



**BEFORE THE CITY COMMISSION
CITY OF STUART, FLORIDA**

RESOLUTION NUMBER 10-2020

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF STUART, FLORIDA TO AWARD RFP NO. 2020-101: PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES TO EW CONSULTANT, INC., OF STUART FLORIDA, ENGINEERING DESIGN & CONSTRUCTION, INC., OF PORT SAINT LUCIE, FLORIDA, TETRA TECH OF STUART, FLORIDA, AND CARDNO OF STUART, FLORIDA ON AN "AS NEEDED" BASIS.

* * * * *

NOW THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF STUART, FLORIDA that:

SECTION 1: The City Commission of the City of Stuart hereby approves the award of RFP #2020-101: Professional Environmental Consulting Services to the four top ranked firms, EW Consultant, Inc., Engineering Design & Construction, Inc., Tetra Tech, and Cardno with authorization to execute final agreements subsequent to review and approval by the City Attorney.

Resolution 10-2020

Commissioner GLASS LEIGHTON offered the foregoing resolution and moved its adoption. The motion was seconded by Commissioner CLARKE and upon being put to a roll call vote, the vote was as follows:

MICHAEL J. MEIER, MAYOR
EULA R. CLARKE, VICE MAYOR
BECKY BRUNER, COMMISSIONER
KELLI GLASS LEIGHTON, COMMISSIONER
MERRITT MATHESON, COMMISSIONER

YES	NO	ABSENT	ABSTAIN
Y			
Y			
Y			
Y			
Y			

ADOPTED this 27TH day of January, 2020.

ATTEST:

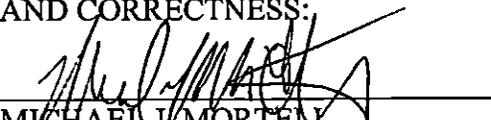


MARY R. KINDEL
CITY CLERK

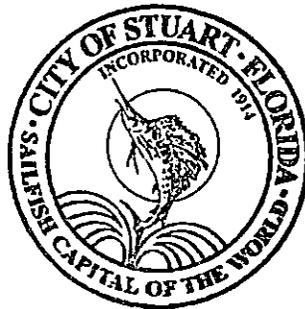


MICHAEL J. MEIER
MAYOR

APPROVED AS TO FORM
AND CORRECTNESS:



MICHAEL J. MORTELL
CITY ATTORNEY





STANDARD CONTRACT

CONTRACTOR: Tetra Tech
759 South Federal Hwy, Suite 314
Stuart, Florida 34994

PROJECT: RFP #2020-101: Professional Environmental Consulting Services

CONTRACT FOR SERVICES

THIS AGREEMENT, hereinafter "Contract," made and entered into the 27 day of Jan., 2019²⁰ by and between Tetra Tech hereinafter referred to as "Professional" and the City of Stuart, Florida, a municipal corporation, 121 SW Flagler Avenue, Stuart, Florida 34994, hereinafter referred to as "City", for and in consideration of the following terms, conditions and covenants.

I. PURPOSE OF CONTRACT

The City intends to enter into a contract with Professional for provision of Environmental Consulting Services by the Professional and the payment for those services by City as set forth below.

II. SCOPE OF SERVICES

The Professional shall provide professional consulting services in all phases of any project for which a PURCHASE ORDER has been issued by the City pursuant to this Agreement as hereinafter provided on an as needed basis. These services will include serving as City's professional consulting representative for the Project, providing professional consulting consultation and advice and furnishing customary Environmental Consulting Services incidental thereto as described on the PURCHASE ORDER.

Section 1. Scope of Service

The Professional shall perform the work with City staff in advising the City and the City Commission regarding Environmental Consulting Services. The services will be those customarily attendant Environmental Consulting Services including, but not limited to the following:

- A. Environmental audits of development packages
- B. Environmental code revisions
- C. Environmental site assessments, phase 1 and phase 2
- D. Preliminary wetland and protected species assessments
- E. Environmental Permitting
- F. Wetland and preserve area management
- G. General consultation and coordination

Assignment of tasks to the Professional will be at the sole discretion of the City. The Professional agrees to assist the City to conform to the annual budget amount for general Consulting work as established by the City. Work performed under this task shall be by Project Authorization describing the Scope, Schedule and Budget for each Project. The format for a Project Authorization shall be provided by the Professional. The City may choose to select any other firm or use in-house staff to perform any of the items described in this document in whole or in part in accordance with the Consultants' Competitive Negotiation Act (CCNA). Project assignments will be subject to scope definition on a task-by-task basis. Services will be completed in a timely manner and as agreed to in writing between the City and Professional prior to beginning of any work.

Environmental Consulting Services - Provide Environmental Consulting Services as required by the CITY. Provide Professional Continuing Environmental Consulting Services for the environmental audits of development packages, environmental code revisions, environmental site assessments, preliminary wetland and protected species assessments, permitting and general consultation and coordination. Provide Professional Continuing Environmental Consulting Services for the Public Works Department to include all of the above and wetland and preserve area management. CONSULTANT will endeavor to perform in a manner consistent with the degree of care and skill exercised by members of the same profession under similar current circumstances.

- Provide environmental code revisions as directed by the City
- Provide environmental site assessments
- All completed projects shall include a minimum of five (5) hard copy reports signed and sealed by the Professional in responsible charge.
- Shall provide environmental audits of development packages
- Staff Assistance - Provide assistance and consulting advice to CITY staff.
- Meetings and Representation - Attend meetings on behalf of and represent the CITY on technical issues as requested.

III. CONTRACT PROVISIONS

Section 1. Period of Service

1.1 Term of Contract

Upon award of this Contract, the effective date of this Contract shall be the date of execution of this Contract by both City and Professional. Term of this contract shall be for an initial period of one (1) year with the option of two (2) additional one (1) year renewals, upon the mutual written agreement of the parties.

Section 2. Compensation and Method of Payment

2.1 Fee Schedule

The Professional agrees to provide the services and/or materials as specified in the Contract Documents at the cost specified in Exhibit A. Except as otherwise provided in the solicitation, no amount shall be paid to Professional to reimburse Professional's expenses.

2.2 Invoices

Professional may submit invoices for compensation no more often than monthly, but only after

the services for which the invoices are submitted have been completed. An original invoice is due within fifteen (15) days of the end of the month except the final invoice which must be received no later than sixty (60) days after this Agreement expires. Invoices shall designate the nature of the services performed and/or the goods provided.

2.3 Payment

City shall pay Professional within forty-five (45) days of receipt of Contractor's proper invoice, as provided in the Florida Local Government Prompt Payment Act.

To be deemed proper, all invoices must comply with the requirements set forth in this Agreement and must be submitted pursuant to instructions prescribed in this agreement. Payment may be withheld for failure of Contractor to comply with a term, condition, or requirement of this Agreement.

Notwithstanding any provision of this Agreement to the contrary, City may withhold, in whole or in part, payment to the extent necessary to protect itself from loss on account of inadequate or defective work that has not been remedied or resolved in a manner satisfactory to the City or failure to comply with this Agreement.

Section 3. Guarantee

The Professional guarantees to repair, replace or otherwise make good to the satisfaction of the City any damage caused during the work. Contractor further guarantees the successful performance of the work for the service intended. If the City deems it inexpedient to require the Contractor to correct deficient or defective materials or labor, an equitable deduction from the contract price shall be made therefore or in the alternative the City may sue for damages, or both.

Section 4. Audit

The Professional agrees that the City or any of its duly authorized representatives shall, until the expiration of three years after expenditure of funds under this Agreement, have access to and the right to examine any directly pertinent books, documents, papers, and records of the Contractor involving transactions related to this Agreement. The Professional agrees that payment(s) made under this Agreement shall be subject to reduction for amounts charged thereto which are found on the basis of audit examination not to constitute allowable costs under this Agreement. The Professional shall refund by check payable to the City the amount of such reduction of payments. All required records shall be maintained until an audit is completed and all questions arising therefrom are resolved, or three years after completion of the project and issuance of the final certificate, whichever is sooner.

Section 5. Professional Responsibility

5.1 Independent Contractor

The Professional is an independent contractor and is not an employee or agent of the City. Nothing in this Agreement shall be interpreted to establish any relationship other than that of an independent contractor, between the City and the Contractor, its employees, agents, subcontractors, or assigns, during or after the performance of this Agreement.

5.2 Responsibility for Work

The Professional shall take the whole responsibility of the Agreement Work and shall bear all

losses resulting to him because of bad weather, or because of errors or omissions in his or its bid on the Agreement price, or except as otherwise provided in the Agreement Documents because of any other causes whatsoever.

5.3 Contractor's Records

As a condition precedent to Contractor filing any claim against City, Contractor shall make available to City all of Contractor's books and records (directly or indirectly related to the claim of Contractor's business) requested by City. Refusal to do so shall constitute a material breach of this contract and cause for dismissal of any litigation.

Section 6. Termination

6.1 Termination for Convenience

Either party upon a thirty (30) day written notice to the other party may terminate this Contract. In the event of any termination, Contractor shall be paid for all services rendered to the date of termination including all authorized reimbursable expenses.

6.2 Termination for Cause

The performance of the Contract may be terminated by the City of Stuart in accordance with this clause, in whole or in part, in writing, whenever the City shall determine that the contractor has failed to meet performance requirement(s) of the Contract. If the successful bidder should be adjudged bankrupt, or if he should make a general assignment for the benefit of his creditors, or if a receiver should be appointed on account of his insolvency, or if he should fail to provide properly skilled personnel or proper service in the sole discretion of the City, then the City can, after giving the successful bidder seven (7) days written notice, and without prejudice to any other right or remedy, terminate this Contract.

Section 7. City's Obligations

7.1 Project Manager

The Project Manager for the City with the authority to act on the City's behalf with respect to all aspects of the Project is:

Dave Peters, Public Works Director
[772-781-3472 x5292](tel:772-781-3472)

The Project Manager for the Contractor with authority to act on the Contractor's behalf with respect to all aspects of the Project is:

Brian Proctor, Vice President and Southeast Operations Manager
[772-288-1292](tel:772-288-1292)

Section 8. Persons Bound by Contract

8.1 Parties to the Contract

The persons bound by this Contract are the Contractor and the City and their respective partners, successors, heirs, executors, administrators, assigns and other legal representative.

8.2 Assignment of Interest in Contract

This Contract and any interest or services associated with this Contract may not be assigned, sublet or transferred to another by either party without the prior written consent of the other party. Nothing contained herein shall be construed to prevent Contractor from employing such independent Contractors, associates and subcontractors as Contractor may deem appropriate to assist in the performance of the services hereunder.

8.3 Other Entity Use

The successful Contractor may be requested to convey its proposal prices, contract terms and conditions, to municipalities or other governmental agencies within the State of Florida.

8.4 Rights and Benefits

Nothing herein shall be construed to give any rights or benefits arising from this Contract to anyone other than Contractor and the City.

Section 9. Indemnification of City

Contractor assumes the entire responsibility and liability for all damages or injury to all persons, and to all property, caused by the Contractor or Contractor's employees, agents, consultants or sub-contractors, and Contractor shall to the fullest extent allowed by law, indemnify and hold harmless the CITY, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, omission, or intentional conduct of the Contractor and other persons employed or utilized by the Contractor in the performance of the contract. Specific consideration for this indemnity is \$10.00, the receipt and sufficiency of which are hereby acknowledged by Contractor.

Section 10. Insurance.

10.1. Requirements

Contractor shall procure and maintain insurance, in the amounts noted in the Request for Proposal which names the Contractor, its officers, board members, employees and agents as additional insured on General Liability and Automobile Liability insurance policies. Such certificate must contain a provision for notification of the City 30 days in advance of any material change or cancellation. The City by and through its Risk Manager, reserves the right to review, modify, reject or accept any required policies of insurance, including limits coverages or endorsements, herein from time to time throughout the term of this contract. All insurance carriers must have an A.M. Best Rating of at least A:VII or better. When a self-insured retention or deductible exceeds \$5,000, the City reserves the right, but not the obligation, to review and request a copy of contractor's most recent annual report or audited financial statement. All contractors, including any independent contractors and subcontractors utilized, must comply with the insurance requirements as set forth in the documents identified and listed in the Request for Proposal.

10.2 Certificate of Insurance

Certificates of all insurance required from the Contractor shall be attached to this agreement and

shall be subject to the City's approval for adequacy.

Section 11. Professional Standards

All work performed by Contractor will be in accordance with all applicable governmental regulations.

Section 12. Non-Appropriation

This Contract is deemed effective only to the extent of the annual appropriations available.

Section 13. General Conditions

13.1 Venue in Martin County

Jurisdiction a venue for any lawsuit to enforce the terms and obligations of this Contract shall lie exclusively in the County Court or the Circuit Court in and for Martin County, Florida.

13.2 Laws of Florida

The validity, interpretation, construction, and effect of this Contract shall be in accordance with and governed by the laws of the State of Florida.

13.3 Attorney's Fees and Costs

In the event the Contractor breaches or defaults in the performance of any of the terms, covenants and conditions of this Contract, the Contractor agrees to pay all damages and costs incurred by the CITY in the enforcement of this Contract, including reasonable attorney's fees, court costs and all expenses, even if not taxable as court costs, including, without limitation, all such fees, costs and expenses incident to appeals incurred in such action or proceeding.

13.4 Mediation as Condition Precedent to Litigation

Prior to the initiation of any litigation by the parties concerning this Contract, and as a condition precedent to initiating any litigation, the parties agree to first seek resolution of the dispute through non-binding mediation. Mediation shall be initiated by any party by serving a written request for same on the other party. The parties shall, by mutual agreement, select a mediator within 15 days of the date of the request for mediation. If the parties cannot agree on the selection of a mediator then the CITY shall select the mediator who, if selected solely by the CITY, shall be a mediator certified by the Supreme Court of Florida. The mediator's fee shall be paid in equal shares by each party to the mediation.

