,000

Contract Start Date: April 2021 Contract End Date: January 2022

**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)	9
3	Quality of workmanship	(1-10)	9
4	Professionalism and ability to manage	(1-10)	10
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)	9
8	Ability to follow protocol	(1-10)	9
9	Ability to maintain proper documentation	(1-10)	9
10	Appropriate application of technology	(1-10)	9
11	Overall Client satisfaction and comfort level in hiring	(1-10)	9
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)	9

Printed Name of Evaluator Javier A. Vargas

Signature of Evaluator: 

Please fax or email the completed survey to: SkidmoreL@bv.com











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**Fran McAskill**  
*Director*  
**Procurement Division**



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P.O. Box 9005, Drawer AS05  
Bartow, Florida 33831-9005  
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[www.polk-county.net](http://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.;<br>and further defined in the Polk County Employee Handbook. |
| 4. Pre-approved Equipment<br>(includes purchase and rental of equipment used in project) | Actual Costs   |