13.5 Contract Amendment

The City reserves the right to delete, add or revise locations under this proposal at any time during the contract term when and where deemed necessary. If any locations are added or deleted from the contract, the rate quoted shall be used to determine the adjusted contract price.

No modification, amendment or alteration in the terms or conditions contained in this Contract shall be effective unless contained in a written documents executed with the same formality and of equal dignity herewith. This Contract constitutes the entire agreement between the parties, and no prior, or

contemporaneous oral agreement shall be binding on either party. If either party fails to enforce a portion of this entire Contract, it shall not constitute a waiver of the same.

13.6 Contractual Authority

By signing this Contract the Contractor swears or affirms, under penalty of perjury, that this is a valid act of the Contractor, and that no later claim shall be made by the CONTRACTOR that the Contract is invalid or an *ultra vires* act, by reason of a failure to have the proper authority to execute the Contract. In the event that a court of competent jurisdiction later determines that the Contract is or would be null and void for failure of the signatory to have proper or complete authority, this Contract shall nonetheless be deemed valid under the theory of “apparent authority,” or in the sole alternative of the City, shall be deemed to be the act of the signatory, as an individual, who shall be fully responsible for its complete performance.

13.7 Sovereign Immunity

Nothing contained herein shall be construed or interpreted as a waiver of the sovereign immunity liability limits established under chapter 768.20 Florida Statutes as amended.

Section 14. Public Records

Note: If the Contractor has questions regarding the application of Chapter 119, Florida Statutes, to the Contractor’s duty to provide public records relating to this contract, contact the office of the City Clerk as the custodian of Public Records for the City of Stuart, and all the respective departments at 772-288-5306 or email mkindel@ci.stuart.fl.us, City of Stuart, City Clerk 121 SW Flagler Avenue, Stuart, Fl. 34994 per F.S. 119.12.

In compliance with F.S. 119.0701 the Contractor shall:

- a) Keep and maintain public records required by the public agency to perform the service.
- b) Upon request from the public agency’s custodian of public records, provide the public agency 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 this chapter or as otherwise provided by law.
- c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to the public agency.
- d) Upon completion of the contract, transfer, at no cost, to the public agency all public records in possession of the Contractor or keep and maintain public records required by the public agency to perform the service. If the Contractor transfers all public records to the public agency upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the public agency, upon request from the public agency’s custodian of public records, in a format that is compatible with the information technology systems of the public agency.

A request to inspect or copy public records relating to a public agency’s contract for services must be made directly to the public agency. If the public agency does not possess the requested records, the

public agency shall immediately notify the Contractor of the request, and the Contractor must provide the records to the public agency or allow the records to be inspected or copied within a reasonable time.

If a Contractor does not comply with the public agency's request for records, the public agency shall enforce the contract provisions in accordance with the contract.

A Contractor who fails to provide the public records to the public agency within a reasonable time may be subject to penalties under F.S. [119.10](#).

If a civil action is filed against a Contractor to compel production of public records relating to a public agency's contract for services, the court shall assess and award against the Contractor the reasonable costs of enforcement, including reasonable attorney fees, if:

1. The court determines that the Contractor unlawfully refused to comply with the public records request within a reasonable time; and
2. At least 8 business days before filing the action, the plaintiff provided written notice of the public records request, including a statement that the Contractor has not complied with the request, to the public agency and to the Contractor.

A notice complies with subparagraph 2 above, if it is sent to the public agency's custodian of public records and to the Contractor at the Contractor's address listed on its contract with the public agency or to the Contractor's registered agent. Such notices must be sent by common carrier delivery service or by registered, Global Express Guaranteed, or certified mail, with postage or shipping paid by the sender and with evidence of delivery, which may be in an electronic format.

A Contractor who complies with a public records request within eight (8) business days after the notice is sent is not liable for the reasonable costs of enforcement.

Section 15. Exhibits

The following Exhibits are attached to and made a part of this Contract:

Exhibit A – “Fee Schedule”

Exhibit B - "Proposal as Submitted by Respondent and Accepted by City"

Exhibit C - “Original Request for Proposal as Issued by City, including all Addenda”

Exhibit D - “Certificate of Insurance”

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

Signatures are on following page

IN WITNESS WHEREOF, the City has hereunto subscribed and the Contractor has signed his, its, or their name, or names the date aforesaid.

CITY OF STUART, FLORIDA

ATTEST:

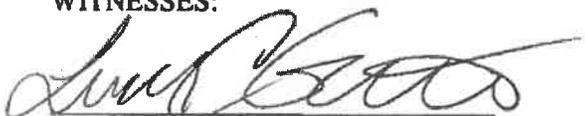

MARY R. KINDEL
CITY CLERK


DAVID DYESS
CITY MANAGER

**APPROVED AS TO FORM
AND CORRECTNESS:**


MICHAEL MORTELL
CITY ATTORNEY

WITNESSES:


(Signature)

(Signature)

CONTRACTOR

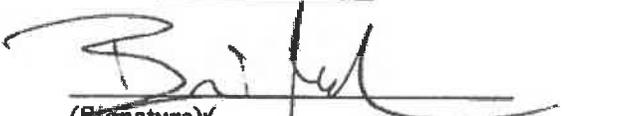

(Signature)
Brian Pector
Printed Name
VP SE operations mgr
Title

EXHIBIT A
“FEE SCHEDULE”

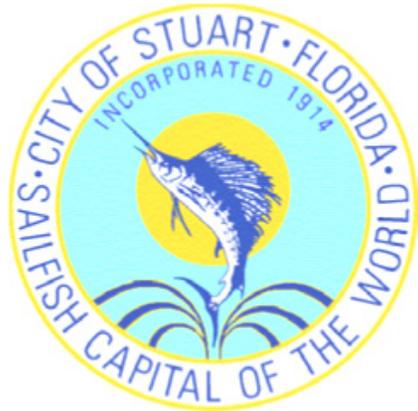
Engineers / Scientists / Planners	
Eng/Sci/Planner Technician I	\$45.00
Eng/Sci/Planner Technician II	\$55.00
Eng/Sci/Planner Technician III	\$67.00
Eng/Sci/Planner Staff I	\$76.00
Eng/Sci/Planner Staff II	\$87.00
Eng/Sci/Planner Staff III	\$99.00
Eng/Sci/Planner Staff IV	\$114.00
Eng/Sci/Planner Staff V	\$129.00
Eng/Sci/Planner Senior Staff I	\$143.00
Eng/Sci/Planner Senior Staff II	\$160.00
Eng/Sci/Planner Senior Staff III	\$178.00
Eng/Sci/Planner Senior Staff IV	\$195.00
Senior Consultant I	\$220.00
Senior Consultant II	\$245.00
Senior Consultant II	\$265.00
Principal	\$295.00
Financial Support / Procurement / Administrative	
Project Support Services I	\$57.00
Project Support Services II	\$78.00
Project Support Services III	\$99.00
Project Support Services IV	\$114.00
Project Support Services V	\$145.00

City of Stuart Professional Environmental Consulting Services

RFP 2020-101

November 20, 2019

Submitted to



Submitted by



759 South Federal Highway, Suite 314
Stuart, Florida 34994-2936



QUEST
ecology

RESPONSE TO

REQUEST FOR PROPOSAL

RFP No. 2020-101

PROFESSIONAL ENVIRONMENTAL CONSULTING SERVICES

PREPARED FOR



CITY OF STUART, FLORIDA

DEPARTMENT OF FINANCIAL SERVICES—PROCUREMENT DIVISION
121 SW FLAGLER AVENUE
STUART, FLORIDA 34994

NOVEMBER 20, 2019

PREPARED BY



TETRA TECH, INC.
759 SOUTH FEDERAL HIGHWAY, SUITE 314
STUART, FL 34994
PHONE: 772.781.3400

WWW.TETRATECH.COM



This response represents Tetra Tech, Inc.'s integrated approach to its business as applied to the specifications of this RFP. This submittal and all information contained herein is confidential commercial information proprietary to Tetra Tech, Inc. The contents of this submittal shall not be duplicated, used or disclosed, in whole or in part, for any purposes other for evaluation purposes, without the prior permission of Tetra Tech, Inc.

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ATTACHMENTS

Resumes of Key Staff..... Follows Tab 1





■ Letter of Transmittal





November 20, 2019

Stuart City Hall
Procurement Division
121 SW Flagler Avenue
Stuart, Florida 34994

Subject: City of Stuart, Florida—Request for Proposal No. 2020-101
Professional Environmental Consulting Services

Good Afternoon:

As a local company in Martin County for over 40 years providing services dedicated to the environmental consulting, engineering, and local government agency needs, we are pleased to present this response to the referenced Request for Proposal (RFP) for your consideration. This opportunity fits seamlessly with our skill set. We have the expertise, experience, and local knowledge to offer you superior quality services, which will translate to saved time and resources for the City. Tetra Tech's Stuart Florida office is located less than a half of a mile from Stuart City Hall, which will allow our staff to be readily available to the City for meetings and any other project-related needs.

Our proposal response highlights the experiences of our ecologists, geologists, and engineers, all proficiently trained and highly educated with, relevant local experience. Living in Martin County and working within the City of Stuart provides for a dedicated staff with personal interest in success. Our local office will allow our team to act as an extension to City's staff in providing a comprehensive suite of services such as:

- **Environmental audits of development packages** – to review new or modifications to projects and ensure compliance with municipal codes, environmental laws and regulations.
- **Environmental code revisions** – to ensure appropriate regulations exist to protect the citizens of Stuart in a meaningful way and with the appropriate level of oversight.
- **Phase I and II Environmental Site Assessments** – to evaluate and identify the potential for hazardous materials and contamination on properties located within the City limits.
- **State and Federal wetland and protected species assessments** – to delineate wetland habitats in order to ensure compliance with state and local regulations and assess upland and wetland habitat for potential occurrence of protected species.
- **State and Federal environmental permitting** – to identify and obtain necessary state and federal permits in an expedited manner to ensure lowest level of permitting is needed, to meet grant funding deadlines and minimize project costs related to permitting efforts.
- **Wetland and preserve area management** – to identify applicable and successful preserve area management goals and objectives including but not limited to upland and wetland restoration, design of functional wildlife habitat using native Florida vegetation, and passive recreational design.
- **Resilience Planning** – to identify long range planning goals related to threats such as extreme weather events and climate change.
- **General environmental consultation and coordination** – as needed to ensure project success. Tetra Tech is a full-service environmental firm capable of servicing all the needs of the City. The Stuart office staff include former employees of several government agencies involved in regulatory programs, land management and restoration, which allows for intimate knowledge of government processes and constraints including schedule and budget as they relate to the citizens that are

served. We are also sensitive to government agency requirement to work in compliance with the “Sunshine Law”.

We propose managing this project out of our Stuart office with support and resources from our Port St. Lucie, Boynton Beach, Cocoa Beach, Orlando, and Jacksonville offices as needed. We have added additional specialty firms to cover a wider range of project experiences.

The Tetra Tech team includes professionals from several local organizations, including small businesses:



Ardaman & Associates, Inc. (a Tetra Tech Company) to support with geotechnical investigations and Phase I and II ESAs



Erin L. Deady, PA, a woman-owned small business firm to support with code revisions and resilience planning



Quest Ecology, Inc. a woman owned small business firm to support wetland and protected species efforts.

By working together with these firms, Tetra Tech will provide the City with the highest level of service possible and we are confident this extremely qualified team and our nearby Stuart office puts us in the best position to deliver the required services. Our team makes a positive commitment to perform and complete assigned projects exceeding your expectations and we look forward to the opportunity to demonstrate our capabilities and commitment to your staff.

Please do not hesitate to contact me at my office, 772-781-3472, if you have any questions.

Sincerely,

Tetra Tech, Inc.

Brian Proctor
Vice President and Southeast Operations Manager



Tab 1 ■ Corporate Structure and Location



Tab 1 ■ Corporate Structure and Location

Company Profile

Tetra Tech is a leading provider of consulting, engineering, and technical services. We are a diverse company, including individuals with expertise in science, engineering, construction, and research. Our strength is in collectively providing integrated services, delivering the best solutions to meet our clients' needs.



TETRA TECH, INC.

Tetra Tech is a full-service consulting and engineering firm with a substantial global presence, with one of our main offices and warehouse located in **Stuart, Florida**. We help our clients conceptualize and execute innovative solutions to their most difficult problems.

As a local company in Martin County for over 40 years, Tetra Tech has been providing services to local government agencies in environmental consulting, environmental site assessment and wetland and wildlife assessments and permitting. We also bring a wide range of other services including feasibility studies, stormwater and civil engineering and design, underwater engineering inspections, site remediation and resilience planning.

History

Formed in 1966, Tetra Tech is respected for our excellent business practices and outstanding reputation in science and engineering. We are consistently ranked by *Engineering News-Record* (ENR) as among the leaders in our field. Tetra Tech's 2019 ENR national rankings include No.1 in Water, Environmental Management, Consulting Studies and Environmental Science.

Tetra Tech was founded as a civil engineering firm by four graduates of the California Institute of Technology and has based itself in Pasadena, California since 1966. Its select group of technical experts provided engineering services for waterways, harbors, and coastal areas. During these first decades, Tetra Tech completed projects that had global significance, from a groundbreaking tsunami wave study for the Atomic Energy Commission to master planning and designing coastal protection measures for Egypt's Nile River Delta.

During the 1980s, Tetra Tech met the expanding need for environmental remediation, which involved groundwater modeling, landfill closing, and restoring contaminated military and manufacturing facilities and sites. The firm completed highly visible projects on behalf of the Department of Defense, the Environmental Protection Agency, and other federal agencies, all of which launched the company to its place among the leading environmental and engineering firms in the United States.





In December 1991, Tetra Tech became a publicly traded enterprise. Since its initial public offering, the company has grown substantially, expanding its markets, services, and clientele through internal growth and international acquisitions.

Today, Tetra Tech is a global leader in providing engineering and technical services. The company is acknowledged for its cutting-edge expertise in sophisticated environmental analysis, modeling, and design and for delivering this expertise effectively across an entire project life cycle.

Tetra Tech's Global Reach

Tetra Tech has offices and operational infrastructure throughout the United States, Canada, and abroad. With 20,000 associates in more than 450 offices in more than 120 countries on seven continents, Tetra Tech's technical knowledge and hands-on site work is broad and deep. Our staff is supported by a uniform administrative and management system that project teams can access immediately to ensure work is completed effectively.

Tetra Tech has expanded its geographic presence significantly in recent years through strategic acquisitions and internal growth, especially in Canada, Latin America, and Australia. We also have considerable operations in Asia, Europe, and the Middle East.

Tetra Tech's Corporate Structure

Tetra Tech is organized into two major business groups that align with our core markets and enhance the development of high-end consulting and technical solutions to meet our growing client demand:

- ◆ **Government Services Group (GSG)** provides consulting and engineering services worldwide for a broad range of U.S. government clients (federal, state, and local) and all activities with development agencies. Services include water and waste management, environmental restoration, international development, sustainable infrastructure design, and a broad range of civil infrastructure design for facilities, transportation, and regional and local development.
- ◆ **Commercial/International Services Group (CIG)** provides consulting and engineering services worldwide for a broad range of commercial and international clients. Services include management consulting, environmental remediation, geotechnical investigations, and design engineering.

Ownership

Tetra Tech is a publicly traded corporation (NASDAQ:TTEK), with Dan Batrack at the top of the corporate leadership team as Chairman and Chief Executive Officer. No officer or director holds a majority share of stock nor interest greater than 5 percent. More about the Tetra Tech management team can be obtained from our corporate website:

<https://www.tetrattech.com/en/management-team>





Office Locations

Tetra Tech currently maintains 23 offices throughout the State of Florida with 500 employees. Tetra Tech has 450 offices and more than 20,000 professionals located in the United States and internationally. Tetra Tech supports commercial and government clients in the areas of water, natural resources, and infrastructure. Tetra Tech will manage this contract from our Stuart office, which is less than a mile south of the City’s offices and is directly accessible via U.S. Highway 1. Additionally, Ardaman & Associates, Inc., (a Tetra Tech company) is located 16 miles north in St. Lucie County from the City’s offices in Stuart.



To sustain the highest level of quality and expertise that our clients have come to expect, Tetra Tech maintains an extensive inventory of specialized equipment. The equipment ranges from watercraft, airboat, vehicles, ATVs, instruments and related equipment. Tetra Tech has a long-term lease on a modern, 3,900-square-foot high-bay warehouse located at 7917 SW Jack James Drive, Stuart, Florida, which is conveniently located off I-95 and SR 76.

In this warehouse, we store and maintain a variety of watercraft, ATVs, data collection instruments, supplies, sampling equipment, and sample bottles. We selected the location of this warehouse because it is optimally convenient to our

Stuart operations office, and also to major north, south, and west roads that reduce our mobilization time to project locations.

We not only work here we live here and know when you are successful it makes all our lives better.

The following table presents the number of staff in each of the major service categories listed in the solicitation who would be available to support this contract from tetra Tech’s Stuart office.

Table 1-1. Tetra Tech Team Depth of Staff in Required Disciplines

Service Category Listed in the RFP	Available Stuart Office Staff
Environmental Audits of Development Packages	2
Environmental Code Revisions	2
Environmental Site Assessments, Phase 1 and Phase 2	4
Preliminary Wetland and Protected Species Assessments	5
Environmental Permitting	3
Wetland and Preserve Area Management	4
General Consultation and Coordination	10





Tetra Tech Team

The Tetra Tech Team has been assembled to provide the City of Stuart with the best quality of Environmental Consulting Services and to ensure successful projects that meet your goals and objectives.

Firm	Location	Primary Role
 Tetra Tech, Inc.	759 S. Federal Highway, Suite 314 Stuart, FL 34994	Environmental audits, code revisions, Phase I and II ESA, wetlands, wildlife, permitting, preserve management
 Ardaman & Associates, Inc.	460 NW Concourse Place, Unit 1 Port St. Lucie, FL 34986	Phase I and II ESA
 Erin L. Deady, PA	54 ½ SE 6th Ave. Delray Beach, FL 33483	Resilience Planning, code revisions
 Quest Ecology, Inc.	735 Lakeview Drive Wimauma, FL 33598	Wetlands, wildlife, permitting, preserve management

Additional detail on each team subcontractor is provided under **Tab 5**.

Staffing Plan

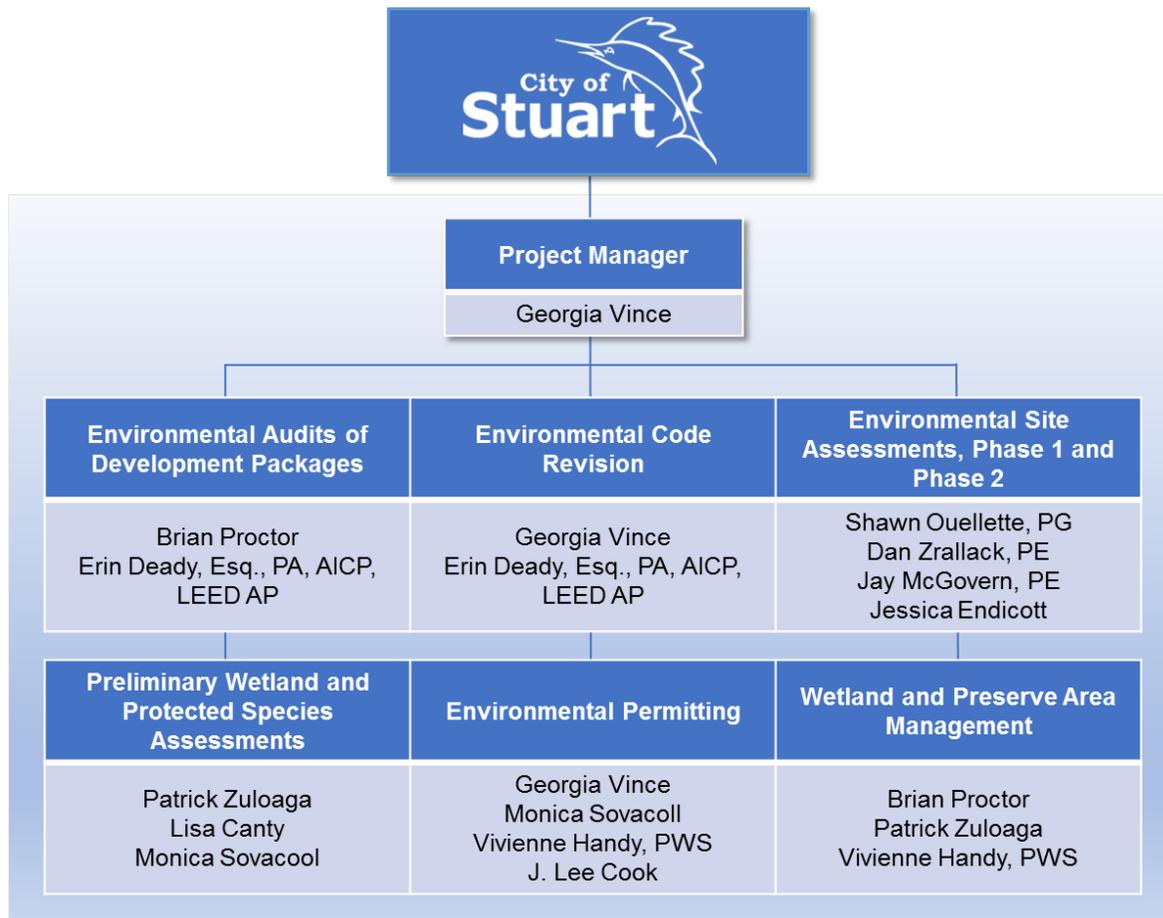
The Tetra Tech team has decades of environmental consulting experience, specifically in natural resources management, including preserve area management, wetlands and wildlife assessments and environmental permitting, and regulatory compliance. We offer a full range of supporting environmental services such as Phase 1, 2 and 3 Environmental Site Assessments, wetland delineation, environmental impact assessments, National Environmental Policy Act (NEPA) documentation, wetland mitigation design and management, habitat restoration and land management, threatened and endangered species coordination, protected species assessments, and monitoring and reporting. We also have several team members that are “Authorized Gopher Tortoise Agents” by the Florida Fish and Wildlife Conservation Commission (FFWCC), qualified to do gopher tortoise permitting and relocation.

Provided below is our team project organization chart followed by a brief introduction to the skills and qualifications of our project management and discipline lead staff.





Figure 1-1. Project Organization



Project Manager

Georgia Vince—Project Manager and lead for Environmental Permitting and Environmental Code Revision. For this contract, Tetra Tech has assigned a senior project/program manager with more than 20 years of experience that includes managing multidisciplinary staff for projects large and small, and task order projects under long-term agency contracts. She specializes in state and federal environmental permitting, previously having worked as the Program Administrator for the Environmental Resource Program (ERP) at the Florida Department of Environmental Protection (FDEP) for the Southeast District, which includes Martin County. In this role, Georgia managed the day-to-day ERP permitting and compliance activities and was personally involved in permitting complex, high-profile, and sometimes controversial projects. Prior to working in the Southeast District, Georgia worked for FDEP in Tallahassee where she was responsible for drafting revisions to the Florida Administrative Code related to the ERP program including wetland regulations and mitigation assessment rules. Georgia also spent four years working at the South Florida Water Management District (SFWMD) as the supervisor for the section that obtained permits for Everglades restoration projects, capital improvement projects, and other operation and maintenance permits including local, state and federal





authorizations. These projects sometimes included Florida Department of Transportation (FDOT) permits, Federal Aviation Administration (FAA) permits, building permits, and consumptive use permits, among many others.

For all task orders, Georgia will employ a proven management approach with a central goal of establishing an early consensus by all project stakeholders on the project's goals and objectives and the methods to achieve each in the most expeditious and cost-effective manner. Tetra Tech strives to achieve this *Shared Vision* during the kickoff meeting, with attendance by our project manager, management team, and key technical staff as required meeting and collaborating with City staff. Tetra Tech shares your principles for successful and effective work product delivery. These principles can be summarized as follows:

- ◆ **Communication.** Early and often! Keep the City Project Manager aware of status and budget issues. Communication in the project early stages helps establish the City's expectations and provides for an opportunity for the team to evaluate challenges and opportunities and to head off critical issues as early as possible. Regular communication between PMs is essential so there are no "surprises".
- ◆ **Assign the Right Project Team.** This step is critical to ensure a smooth and efficient project. It will be our responsibility to identify the appropriate technical staff and subconsultants to ensure that they know the project requirements, City standards, understand the QA/QC process, and to be familiar with the operation of the system.
- ◆ **Subconsultant Management.** Tetra Tech will take full responsibility for all work performed under this contract, including the work of our team subcontractors. In the unlikely event that a subcontractor's work is deficient, we will ensure that the work is corrected to the full satisfaction of the City. All subcontractors will have contracts with appropriate scopes and contract flow-down requirements.

Per the RFP, Tetra Tech will not assign its contract with the City nor subcontract any of the work requirements to be performed outside of the existing subcontractor team members. Note that Tetra Tech is able to perform all of the City's work scope with in-house, local staff.

To ensure superior subcontractor performance, Tetra Tech's subcontractor management activities will focus on our four key aspects: *scope, schedule, budget and quality*. By tracking each of these items, our managers will have the necessary information regarding when and how to exercise specific control mechanisms, depending on the size of the delivery order and the scope of the subcontractor's services. Our relationship with subcontractors will emphasize the following:

- Clearly defined responsibilities;
- Direct supervision of team subcontractors and specialty subcontractors by work order manager with assistance from technical staff;
- Corporate commitment at the highest levels of the subcontractor's organization to ensure commitment of adequate resources and to provide a mechanism for resolving misunderstandings quickly;





- Frequent interface at the project level to gain participation and to provide a means to “look ahead”; and
- Periodic reviews that address subcontractor performance in terms of scope, quality, cost, and timely completion of work.

Staff Experience

The Tetra Tech Team key personnel individual experience listing each team member and comparable projects specific to the Request for Qualifications is included in this section.

- ◆ **Georgia Vince**–Lead for Environmental Permitting and Environmental Code Revision
- ◆ **Brian Proctor**–Lead for Environmental Audits and Wetland and Preserve Area Management
- ◆ **Patrick Zuloaga**–Lead for Preliminary Wetland and Protected Species Assessments, including Endangered Species Act (ESA); support for Wetland and Preserve Area Management
- ◆ **Shawn Ouellette, PG**–Lead for Environmental Site Assessments, Phase I and II

These key discipline leads are supported by additional qualified staff from within Tetra Tech and our team subcontractors:

- ◆ Ardaman and Associates, Inc.–Phase I and II Environmental Site Assessments
- ◆ Erin L. Deady, PA–Audits of Development Packages, Resilience Planning and Code Drafting
- ◆ Quest Ecology, Inc.–Wetland and protected species assessments, environmental permitting, wetland and preserve area management

Resumes for staff anticipated to participate in this contract are provided following this tab. Additional details about our subcontractor firms is provided in **Tab 5**.



EXPERIENCE SUMMARY

Ms. Vince has over 20 years of experience with regulatory and permitting programs for state, federal and local levels of government, included Sovereign Submerged Lands, Joint Coastal Permitting, Environmental Resource Program, Coastal Zone Management reviews and Section 404 permitting for large and small projects including linear pipelines, ports, and offshore construction projects. Experience also includes Section 106 consultation, wetland delineations, wetland mitigation, wetland restoration, environmental assessments, National Environmental Protection Act (NEPA) analysis, and threatened and endangered species biological assessments. Previously, Ms. Vince was responsible for permitting and compliance activities related to Comprehensive Everglades Restoration Project (CERP) projects through coordination with planning, engineering, construction and operation. Ms. Vince has extensive experience in public speaking and coordinating with stakeholders on sensitive environmental issues.

RELEVANT EXPERIENCE

South Florida Water Management District (SFWMD) Everglades Agricultural Area (EAA) Storage Reservoir Feasibility Study (2017–Present). Project manager for the EAA Storage Reservoir Feasibility Study and Draft Environmental Impact Statement which is a federal planning document for 240,000-acre-feet water storage reservoir and associated storm water treatment area. Tetra Tech was the lead consultant on this project and performed project management, report preparation including development of major sections of the document in coordination with SFWMD staff, quantities and cost estimating for the preliminary design, habitat unit evaluations, biological assessment, coordination of numerous public meetings, preparation of the administrative record, and technical editing and publishing the final report. Tetra Tech completed the feasibility study in compliance with federal policy within six months of executing the work order, on time and under budget.

Duke Energy Stormwater Inspection Compliance, Multiple Sites, North Florida (2018–Present). Project manager overseeing all project-related activities for numerous transmission line and substation construction projects for Duke Energy, Florida. Oversee several field technicians that perform weekly and rain event inspections for compliance with the NPDES construction program. Oversee sub-contractors that install and maintain stormwater best management practices. Coordinate with Duke Energy staff and construction contractors.

City of Fort Pierce, Melody Lane Fishing Pier, FL (2014). Project manager for the structural design and permitting of the Melody Lane Fishing Pier project. Responsible for obtaining timely state and federal permits in order to submit grant application. Permitting included informal consultation with the National Marine Fisheries Service (NMFS) for smalltooth sawfish and sea turtles. State permit included sovereign submerged lands authorization for the pier. The public fishing pier was funded through the Florida Inland Navigation District and provides access to the Indian River Lagoon. Coordinated design features with the City of Fort Pierce, including use of grated decking to minimize impacts to the marine environment from shading. Coordinated benthic resource surveys for the project and surrounding area.

Confidential Client, Due Diligence Reporting, Multiple Solar Project Sites, FL (2016–Present). Project manager for multiple project sites located throughout Florida to perform reconnaissance surveys and prepare a due diligence report related to wetlands, wildlife concerns, protected species, permitting and local government regulations related to development of solar facilities and transmission and distribution projects. The due diligence reports for solar facilities included a mitigation cost estimate for impacts to wetlands or protected species. The subject properties for solar facilities ranged from 350 to 800 acres in size for development of 74.5-MW solar facilities. State, federal, and local permit requirements have been reviewed for over 80 transmission and distribution projects.

PROJECT ROLE

Project Manager;
Environmental Permitting;
Environmental Code Revision

EDUCATION

BS, Biological Oceanography,
1993, Florida Institute of
Technology

AREAS OF EXPERTISE

Project permitting
Compliance monitoring
Agency consultation
Stakeholder engagement

REGISTRATIONS/AFFILIATIONS

Qualified Stormwater
Management Inspector
25763

Wetland Delineation and Hydric
Soil Identification Training,
2008

Member of Florida Association
of Environmental
Professionals

Member of American Water
Resources Association

OFFICE

Stuart, Florida

CITY OF RESIDENCE

Palm Beach Gardens, Florida

YEARS OF EXPERIENCE

20

Florida Power & Light Company, Miami-Dade Solar Energy Center, Miami-Dade County, FL (2016–2018). Project manager responsible for overseeing local, state and federal environmental permitting, including preparing of permit applications, wildlife and habitat surveys, wetland delineation, cultural resources surveys, and all agency coordination related to the processing of permits for the construction of the solar facility. State permit was received within 32 days of submittal of the permit application.

Orlando Utility Commission (OUC) Stanton Energy Center, Greenwood Energy, Orlando, FL (2016). Task manager to perform a review of existing permits obtained for a proposed 6-MW solar facility and associated transmission lines to be constructed at two locations within the OUC Stanton Energy Center property in support of Greenwood Energy's acquisition of the project from another entity. Tetra Tech prepared a memo for the client summarizing the results of the permit review and identified other required regulatory approvals.

Florida Power & Light Company, Turkey Point Environmental Permitting, Miami-Dade County, FL (2016–2018). Project manager to oversee local, state and federal environmental permitting, including preparing of permit applications, wetland and wildlife surveys, permit exhibit preparation, and all agency coordination related to the processing of permits for ongoing projects and modifications at the Turkey Point nuclear facility. Responsibilities include assessment of wetland impacts, evaluation of effects to protected species, and water quality certification. Permitting efforts included Miami Dade County Class I, State Environmental Resource Permits, and federal Section 404 and 408 authorizations.

Equitrans Natural Gas Expansion Project, Pennsylvania and West Virginia (2015–2018). Deputy project manager for the Equitrans Expansion project designed to transport natural gas from the northern portion of the existing Equitrans system south to a future interconnection with Mountain Valley Pipeline, as well as existing inter-connections on the southern portion of the Equitrans' system with Texas Eastern Transmission, LP and Dominion Transmission, Inc. Tetra Tech was hired to assist Equitrans with the Federal Energy Regulation Commission (FERC) licensing application and provide data collection and field surveys for the necessary resource reports as part of the application.

South Florida Water Management District (SFWMD), C-43 Water Quality Treatment Area (WQTA) Mesocosm Test Facility Project, Labelle, FL (2015–Present). The overall goal of the C-43 WQTP project is to develop a conceptual design of a test facility comprised of mesocosms and test cells that: 1) will effectively remove and/or reduce total nitrogen (TN) from the Caloosahatchee River watershed; 2) is based on a review of available information and sound science; and 3) is implementable and cost-effective on larger scales and/or applicable to other south Florida estuarine systems. The C-43 WQTA Mesocosm Test Facility project, is Phase I of a multi-phased project. Future phases will include a full-scale treatment facility. This project is to design, construct, and operate a cost-effective Mesocosm Testing Facility including all necessary sampling and testing plans, planting plan, and operation and maintenance plan.

City of Manalapan, Audubon Causeway Bridge Replacement Permitting, FL (2014). Project manager for the state and federal permitting effort related to the replacement of the Manalapan Causeway Bridge. This historic bridge is being redesigned to meet current Department of Transportation standards and required widening of the bridge span and replacement of the two bridge abutments (seawalls). The permitting efforts included seagrass survey and mangrove delineation. Additionally, because of the original date of construction of the bridge, a sovereign submerged lands easement application was also prepared and issued. Coast Guard approval for navigation was also obtained.

SFWMD, West Palm Beach, FL (2008–2010). Section leader for permitting and compliance, responsible for CERP project permitting and compliance including obtaining local, state, and federal permits for construction and operation of numerous large-scale restoration projects, as well as oversight of compliance of previously permitted restoration projects. Coordinated with state and federal regulatory agencies on NEPA process, prepared and reviewed EAs/EISs, threatened and endangered species review, biological assessments and other regulatory documentation for all SFWMD construction projects.

SFWMD, Everglades STA Technical Support, FL (2013). Project manager responsible for managing and implementing engineering and other technical support for the operation and management of the Everglades Stormwater Treatment Areas (STAs). Tasks entailed STA operational and management support, including short- and long-term operation of the STAs and supporting activities related to STA performance, GIS analysis, technical briefings and progress reports. Oversaw data mining and database analysis to support SFWMD efforts and the 5-year STA Science Plan targeted at solving complex phosphorus concentration reduction issues.

Kitching Creek Central Flowway Restoration Project, Martin County, FL (2013). As project manager, responsible for coordination with Martin County engineering staff, design engineers and hydrologic modeling results to ensure project purpose and construction schedule are met for this large-scale restoration project. Coordinated with county biologists regarding wetland restoration efforts and obtained state and federal environmental permit documents.

SFWMD, Western Basins Water Resources Evaluation (WBWRE) Project, Western Everglades Area, FL (2016–Present). The Western Basins area is located at the junction of Hendry, Collier, Palm Beach, and Broward counties and comprises the C-139, feeder canal, L-28, and L-28 gap basins. The project serves as the foundation for a broader evaluation of potential hydrologic and water quality improvements for the Western Basins area, including potential future CERP features or projects. Responsible for oversight of project schedule, QA/QC of project deliverables, coordination of field data collection activities, report preparation, stakeholder meetings, and general project management activities. This project is contracted through a joint venture (JV) with Jacobs Engineering Group and is a component of CERP.

EXPERIENCE SUMMARY

Mr. Proctor has 24 years' experience in land stewardship, natural resources management, wetland ecosystems, and natural areas restoration with a particular emphasis on land development, restoration planning, permitting and implementation. He has been the responsible person in charge of designing, permitting, planning, and implementing a diverse array of upland and wetland development projects. His experiences include delineation, assessment, and environmental resources permitting for both upland and wetland habitats. Mr. Proctor has been the landowners advocate preparing and conducting surveys for species listed as endangered, threatened or of special concern including marine turtles, indigo snakes, bald eagles, scrub jays, red cockaded woodpeckers, manatees, crested caracaras, gopher tortoises, wood storks, and shore birds along with negotiating with state and federal agencies for full use of their property. Additionally, Mr. Proctor was a land manager for the state of Florida where he was responsible for oversight of the management, planning, and implementation of restoration and enhancement activities on over 160,000 acres of state-owned and managed lands.

RELEVANT EXPERIENCE

U.S. Army, Integrated Natural Resources Management Plans (INRMP) Program Management, Fort Gordon, GA (2018). As program manager, provided program and project management support to the Environmental Command at Ft Gordon. Supervised four staff to oversee implementation on the NEPA program, including cultural resources and the GIS database. Implemented natural resource surveys in support of the INRMP base wide including forestry assessments, gopher tortoise surveys, bat surveys, and red-cockaded woodpecker foraging habitat assessments.

City of Fort Pierce, Island Breakwaters Post Construction Ecological Monitoring (2015). Project Manager responsible for coordination of compliance data of mitigation components required by Environmental Permits from the State of Florida and the U.S. Army Corps of Engineers. Mitigation components included dredge hole filling, prop scar restoration, oyster bed creation, mangrove creation, lime stone reef, and beach dune habitat. Goals have been met successful following 4 years of implementation. Also responsible for coordination of the required structural performance standards.

City of Fort Pierce, Island Breakwaters, St. Lucie County, FL (2013). Project manager responsible for overall project management and implementing construction management and engineering inspections during construction for a 12-island breakwater system. The breakwater is composed of 11 free-form rock islands and a larger island consisting of geotextile tubes, sand, and armor stone. Responsible for implementation of mitigation services to include creation of oyster reefs, mangrove marshes, seagrass habitat, dune habitat, and nesting areas for least terns and other shore birds. Responsible for contractor adherence of the environmental permits and the environmental protection plan. Oversight of monitoring activities of listed species including manatees, least terns, and sea turtles as well as water quality and turbidity.

South Florida Water Management District, CERP 404 Permit Applications, FL (2011). Project manager responsible for preparing an analysis of mitigation opportunities for the South Florida Water Management District to be used in conjunction with processing 404 permit applications for the Comprehensive Everglades Restoration Program (CERP). Also responsible for preparation of monitoring plans and reports to support environmental compliance for the permitting section of the CERP Division for self-performed on-site mitigation.

Loxahatchee Mitigation Bank Wood Stork Analysis (2011). Task manager for preparation of an analysis documenting the net positive increase in foraging biomass for wood storks following restoration of the Loxahatchee Mitigation Bank as part of

PROJECT ROLE

Environmental Audits of Development Packages; Wetland and Preserve Area Management

EDUCATION

MS, Environmental Resource Management, 1995, Florida Institute of Technology

BS, Environmental Policy, 1991, University of Maryland

AREAS OF EXPERTISE

Program/Project management

Project permitting

Agency consultation

Stakeholder engagement

REGISTRATION/CERTIFICATION

FDEP, Certification for Stormwater, Erosion and Sediment Control Inspector #22435

PADI Scuba Certification

Commercial Pesticide Applicator License, State of FL in Natural Areas and Aquatics

Authorized Gopher Tortoise Agent #GTA-19-00075

OFFICE

Stuart, Florida

CITY OF RESIDENCE

Palm City, Florida

YEARS OF EXPERIENCE

24

an ongoing Mitigation Banking Program at Tetra Tech. Coordinated with the U.S. Fish and Wildlife Service (USFWS) concerning use of Mitigation Bank credits to satisfy incidental taking of wood stork habitat by land development projects.

South Florida Water Management District, Dispersed Water Storage Study (2010). Managed preparation of conceptual designs for five large dispersed water management storage projects district-wide. Performed field investigations and prepared report of preliminary designs.

Martin County, Kitching Creek Watershed (2010). Senior scientist assisting with the design and permitting of the Kitching Creek watershed improvements. The projects purpose is to reestablish the historical flow patterns through a 19.9-square-mile basin in southern Martin County, Florida and includes the state and federal permitting required to construct the necessary appurtenances needed to regulate flow into and out of this area.

City of Fort Pierce, Marina Reconstruction Federal Permitting, St. Lucie County, FL (2009). Task manager responsible for federal permitting activities for reconstruction of City of Ft Pierce Marina and the creation of 11 Island breakwaters within the Indian River Lagoon. Significant coordination with federal and state partners including NOAA NMFS Habitat Conservation and Protected Resources divisions, U.S. Environmental Protection Agency (USEPA), and USFWS concerning avoidance and minimization of impacts to listed species, proposed mitigation, Essential Fish Habitat (EFH), critical habitat, and other listed species concerns.

Loxahatchee Mitigation Bank, Palm Beach County, FL (2009). Permitting task manager responsible for major permit modifications to the FDEP permit and the Federal Mitigation Banking Instrument (MBI) to operate a wetland mitigation bank. Revised methodology for measuring interim and final success criteria. Coordinated with state and federal regulatory agencies including U.S. EPA, USFWS, and USACE to negotiate a permit issuance.

Confidential Client, 8-Mile Ranch Mitigation Bank (2009). Project manager responsible for preparation of a feasibility analysis for a proposed mitigation bank in Florida. Analyzed the feasibility of the overall concept for restoration, credit creation, and market absorption rate, along with the potential permitting challenges.

EW Consultants, Inc. (2000–2006). Coordinated and performed field activities in support of the preparation of Environmental Assessments (EAs) and Impact Statements (EISs) for projects up to 10,000 acres. Responsible for the preparation of Environmental Assessments and Environmental Impact Statements. Prepared Environmental Resource Permit (ERP) Applications. Prepared in excess of 100 Preserve Area Management Plans in support of ERP applications and land development applications throughout Florida. Prepared numerous Habitat Conservation Plans for USFWS for numerous species on the Endangered Species Act list to accommodate land development activities. Prepared wetland mitigation plans in support of wetland ERP applications. Delineated and characterized over 20,000 acres of state and federal jurisdictional wetlands for the private entities, local governments and the state of Florida proposed for purchase through the Florida Forever Program.

Environmental Assessments/Environmental Impact Statements, FL. As environmental scientist, coordinated and performed field activities in support of the preparation of National Environmental Policy Act (EPA) Environmental Assessments (EA) and Impact Statements (EIS) for projects up to 10,000 acres. Responsible for the preparation of EAs and EISs. Prepared ERP applications including mitigation plans. Prepared in excess of 100 Preserve Area Management Plans in support of ERP applications and land development applications throughout Florida. Prepared numerous Habitat Conservation Plans for USFWS for numerous species on the Endangered Species Act list to accommodate land development activities. Delineated and characterized over 20,000 acres of state and federal jurisdictional wetlands for lands proposed for purchase through the Florida Forever Program.

St. Sebastian River Aquatic Resources Baseline Monitoring, Sebastian, Indian River County, FL. As project manager and lead scientist, managed the development of a baseline monitoring report to establish natural aquatic indicators of health for the St. Sebastian River. The purpose of the monitoring was to establish the presence or absence of aquatic resources and to evaluate their health as a reference for future restoration activities. The project included a desk top analysis of historical data followed by the establishment of survey protocol to establish locations of existing oyster beds and submerge aquatic vegetation. Data collection included spatial extent and percent viability of SAV and oysters. The areas were mapped using GIS. Monitoring of the resources was continued for a period of two years.

ERIN L. DEADY, P.A. 
Delray Beach, FL 33483
954.593.5102
Firm Attorney: Erin L. Deady

Erin L. Deady, P.A., is a full service legal and consulting firm. Firm President, Erin Deady, is a licensed attorney in Florida, a certified land planner by the American Institute of Certified Planners (“AICP”) and a LEED AP. Ms. Deady's practice is primarily focused on public sector government representation but also includes numerous private sector and agricultural clients. Ms. Deady's practice includes environmental restoration initiatives, water, energy, climate, local government, administrative law and land use issues.

Ms. Deady's experience includes litigation, public finance, special purpose governmental representation and creation and land use planning. Erin is a frequent lecturer and author on climate change, energy, environmental restoration and public finance issues statewide and nationally.

AREAS OF PRACTICE: Environmental, Energy, Land Use, Water Use and Planning, Sustainability and Climate Change.

- **Gulf Restoration.** The Firm currently works with local governments regarding planning receipt, expenditure and distribution of RESTORE Act funds including development of multi-year implementation plans and all compliance issues. This includes leveraging of funding sources and management of subawards and sub-recipients.
- **Environmental.** Clients have included local governments, Special Districts, private sector companies, agricultural and Tribal entities involving environmental restoration, development and regulatory issues such as jurisdictional wetlands, endangered species, and water resources management and planning.
- **Energy.** Work has included projects public and private sector clients on the development of energy financing programs and incentives for project development related to energy efficiency, energy financing, energy conservation planning and project management, green building, federal and state legislative issues and renewable energy.
- **Land Use.** Projects have included work with multiple consulting teams as both Project Manager and sub-contractor on projects related to comprehensive planning, code development and project approval.
- **Water Use and Planning.** Clients have been represented before local, state and federal agencies, on wetland, environmental and water resources permitting, federal and state rulemaking, litigation and legislative issues.
- **Sustainability and Climate Change.** Projects have included securing funding for and development of numerous sustainability and climate change plans and integration of these issues into the local government planning process.

PROFESSIONAL EXPERIENCE

- Erin L. Deady, P.A., President and Of Counsel to Corbett and White, P.A., 2011 to present.
- Lewis, Longman & Walker, P.A., 2003-2011, Shareholder, 2008. Ms. Deady also created the firm's Sustainability Practice Group in 2010 and served as its first Chair.

- Environmental Counsel, Audubon of Florida, 1997-2003, an alliance of the National Audubon and Florida Audubon Societies. Ms. Deady provided policy formulation and legal representation on a range of issues including water resources, land use, administrative law, land acquisition and Everglades Restoration policy.
- Various land use planning and environmental issues for the Village of Wellington, the Broward County Department of Planning and Environmental Protection, the South Florida Water Management District.
- Fellow at the Center for Urban and Environmental Solutions at Florida Atlantic University, 1995-1997.

EDUCATION

- Nova Southeastern University, Shepard Broad Law Center, Juris Doctorate, 2000.
- Florida Atlantic University, Master of Public Administration, Environmental Growth Management Fellow, 1996.
- University of the Virgin Islands, Master of Public Administration Program, attended 1995.
- University of Miami, Bachelor of Arts, Marine Science Affairs, 1993.

PROFESSIONAL, CIVIC AND COMMUNITY INVOLVEMENT & MEMBERSHIPS

- Admitted to Florida Bar (2000), member of Executive Council for the Environmental and Land Use Law Section, 2002-Present.
 - Chair 2012-2013
- Member of the American Institute of Certified Planners & the Florida Chapter of the American Planning Association.
- Leadership in Energy and Environmental Design (LEED AP[®]), U.S. Green Building Council.
- Gale Academy Board of the Friends of the Environmental Academy, Forest Hill High School, 2008-2010.
- Participated in Southern Most AIDS Ride, Miami to Key West, to raise funds for AIDS/HIV Charities, 2004, 2008, 2012 & 2013.
- Member, Alternative Water Supply Grant Selection Committee, SFWMD, May-June, 2003.
- State Co-Chair of the Everglades Coalition, 2002 & April 2003-October 2003.
- Pal-Mar Water Control District Board of Supervisors, July 2002-July 2005.

COURTS

- Admitted to Practice all Florida Courts.
- Admitted to Practice in the United States District Court, Northern District of Florida.
- United States Court of Appeals for the Eleventh Circuit.

EXPERIENCE SUMMARY

Mr. Ouellette has more than 20 years of experience conducting environmental site assessments, remedial projects, geotechnical investigations, well installations, well rehabilitation, soil, sediment, air and water sampling. Mr. Ouellette is currently responsible for coordinating and implementing field activities in environmental site assessments, geotechnical studies, well installations and soil investigations for remedial actions and site assessment and characterization. Technical experience ranges from soil, sediment, and rock classification to groundwater and surface water investigations and monitoring, field activities and subcontractor supervision, as well as data compilation, analysis, permit preparation, and report writing. Mr. Ouellette is also experienced mechanical and electrical troubleshooting of drilling equipment, pumps, and environmental sampling equipment.

RELEVANT EXPERIENCE

Florida Department of Environmental Protection (FDEP) PFAS Screening Sites, Groundwater Evaluations, Statewide, FL (2019–Present). Responsible for conducting limited PFAS groundwater screening on State of Florida Hazardous Waste Cleanup sites. Duties include report preparation, environmental reconnaissance, field sampling and data and QC evaluation.

City of Key West, Phase I and Phase II Environmental Site Assessments Voluntary Source Removal, Monroe County, FL (2019). Responsible for Phase I and Phase II environmental site assessments of five city-owned parcels to be converted to residential housing. Completed a Voluntary Source Removal workplan for 950 tons of petroleum impacted soils in an environmentally sensitive (tidally influenced) area of Key West, FL. Duties include proposal preparation, report preparation, environmental reconnaissance, employee management, cost tracking, client and regulatory interaction and field supervision.

Confidential Clients, Phase I and Phase II Environmental Site Assessments, Palm Beach County, FL (2018–Present). Responsible for Phase I and Phase II environmental site assessments of three parcels. Duties include proposal preparation, report preparation, environmental reconnaissance, employee management, cost tracking.

Conservation Collier, Phase I and Phase II Environmental Site Assessments, Collier County, FL (2018–Present). Responsible for Phase I and Phase II environmental site assessments of three parcels. Duties include proposal preparation, report preparation, environmental reconnaissance, employee management, cost tracking.

SFWMD, Environmental Risk Assessments, Palm Beach, Martin, Hendry Okeechobee and Polk Counties, FL (2001–2016). Supervising field geologist responsible environmental assessment activities and remedial action planning and implementation. Duties include environmental and geotechnical drilling oversight, soil and sediment classification, groundwater flow mapping, water quality reporting and compaction testing oversight. Site investigation was necessary for the SFWMD in the CERP and great Everglades restoration effort.

FDEP, Drycleaner, Petroleum, SIS and Hazardous Waste Sites, FL (2001–2016). Led Site Assessments, Phase I and II environmental audits, tank closures, remedial system installations, chemical injections and operations and maintenance of Air Sparge, SVE and pump and treat systems. Mr. Ouellette was responsible for supervising and conducting monitor well installations report and proposal preparation, measuring water quality, collecting surface water, groundwater, soil and sediment samples and decontamination of equipment from land and water. Equipment

PROJECT ROLE

Environmental Site Assessments, Phase 1 and Phase 2

EDUCATION

BS, Geology, Florida Atlantic University, 1999

AREAS OF EXPERTISE

Environmental assessments
Dewatering permitting
Mining feasibility studies
Well installations and design
Soil suitability studies
Phase I and Phase II audits

REGISTRATION / AFFILIATION

Professional Geologist, State of Florida, License #2417
Licensed Florida Water Well Contractor, State of Florida, License #11271
FDEP-SOP Sampling Certificate for Groundwater,
Surface Water and Wastewater, FDEP, 2002
First Aid, CPR, American Red Cross, (Current)
Class B CDL (Current)
FDOT Medical Certification (Current)

OFFICE

Stuart, Florida

CITY OF RESIDENCE

Stuart, Florida

YEARS OF EXPERIENCE

20

calibrations and maintenance of YSI and Horiba multi-meters, turbidimeters, peristaltic pumps, centrifugal pumps, submersible pumps, organic vapor analyzers, and FE, CL meters. Ensured all samples and field and office procedures were conducted in accordance with the FDEP SOP guidelines.

SFWMD, CERP, Western Basins C-139 Annex, Clewiston, FL (2015–2016). Geologist responsible for environmental assessment activities and remedial action planning and implementation for an 18,000-acre former citrus operation with phosphate impacts. Duties included environmental and geotechnical drilling oversight, work plan preparation, QAM preparation, QAPP preparation, soil and sediment classification, groundwater flow mapping, water quality reporting. Site investigation was necessary for the SFWMD in the Comprehensive Everglades Restoration Program (CERP) and great Everglades restoration effort. Ensured all samples and field and office procedures were conducted in accordance with the FDEP SOP Guidelines and SFWMD FQM.

FDEP, Skippers III, Cocoa, FL (2001–2016). Completed soil assessment and excavation of former plating facility with metals-impacted soils and groundwater along FEC railroad right-of-way. Oversight of sheet pile installation, soil excavation and backfilling activities, site restoration, monitoring well installations, soil and water quality sampling and top of casing measurement. Mr. Ouellette was responsible for supervising and conducting field work and report preparation. Ensured field and office procedures were conducted in accordance with the FDEP SOP Guidelines and FEC criteria.

South Florida Water Management District (SFWMD), C-43 Mesocosm Study, Labelle, FL (2016–2019). Geologist responsible environmental surface water and sediment sampling activities and remedial action operations and maintenance for a 12-tank mesocosm study. Water is drawn in from the Caloosahatchee canal and routed through 12 mesocosm tanks. The 12 tanks are planted with combinations of either submerged aquatic vegetation and or emergent aquatic vegetation. Analytical and geochemical parameter data are collected on a bi-weekly basis and submitted the SFWMD laboratory for analysis to determine nitrate and phosphate loads with respect to plant combinations within the tanks. Duties included, work plan preparation, QAM preparation, QAPP preparation, surface water and sediment sampling. Ensured all samples and field and office procedures were conducted in accordance with the FDEP SOP Guidelines and SFWMD FQM.

National Park Service (NPS), Biscayne National Park, Homestead, FL (2016). Assisted scientific diving team on removal of derelict traps and fishing debris from the seafloor at the bottom of Biscayne National Park. Locations were offshore in 10 to 40 feet of water along patch reef fishing grounds.

Subsurface Environmental Inc., EPA, Madison Industries Site, FL (2008–2010). Well rehabilitation of blocked well screens using combination of surge and pump techniques combined with pressure scrubbers and submersible pumps. Effectiveness was measured with pre-and post-rehabilitation measurements conducting pumping drawdown tests using submersible pumps, water level meters and turbidimeters.

Subsurface Environmental Inc., NASA Kennedy Space Center, Cape Canaveral, FL (2009). As a field supervisor, conducted and directed the installation of soil borings, soil samples, monitoring wells using hand augers and direct push and auger type drilling equipment while maintaining a safe work environment following the site-specific decontamination procedures for tools and equipment and Health and Safety Plan. The investigation focused on a remedial assessment of various source areas within the NASA KSC and contractor maintenance areas. The investigation was in high security areas of the facility and secure launch areas and had to be coordinated with the launch schedules.

DE&T (Terracon), Minto Homes, Townpark at Tradition St. Lucie County, FL (2003–2009). As a geologist, responsible for the design and installation of surficial (semi-perched) and groundwater zone piezometers on proposed residential developments. The piezometers were typically installed within the proposed retention and existing wetland features. Mini-troll and Level troll water level and atmospheric leveling devices were utilized for in situ data collection. Additionally, manual collection of water level measurements were conducted and logged to verify electronic data. Responsible for collecting field data, troubleshooting telemetry and data collection and field documentation of on-site conditions. Collected data using field laptops, ATVs, 4x4 vehicles and waders. Data were downloaded and input into computer software for analysis. The data were used in determining the hydrogeologic relationship of the proposed retention areas and the existing wetland features

DE&T (Terracon), St. Lucie, Indian River, Martin Counties, FL (2003–2006). As a geologist, responsible for project management, field work, and report preparation for geotechnical subsurface studies for residential and commercial developments, earthen embankments, roadways, bridges, and shoreline restoration. Field work included drilling, surveying, permeability testing, soil classifications, groundwater, and soil sampling.

EXPERIENCE SUMMARY

Mr. Zrallack has more than 22 years of experience in geotechnical and environmental engineering and in construction materials testing and inspections. Mr. Zrallack serves as branch manager and senior project engineer for various projects including Phase I Environmental Site Assessments, Phase II Environmental Site Assessments, Storage Tank Closures, Contamination Site Assessments, Initial Remedial Actions, Natural Attenuation Monitoring Programs and various other environmental projects. Some notable contracts and projects are listed below.

RELEVANT EXPERIENCE

Port of Fort Pierce, King Maritime Parcels, St. Lucie County, FL. Mr. Zrallack was Ardaman’s project manager for environmental services on this site at the Port of Fort Pierce. The project included Phase I and Phase II environmental assessments which yielded elevated levels of petroleum products and ammonia. Subsequently, a Preliminary Contamination Assessment (PCA) was conducted, which included shallow groundwater wells and soil sampling to estimate the extent of the contaminants on the site. The site has been designated a Brownfield site.

Auto Salvage Yard, (Uncle Tony’s U-Pull-It / AAA Auto Salvage), St. Lucie County, FL. Mr. Zrallack was Ardaman’s project manager for environmental services on this site in St. Lucie County. The work included a Preliminary Contamination Assessment (PCA) to estimate the extent of petroleum on the site. The scope included installing shallow groundwater monitoring wells and soil sampling. The PCA report suggested removal of the contaminant source which will be completed in October 2019.

Various Continuing Service Contracts. Mr. Zrallack serves as contract manager and senior project engineer on several contracts that include geotechnical engineering, environmental engineering and construction material testing for public entities under continuing contracts on a variety of assignments. The environmental tasks typically include Phase I and II environmental assessments of real property, asbestos sampling and testing for existing structures, groundwater monitoring and sampling, hydrogeology and petroleum storage tank removal and evaluation.

- St. Lucie County
- Indian River State College
- City of Fort Pierce
- City of Port St. Lucie

20 Acre Former Tree Farm Property, Indiantown, Martin County, FL. Mr. Zrallack served as the senior project engineer/reviewer for this project, which included performing a Phase I environmental assessment to evaluate potential sources of adverse environmental conditions on the subject site. The Phase I results identified the former use of the property as a tree nursery, however we concluded that there was very little evidence to indicate that the subject site had and adversely impacted conditions associated with the former herbicide and pesticide applications.

Wilcox Property, Old Dixie Highway, St. Lucie County, FL. Mr. Zrallack was the senior project engineer for a Phase I Environmental Site Assessment for this property acquisition site located in St. Lucie County, Florida.

Brown Parcels, Paradise Park, St. Lucie County, FL. Mr. Zrallack was the senior project engineer for a Phase I Environmental Site Assessment for these property acquisition sites located in St. Lucie County, Florida.

Audrey Powell Parcel, Harmony Heights No. 4, St. Lucie County, FL. Mr. Zrallack was the senior project engineer for a Phase I Environmental Site Assessment for this property acquisition site located in St. Lucie County, Florida.

PROJECT ROLE

Environmental Site Assessments, Phase 1 and Phase 2

EDUCATION

BS, Civil Engineering, University of Central Florida, 2000

AREAS OF EXPERTISE

Phase I/II Environmental Site Assessments

Preliminary contamination assessment

Geotechnical engineering

Above-/below-ground storage tanks

REGISTRATION

Professional Engineer, Florida, No. 63911

OFFICE

Port St. Lucie, Florida

CITY OF RESIDENCE

Fort Pierce, Florida

YEARS OF EXPERIENCE

22

Karon and Stephanie Butler Parcel, Harmony Heights No. 4, St. Lucie County, FL. Mr. Zrallack was the senior project engineer for a Phase I Environmental Site Assessment for this property acquisition site located along 42nd Street in St. Lucie County, Florida.

Pransky Property, Surfside Plaza, St. Lucie County, FL. Mr. Zrallack was the senior project engineer for a Phase I Environmental Site Assessment for this property acquisition site located in St. Lucie County, Florida.

Taylor Creek Associates Property, Paradise Park, St. Lucie County, FL. Mr. Zrallack was the senior project engineer for a Phase I Environmental Site Assessment for this property acquisition site located on Rosarita Avenue in St. Lucie County, Florida.

Florida Power and Light New 230-kV Transmission Line, St. Lucie County, FL. Mr. Zrallack served as lead geotechnical engineer for the design phase of this new 230kV main transmission line extending from the FPL St. Lucie Nuclear Power Plant to the FPL Turnpike Substation in Port St. Lucie. The project includes the design of a mile-wide HDD section that will extend beneath the Intercoastal Waterway of the Indian River and several miles of underground transmission line from the Indian River crossing to the substation. Ardaman is also currently providing consulting services and construction materials testing during the construction phase of the project which is anticipated to take several years to complete.

Various Culvert Replacements, St. Lucie County, FL. Mr. Zrallack was the senior geotechnical engineer for numerous culvert pipe replacement projects at various locations throughout St. Lucie County, including canal crossings at Palomar Street, Oleander Boulevard, Midway Road and Sneed Road. Ardaman performed a geotechnical exploration at the culvert replacement locations and provided recommendations to guide site preparation and construction. Mr. Zrallack also managed the construction materials testing services during construction for many of these projects.

Various Canal Bank Stabilization Projects, St. Lucie County, FL. Mr. Zrallack served as senior project engineer for numerous canal bank stabilization projects throughout St. Lucie County including: Five Mile Creek, Header Canal, Cortez Canal, Taylor Creek, C-24 Canal and FPFWCD Canal No. 1. For each project, Ardaman performed geotechnical explorations and provided recommendations for canal bank stabilization measures.

North 2nd Street Reconstruction, Fort Pierce, FL. Mr. Zrallack is currently serving as senior geotechnical engineer for this roadway reconstruction project at the Port of Fort Pierce. The project includes the reconstruction of the two-lane entrance roadway for the Port of Fort Pierce and includes various drainage and underground utility improvements.

Fishermans Wharf Reconstruction Design, Fort Pierce, FL. Mr. Zrallack served as the senior geotechnical engineer for this roadway reconstruction project within the Port of Fort Pierce. The project included a geotechnical subsurface exploration for roadway and retaining wall design, as well as a preliminary contamination assessment relative to several recognized environmental conditions in the project area.

Former HD King Seawall Replacement, Fort Pierce, FL. Mr. Zrallack is currently serving as senior geotechnical engineer for this seawall replacement project at the former HD King power plant site in downtown Fort Pierce.

Highway A1A Reconstruction, Fort Pierce, FL. Mr. Zrallack served as senior geotechnical engineer for the design and construction testing services for this multi-phase roadway reconstruction and improvement project that extended from the south causeway bridge to Blue Heron Boulevard on Hutchinson Island.

E-8 Canal Bank Stabilization Project, Port St. Lucie, FL. Mr. Zrallack served as senior geotechnical engineer for this canal bank stabilization project on approximately one mile of the E-8 Canal in western Port St. Lucie. The project included subsurface soil exploration, geotechnical engineering analyses and construction quality assurance testing and inspection. A canal bank stabilization system consisting of rubble rip rap and geosynthetic reinforcement was designed and constructed to provide for improved performance and global stability of the canal banks.

D-9 Canal, Port St. Lucie, FL. Mr. Zrallack served as senior geotechnical engineer for this drainage canal bank stabilization project on the D-9 Canal, east of Bayshore Boulevard in Port St. Lucie. Ardaman performed a subsurface soil exploration and geotechnical engineering evaluation to assist in the design of a canal bank stabilization system. Various stabilization alternatives were evaluated and ultimately a system of gabion baskets was designed and constructed. The gabion basket approach provided stable canal banks while also providing sufficient maintenance easements on both sides of the canal.

Header Canal Bank Stabilization Project, St. Lucie County, FL. Geotechnical engineering analyses for approximately three miles of canal bank along Header Canal Road between State Road 70 and Goldsmith Road, which included an investigation of existing canal bank slope failures, slope stability analyses and stabilization design to provide for global stability and long-term performance of the canal banks.

Five Mile Creek Canal Bank Stabilization Project, St. Lucie County, FL. Mr. Zrallack was the senior project engineer for geotechnical engineering analyses for approximately two miles of canal bank along Five Mile Creek at the Bent Creek Subdivision, south of Orange Avenue, which included an investigation of existing canal bank slope failures, slope stability analyses and stabilization design to provide for global stability and long-term performance of the canal banks. Ardaman also provided quality control testing and inspection services during construction to assure successful implementation of the design.

EXPERIENCE SUMMARY

Mr. McGovern has more than 40 years of geologic, engineering, construction, and project management experience in commercial, governmental, industrial, and residential projects. Broad experience ranges from soil, sediment, rock, and hydrogeologic investigations and monitoring, field engineering, estimating, project management, remedial action construction, and project supervision. Program Manager for a hazardous waste site cleanup program with the Florida Department of Environmental Protection that includes site investigations and remediation for multiple contaminated sites, including brownfields and CERCLA sites located throughout the State of Florida.

RELEVANT EXPERIENCE

Florida Department of Environmental Protection (FDEP), Waste Site Cleanup and Drycleaning Solvent Cleanup Program, Contracts HW333, HW509, & HW560, various locations throughout the State of Florida (1998–Present). Responsible for coordinating, managing, and supervising the implementation of site assessments and remedial actions at 61 drycleaning and 19 orphaned hazardous waste sites. The original contract was for six years with two one-year options, both of which the FDEP exercised. The second contract was for five years with a single five-year option, which the FDEP exercised. The third ten-year contract started in February 2011. Tetra Tech was awarded more than 900 Task Assignments (work orders) to date for over \$20 million. Additionally, Tetra Tech received site closure at 45 facilities through active remediation, monitored natural attenuation, and no further action.

The drycleaning and waste site work is on an accelerated schedule with treatment system installation to be completed within one year of the site assignment. To expedite contamination assessment work, direct-push technology is used in conjunction with on-site mobile labs for soil assessment, groundwater plume delineation, and monitor well installation. In addition, data is collected for determining each site's propensity for natural attenuation. Remedial action activities have included bench scale testing, pilot study design, remedial action plans, waste management, plans and specifications, site demolition, bulk soil removal, soil vapor extraction systems, in-situ chemical oxidation system design and implementation, in situ bioaugmentation and biostimulation, and site restoration. Site Rehabilitation Completion Orders have been issued on remediated sites. Prepared Quality Assurance Project Plans, Work Plans, Health & Safety Plans, Site Assessment Reports, Background Studies, Remedial Alternative Evaluations, Remedial Action Plans, and Construction Completion Reports.

South Florida Water Management District (SFWMD), Phase I and II Environmental Site Assessments, and a Screening Level Ecological Risk Assessment for the Harmony Ranch Properties for Inclusion in the Indian River Lagoon–South Project, Martin County, FL (2015). Conducted, managed a Phase I/II Environmental Site Assessment and a Screening Level Ecological Risk Assessment on the Harmony Ranch Properties, which consisted of 1,840 acres of improved pasture. The Phase I/II ESA followed the Environmental Risk Assessment Protocol developed in conjunction with the U.S. Fish and Wildlife Service (USFWS) and approved by the Florida Department of Environmental Protection (FDEP), Protocol for Assessment, Remediation, and Post-Remediation Monitoring for Environmental Contamination on Everglades Restoration Projects (March 2008). The necessity of this evaluation is warranted by the historical land use activity (cultivation of row crops with the inherent agrochemical application), coupled with the projected use of the property. The completed report includes a determination of the suitability of the subject property for the proposed project, as well as an estimate of corrective

PROJECT ROLE

Environmental Site Assessments, Phase 1 and Phase 2

EDUCATION

BS, Environmental Studies/Geology, Stockton State College, 1979

AREAS OF EXPERTISE

Hazardous waste remediation
 Environmental site assessments
 USFWS and FDEP coordination
 Remedial investigations/feasibility studies

REGISTRATIONS/AFFILIATIONS

Florida Professional Geologist, #PG1487
 Member, American Institute of Professional Geologists; 2006
 Professional Member, Florida Association of Professional Geologists; 1996
 Founding Member, Florida Association of Professional Geologists; 1996
 Member, Florida Environmental Assessors Association; 1995
 Member, National Ground Water Association; 1999

OFFICE

Stuart, Florida

CITY OF RESIDENCE

Jupiter, Florida

YEARS OF EXPERIENCE

40

actions (and ancillary costs) necessary to address areas of environmental impairment (resulting from project implementation). The projection of corrective actions (and cost estimates) are intended for planning purposes at this juncture in order to allow SFWMD management to make an informed decision as to the viability of the subject property for the proposed Project. The necessity of corrective actions (and attendant costs) will be subsequently refined based upon USFWS and FDEP review/comments generated from the review of the Phase I/II ESA.

SFWMD, Structure S-46 Sheet Pile Lead Testing, Palm Beach County, FL (2014). Conducted, managed lead testing of corroded coatings on the sheet piles of the Structure S-46. This water control structure is located in the Town of Jupiter, on the C-18 Canal. SFWMD required testing the sheet pile coating prior to refurbishment. A float plan was prepared for working from a Jon boat with a small motor to collect samples for lead of the corroded sheet pile coating near the water line. Lead coating analysis was conducted through a field-portable X-ray fluorescence (XRF) instrument with physical sample collection for confirmatory laboratory analysis.

SFWMD, Phase I and II Environmental Site Assessment, Lake Hicpochee Hydrologic Enhancement Project, Glades County, FL (2013–2015). Conducted, managed a Phase I and II ESAs on 1,500-acres of State of Florida TIITF property. The Lake Hicpochee TIITF property consists of approximately 270-acres of open pasture and native upland grasslands that are used as cattle pasture. Approximately 120 acres of dry prairie exists on site and consists of transitional areas between the uplands and wetland areas. The approximately 1,100-acre remainder appears to be wetlands with approximately 15 acres of open water (a portion of Lake Hicpochee) at the southeastern corner of the property. The Phase I ESA followed the Standard Practice for Phase-I Environmental Site Assessments as established by the American Society for Testing and Materials and was prepared for the sole use of the SFWMD, the USFWS, and the U.S. Army Corps of Engineers.

SFWMD, Phase I and II Environmental Site Assessments, A. Duda & Sons, Inc. Properties for Inclusion in the Hicpochee Hydrologic Enhancement Project, Glades County, FL (2013–2015). Conducted, managed Phase I/II Environmental Site Assessments on the Lake Hicpochee A. Duda & Sons, Inc. Properties, which consisted of 720-acres of sugar cane. The Phase I/II ESA followed the Environmental Risk Assessment Protocol developed in conjunction with the USFWS, and approved by FDEP, Protocol for Assessment, Remediation, and Post-Remediation Monitoring for Environmental Contamination on Everglades Restoration Projects (March 2008). The Phase II ESA examined areas of potential concern that were described in the Phase I ESA and consisted of field investigations and sampling, followed by laboratory analyses, documentation, and reporting of the results of the technical evaluations performed.

SFWMD, Phase I and II Environmental Site Assessment, Lemkin Creek Stormwater Improvement Project, Okeechobee County, Florida, Tract No. NB100-012, Ferrell Property (2012). Conducted, managed a Phase I and II Environmental Site Assessments on the Ferrell Sam T. property, which consisted of 116 acres of pasture and borrow pits. The Phase II ESA examined areas of potential concern that were described in the Phase I ESA and consisted of field investigations and sampling, side scan and magnetometry marine surveys, followed by laboratory analyses, documentation, and reporting of the results of the technical evaluations performed.

SFWMD, Environmental Report, Loxahatchee River Flow Way 3 Project, FL (2012). Managed the preparation of an overall summary report of previous environmental investigations performed by Tetra Tech, URS Corporation (URS), Professional Services Industries, Inc. (PSI), and WRS Infrastructure & Environment, Inc. (WRS) within the footprint of the project. The Environmental Summary Report was prepared for the sole use of the SFWMD and the United States Army Corps of Engineers (USACE). The Loxahatchee River Flowway 3 project is located in unincorporated Martin County, FL encompassing approximately 8,000 acres that were previously cultivated or in a natural state. Relevant files were obtained from SFWMD, URS, PSI, WRS, and Tetra Tech's archives to compile background information with respect to prior assessments, corrective action, regulatory concurrence, BMPs, restrictive covenants, and engineering controls.

Shady Oaks, Lake Wales, FL (2011–Present). Conducted a Site Assessment in accordance with Chapter 62-780.600, F.A.C., which includes researching the site history; investigating the site's surficial geology; performing soil borings; installing and developing monitor wells; and collecting soil and groundwater samples for field and laboratory analyses at the Former Waste Disposal Areas at the Shady Oaks Property. The Site Assessment addressed soil and groundwater Constituents of Interest (COIs) in the three former waste disposal areas at the Shady Oaks site: the Bone Yard Area, Disposal Area #1, and Disposal Area #2. Based on the results of the 2004 Phase I/II ESA, it was determined that each of these waste disposal areas was historically operated and closed without permits. A Remedial Action Plan (RAP) was developed to cap the disposal areas in place, coupled with restrictive covenants (i.e., deed restrictions). The FDEP approved the RAP in November 2012 and the remedial actions were completed in May 2013. The site is currently under annual groundwater monitoring.

EXPERIENCE SUMMARY

Ms. Endicott began working as an intern for a hydrogeology consulting firm dealing with production well installations, monitoring wells, and well completion reports. She later worked for the Florida Department of Environmental Protection for 6 months working within the Division of Environmental Assessment and Restoration (DEAR), for the Water Quality Assessment Program (WQAP) collecting ground water and surface water samples. In addition, she utilized GIS to develop Lake Vegetation Index maps for the Strategic Monitoring Program (SMP) using ArcMap and ArcGIS programs.

RELEVANT EXPERIENCE

Florida Department of Environmental Protection (FDEP) Hazardous Waste, Dry Cleaner, Petroleum, and SIS Remediation Sites, FL (2018–Present). Perform groundwater purging and sampling in accordance with FDEP groundwater sampling SOP and FS 2212 section 3 for multiple hazardous waste and dry cleaner contamination sites, perform water quality parameter instrument calibrations (YSI, turbidity meter, etc..), complete groundwater sampling logs, reduce data (pH, temperature, specific conductance, turbidity, laboratory results), develop health and safety plans, develop and/or assist with technical reports, perform drycleaner and hazardous waste initial site assessments to determine further action (Direct Push Technology (DPT) water sampling, soil sampling, Modified Active Gas Sampling (MAGS), determination of groundwater flow, surveying, installation of piezometers and monitoring wells, oversite of contracted drilling activities), oversee Investigation Derived Waste (IDW) drum pick-ups.

South Florida Water Management District (SFWMF), C-43 Mesocosm, Labelle, FL (2018). Assisted task managers with weekly water quality monitoring and sampling.

Multiple Phase I and Environmental Assessments, FL (2018–2019). Performed site visits in addition to internal review of Phase I ESAs prepared by Tetra Tech personnel for multiple industrial/commercial and undeveloped properties prior to release to client. Conducted reviews for quality control purposes to ensure technical discussions and conclusions are appropriate and in accordance with the ASTM Phase I ESA standards. Conducted historical and current documentation/regulatory searches and reviews.

Florida Department of Environmental Protection, Fort Pierce, FL (2018). Division of Environmental Assessment and Restoration (DEAR), worked for the Water Quality Assessment Program (WQAP). Responsibilities of the program included monitoring and assessing how water quality is changing over time, the overall water quality and the impairment status of the state's water resources, and the effectiveness of water resource management, protection and restoration programs. Collected surface and groundwater samples, prepared and shipped to FDEP laboratory. Surveyed algae and responded to harmful algae reports, and developed Lake Vegetation Index (LVI) maps using ArcMap and ArcGIS Pro. Followed all FDEP water sampling, collection, and preservation SOP's. Calibrated water quality instruments.

JLA Geosciences, Jupiter, FL (2017). Maintained and performed field equipment calibrations, chloride titrations, water quality data entry, executed field work such as monthly water level monitoring, well volume calculations, data and sample collections, presented work to team members, supported senior Hydrogeologists in the field, allocated and organized paper files to electronic files, assisted with office work and well completion reports.

PROJECT ROLE

Environmental Site Assessments, Phase 1 and Phase 2

EDUCATION

MS, Geoscience, Florida Atlantic University, 2019

BS, Geology (Minor: GIS), Florida Atlantic University, 2016

AREAS OF EXPERTISE

Soil/groundwater sampling
 Monitoring well installations
 Water quality monitoring

TRAINING / AFFILIATIONS

30-Hour OSHA Construction; 2019

40-Hour OSHA Hazardous Waste Operations and Emergency Response Training; 2018

Environmental Safety Supervisor; 2019

Focus 4 Environmental Field Hazards; 2019

Qualified Stormwater Management Inspector; 2018

Waste Management Training; 2019

Member, American Institute of Professional Geologists

Member, The Geological Society of America

OFFICE

Stuart, Florida

CITY OF RESIDENCE

Port Saint Lucie, Florida

YEARS OF EXPERIENCE

2

EXPERIENCE SUMMARY

Mr. Zuloaga has more than 18 years' experience in aquatic ecology including marine, estuarine, and freshwater systems, with extensive ecological field experience in aquatic habitat monitoring, characterization, mapping, assessment, rare/threatened/endangered species surveys, remedial investigations, Stream Condition Index calculations, Vegetative Index of Wetland Condition (VIWC) calculations, and sediment characterization. He has managed and led field efforts on a variety of large-scale restoration projects for clients such as the South Florida Water Management District (SFWMD), National Park Service (NPS), Florida Department of Environmental Protection (FDEP), U.S. Army Corps of Engineers, and private clients, including in Washington, Alaska, Florida, Florida Keys, Dry Tortugas, Hawaii (Oahu and Kauai), Bahamas, Grand Cayman, Puerto Rico, U.S. Virgin Islands (St. Thomas and St. Croix) and the Northern Mariana Islands (Tinian, Saipan, and Pagan). Mr. Zuloaga has experience with writing wetland, coral reef and seagrass Restoration Plans (RP), Environmental Assessments (EA), Environmental Impact Statements (EIS), and Programmatic Environmental Impact Statements (PEIS) that meet National Environmental Policy Act (NEPA) compliance. He utilizes his field experience to provide technical input for developing the RP, EA, EIS and PEIS documents that contribute to the framework of restoration activities within the National Parks and other aquatic habitats. Mr. Zuloaga is Tetra Tech's Dive Safety Officer (DSO) for scientific diving. He is recognized as the corporate DSO under Tetra Tech's American Academy of Underwater Sciences (AAUS) organizational membership, having conducted more than 1,000 dives in support of scientific projects.

RELEVANT EXPERIENCE

St. Lucie County, Mitigation Planning Services for the Port Operations Area Project (Current). Tetra Tech is working with the St. Lucie County Engineering Department and Environmental Resources Department to develop a Master Mitigation Plan to offset unavoidable impacts to marine resources resulting from development of the Fort Pierce Port Operations Area project. Staff reviewed historical records (aerials, databases, bathymetry, etc.) for identification of mitigation sites within the Indian River Lagoon. Mitigation options for restoration of seagrass, mangrove and hardbottom impacts were assessed and presented in the Master Mitigation Plan. Field activities included bathymetric surveys and benthic and intertidal characterization of potential mitigation sites.

Alachua County Environmental Protection Department, Wetland Delineation and Listed Species Surveys, FL (2018–Present). Responsibilities include conducting a wetland delineation and gopher tortoise survey in an approximately 100-acre parcel proposed for future development. The purpose of the field surveys was to locate sufficient upland habitat for a proposed hurricane debris laydown area. Wetland boundaries and gopher tortoise burrows were flagged in the field, and GPS coordinates were collected.

Confidential Utility Client, Wetland Delineation, Palm Beach County, FL (2019–Present). Responsibilities include conducting a wetland delineation along a proposed 110-acre utility corridor and new substation property. All wetlands within the proposed corridor were flagged, GPS coordinates collected, and state and federal data sheets were used to document the selected boundary.

Confidential Utility Client, Wetland Delineation and Listed Species Surveys, South Florida (2018–Present). Responsibilities include conducting due diligence wetland and wildlife assessments of numerous utility corridors throughout South and Central Florida. The purpose of the DDRs (Due Diligence Reports) is to evaluate, in an expedited manner, the natural and human environment within the subject property. The site assessments characterize key environmental resources, land uses, potential restrictions and constraints within the vicinity of the work locations and access corridors, determine

PROJECT ROLE

Preliminary Wetland and Protected Species Assessments Lead; Wetland and Preserve Area Management

EDUCATION

BS, Organismic Biology, Ecology, Florida Atlantic University, 2000

AREAS OF EXPERTISE

Developing/managing biological field studies
 Developing/implementing restoration plans
 Managing divers teams of science and engineering
 Agency/stakeholder coordination

REGISTRATIONS/AFFILIATIONS

FFWCC Authorized Gopher Tortoise Agent
 Florida Stream Condition Index, 2004
 Professional Association of Diving Instructors (PADI), Open Water Instructor # 285353

OFFICE

Stuart, Florida

CITY OF RESIDENCE

Jensen Beach, Florida

YEARS OF EXPERIENCE

18

potential major issues, and identify required or recommended permitting requirements and notifications for local, state, and federal agencies. To date over 80 utility corridors have been assessed.

Confidential Utility Client(s), Critical Issues Analysis (CIA), FL (2016–2018). Conducted desktop wetland and wildlife assessments and site visit reconnaissance for numerous properties located in Flagler, Nassau, Duval, Palm Beach, Martin and Miami-Dade counties. The projects include evaluation of large parcels of land (400 to 800 acres) including Phase 1 Environmental Assessments, land use determinations, wetland delineations, protected species surveys, cultural resource review, and preparation of CIA reports. These baseline studies are utilized to support project planning and design of the solar facilities to minimize impacts to environmental resources such as wetlands and wildlife.

Confidential Utility Client, Wetland Delineation and Listed Species Surveys, Duval County, FL (2018). Responsible for Critical Issues Analysis Reports (CIA) to identify environmental constraints or fatal flaws for five proposed solar facilities in Duval County, Florida. The project area included five separate parcels totaling approximately 8,386 acres. The purpose of the CIA was to evaluate, in an expedited manner, the natural and human environment within the project area and surrounding region. The study characterized key environmental resources, land uses, and potential restrictions and constraints within the vicinity of the proposed project, determine potential major issues, and identify required or recommended future studies to support Project construction and operation. Based on the findings, the CIA provided information related to state and federal environmental regulations, applicable permits and potential regulatory obligations associated with property development.

Lehigh Acres Municipal Services Improvement District, Blackstone Preserve Environmental Assessment, Mitigation Planning, and Ecological Monitoring, Lehigh Acres, Lee County, FL (2018). Conducted a field investigation of the Blackstone Property located in the city of Lehigh Acres in Lee County, Florida. The Blackstone Property was proposed to provide stormwater attenuation and management in support of the SR 82 road widening project. The purpose of the field investigation was to document current site conditions including an assessment of jurisdictional wetlands and state and/or federally listed species and their associated habitats within the Blackstone Property. The Environmental Assessment Report summarized activities conducted and findings from the field investigation. A discussion of development implications from any wetlands and listed species on site, and any potential state or federal environmental permitting obligations was also included. Based on the information presented in the Environmental Assessment Report, a Mitigation Plan was drafted to mitigate impacts to wetlands from construction of the Blackstone Preserve. The final phase of the project included subsequent mitigation monitoring to document the trends toward final mitigation success.

Harbour Ridge Yacht & County Club, Environmental and Engineering Support for Golf Course Modifications (2018). Conducted gopher tortoise surveys and wetland delineations to assist Harbour Ridge with environmental services for intended modifications to the Golden Marsh golf course.

Christ Lutheran School Gopher Tortoise Survey and Relocation Project, Port Saint Lucie, FL (2015). Directed field activities in support of a Gopher Tortoise relocation permit, processing, as necessary, any approvals for relocation of gopher tortoises required to accommodate the proposed impacts, and relocation to a permitted recipient site. Post relocation activities included submittal of an After Action Report to the Florida Fish and Wildlife Conservation Commission.

South Florida Water Management District (SFWMD), Loxahatchee Mitigation Bank, Delray Beach, FL (2002–Present). Responsible for restoration prescriptions, ecological monitoring of exotic and native plants and animals, wetlands functional value assessments, threatened and endangered species surveys, and document preparation to support permit compliance and mitigation bank credit release for a 1,256-acre freshwater wetland mitigation bank in Palm Beach County. Performs extensive field efforts including monitoring and characterization of site, establishing vegetation and wildlife sampling stations, and water level monitoring. Ecological monitoring program determines restoration success and includes use of drift fences for sampling of reptiles, amphibians, and small mammals, minnow traps for macroinvertebrates and fish, time-area counts for birds, and use of line intercept method for collecting vegetative data. Coordinates with engineers and leads the field activities of the hydrological monitoring program. Wetland restoration success involves the restoration of an Everglades mosaic system in an area dominated by exotic and inappropriate vegetation.

Florida Power & Light, Wetland Delineation, Restoration Planning, SAV mapping at Turkey Point Nuclear Plant, Homestead, FL (2016–2017). Provided an ecological evaluation and restoration plan for the Barge Canal Water Quality Improvement project, located at the Turkey Point nuclear power plant in Homestead, Miami-Dade County. The project involved evaluating benthic, mangrove, and freshwater wetland communities. Wetlands were delineated and SAV mapped in support of restoration planning and permit acquisition.

Florida Power & Light, Fish Surveys at Turkey Point Nuclear Plant, Homestead, FL. In support of a Combined Operating License (COLA) Application for proposed new nuclear units at Turkey Point nuclear plant, conducted surveys of fish in on-site cooling canals, mangrove wetlands, and drainage ditches. Survey goals were to gather baseline data to support environmental impact assessment and determine the presence of sensitive fish species, particularly the mangrove rivulus (*Rivulus marmoratus*) a state species of concern found in regional mangrove wetlands. Implemented surveys, collected written and photographic documentation of sampling activities and data, and ensured proper handling and processing of all fish captured.

EXPERIENCE SUMMARY

Ms. Canty's 18 years of experience includes 13 years in coastal ecosystems and freshwater wetlands. Her professional experience has focused on the management of natural resources including habitat assessments, restoration, and monitoring. Ms. Canty is proficient at performing impact assessments and surveys of environmentally sensitive areas, including coral reef and seagrass habitat, and presenting the results for preservation or restoration planning. Her current responsibilities include the collection, interpretation, and reporting of ecological and hydrological data from a 1,256-acre mitigation bank, as well as performing with several ecological teams to restore coral reef and seagrass habitat in numerous locations throughout Biscayne and Everglades National Parks. She is a current member of the Reef Environmental Education Foundation (REEF) Advanced Assessment Team (AAT) with field experience conducting reef fish, coral, and marine algae surveys in Southeast Florida and Hawaii. She has incorporated regulatory support to her skill set through interaction with federal, state, and local agencies on behalf of clients in need of obtaining permits.

RELEVANT EXPERIENCE

South Florida Water Management District (SFWMD), Loxahatchee Mitigation Bank, Delray Beach, FL (2006–Present). Responsible for ecological monitoring of exotic and native plants and animals, wetlands functional value assessments, threatened and endangered species surveys, and document preparation to support permit compliance and mitigation bank credit release for a 1,256-acre mitigation bank in Palm Beach County. Performs extensive field efforts including monitoring and characterization of site, establishing vegetation sampling stations, and water level monitoring. Ecological monitoring program goal is to determine restoration success and includes use of line intercept and quadrat methods for collecting vegetative data. Coordinates with engineers and performs field activities associated with the hydrological monitoring program. Wetland restoration success involves the restoration of an Everglades mosaic system in an area dominated by exotic and inappropriate vegetation.

Confidential Client, Wetland Delineations and Listed Species Surveys, South Florida (2016–Present). Responsibilities include conducting due diligence wetland and wildlife assessments of numerous properties located throughout Florida. The purpose of the DDR (Due Diligence Report) is to evaluate, in an expedited manner, the natural and human environment within the subject property. The site assessments characterize key environmental resources, land uses, and potential restrictions and constraints within the vicinity of the subject properties, determine potential major issues, and identify required or recommended future studies to support project construction and operation.

South Florida Water Management District, C43 Water Quality Treatment Area Test Facility, Mesocosm Operation and Sampling (2016–2019). Site manager/biologist for this project with the goal to reduce nutrient discharges to the Caloosahatchee River and Estuary. The South Florida Water Management District (SFWMD) and Lee County are partnering on the C-43 Water Quality Testing Facility project. Tetra Tech teamed with Wetland Solutions, Inc. (WSI) to design a system of mesocosms that is based on the conceptual design prepared by WSI in 2012. Responsibilities include construction, operation and maintenance, water quality and soil sampling, reporting, and presenting results to a multi-agency team for the mesocosm facility for 3-year study.

Lehigh Acres Municipal Services Improvement District (LAMSID), Site Assessment/Wetland Delineation/Monitoring (2017–Present). Tetra Tech conducted a field investigation of the subject property located in the city of Lehigh Acres in Lee County, Florida. The subject property is proposed to provide stormwater attenuation and management in support of a road widening project. The purpose of the field investigation was to document current site conditions including an assessment of jurisdictional wetlands and state and/or federally listed species and their associated habitats within the subject property.

PROJECT ROLE

Preliminary Wetland and Protected Species Assessments

EDUCATION

BS, Marine Biology, University of Hawaii, 2001

AREAS OF EXPERTISE

Large-scale biological field studies

Vegetation ecology

Wildlife and aquatic surveys

Ecological monitoring

REGISTRATION/AFFILIATIONS

Florida Association of Environmental Professionals

PADI, Advanced Open Water

American Academy of Underwater Sciences, Scientific Diver

FWC Licensed Gopher Tortoise Agent, 2011

OFFICE

Stuart, Florida

CITY OF RESIDENCE

Jensen Beach, Florida

YEARS OF EXPERIENCE

18

Subsequently, LAMSID developed the Monitoring Plan (Tetra Tech 2018) to provide assurances that the naturally recruited freshwater marsh mitigation area is monitored and maintained for success. Tetra Tech performed the monitoring event for the 10.5-acre freshwater marsh mitigation area. It captures the initial post-construction hydrologic and ecological conditions documented for the preserve mitigation area.

Harbour Ridge Yacht & County Club—Environmental and Engineering Support for Golf Course Modifications (2018). Conducted gopher tortoise surveys and wetland delineations to assist Harbour Ridge with environmental services for intended modifications to the Golden Marsh golf course.

City of Ft. Pierce, Fort Pierce City Mangrove and Coastal Dune Habitat Monitoring, Indian River Lagoon, Ft. Pierce, FL (2011–Present). In response to the devastating hurricanes that affected Martin County in 2004, the City of Fort Pierce (the City) proposed to construct a storm protection system surrounding the Fort Pierce City Marina and City waterfront, with the intent to provide shoreline protection from future storm events. Included as part of the storm protection components, the City developed 11 free-form habitat islands and a storm protection habitat island (10.51 acres [ac]) to enhance the natural environment by creating a mosaic of habitats for fish and shellfish, wildlife, and birds. The habitats created on the Storm Protection Habitat Island (Island) include coastal dunes (including tern habitat, 4.25 ac), mangrove fringes (1.30 ac), oyster (1.14 ac), and limerock (2.41 ac). Responsibilities include collecting vegetation species, percent cover, number of planting units, and planting unit mortality data along mangrove and dune transects, and height measurements of planted mangroves; collecting photographic documentation of representative resources and conditions; documenting wildlife utilization; record water quality parameters and physical conditions; data analysis; and report preparation.

USEPA, USEPA National Wetlands Condition Assessment, (2011). Lead botanist/ecologist. Project designed as part of U.S. EPA National Aquatic Resource Survey to assess the biological, chemical, and physical conditions of wetlands throughout the country. Responsibilities included performing lead botanist role for sampling sites throughout Florida. Site activities included locating the NWCA POINT and establishing the Assessment Area, collecting vegetation data and plant specimens, collecting data for the USA-RAM Assessment Area Metrics. Pressing of plant specimens, plant specimen tracking, keying and identification of unknown species, drying plant specimens, and shipping specimens to appropriate herbaria was performed at the conclusion of field activities.

Florida Power & Light, Fish Surveys at Turkey Point Nuclear Plant, Homestead, FL (2009). As biologist in support of a Combined Operating License (COLA) Application for proposed new nuclear units at Turkey Point nuclear plant, conducted surveys of fish in on-site cooling canals, mangrove wetlands, and drainage ditches. Goals of surveys were to gather baseline data to support environmental impact assessment and determine if any sensitive fish species were present. Of interest was the mangrove rivulus (*Rivulus marmoratus*), a state species of concern that is found in mangrove wetlands in the region. Responsible for implementing surveys, collecting written and photographic documentation of sampling activities and data, and ensuring proper handling and processing of all fish captured.

National Park Service, Everglades National Park (EVER), Natural Resource Damage Assessments at Multiple Vessel Grounding Sites in the Florida Keys (2017–Present). Responsibilities for the assessment of injuries to this mixed seagrass/coral community include coordination with EVER staff to ensure agreement with project objectives and assessment methods, performance of a site visit to collect data on current site conditions, and preparation and implementation of an Assessment Plan. Specific assessment activities include determination and subsequent mapping of the injury area using a portable remote diver-directed device housing a Trimble® DGPS. The collected data are transmitted back to the work platform via telemetry; data are then captured and processed using Hypack® software. In addition to mapping, physical descriptions of both the injury and reference areas are noted and photographically documented.

City of Key West, Coral Inventory and Benthic Resource Surveys, Key West, FL (2016–Present). Tetra Tech is working with the City of Key West (City) to collect the necessary survey data and prepare the construction documentation needed to facilitate the improvements of gravity-type seawalls located adjacent to the Half Shell Raw Bar and Turtle Krawls Restaurants in Key West, Florida. Tetra Tech is performing certified resource surveys during the permitting process and preparing written reports cataloging the resources and showing their position and size along the face of the existing walls. The results of the resource surveys will be presented to NOAA for comment and will be used during the permitting process with the Florida Department of Environmental Protection and the U.S. Army Corps of Engineers.

National Park Service, Biscayne National Park (BISC), Coral Reef Restoration Monitoring, Homestead, FL (2017–Present). Responsibilities as biologist entail coral reef restoration monitoring activities at a coral reef grounding site previously restored by Tetra Tech, which is responsible for field data collection including benthic community development, colony health assessment, coral recruitment, and substrate stability monitoring data at the coral reef restoration site. Tetra Tech working with BISC staff will monitor the coral reef restoration site on an annual basis for a period of five years.

EXPERIENCE SUMMARY

Ms. Sovacool has more than 13 years of experience focused on permitting and ensuring compliance with federal, state, and local environmental project permitting requirements. Environmental permits include Environmental Resource Permits (ERP), Sovereign Submerged Lands (SSL) authorizations, and USACE State Programmatic General Permits (SPGP). As a former Florida Department of Environmental Protection environmental resource permitting program manager and compliance assurance program manager, Ms. Sovacool was responsible for coordinating permitting applications and enforcing compliance with regulations districtwide for the Environmental Resource Program and Coastal Construction Control Line program. In this role she was also responsible for interacting with the public, stakeholders, agencies, and consultants as needed regarding permitting and compliance with state and federal requirements, which included evaluating permitting submittals and compliance inspection reports, making recommendations to expedite the permitting process and to ensure compliance with state requirements.

RELEVANT EXPERIENCE

South Florida Water Management District (SFWMD), Office of Federal Policy and Coordination, West Palm Beach, FL (2019). As senior project manager, responsible for planning and implementing ongoing and future Comprehensive Everglades Restoration Plan (CERP) projects, a 50/50 cost-share state-federal partnership program with the USACE. Executed project delivery process by managing high-profile/high-priority projects that support the SFWMD's strategic Comprehensive Everglades Restoration Programs, including the Biscayne Bay Coastal Wetlands project and the Kissimmee River Restoration project. Led diverse project management teams, including other project managers, scientists, engineers and hydrologists, with representatives from multiple federal, state, local and tribal governments under tight deadlines while aligning the scope, schedule and budget with the SFWMD's strategic mission. Duties included interacting with stakeholders and governing board members to share complex and sensitive information with internal stakeholders and external stakeholders at various public meetings, including governing board workshops and public outreach meetings.

Florida Department of Environmental Protection (FDEP), Southeast District Office, West Palm Beach, FL (2018–2019). As compliance assurance program manager, responsible for districtwide coordination of compliance assistance to help the public and regulated community maintain compliance with applicable state and federal regulations within the Environmental Resource Program (ERP), Coastal Construction Control Line (CCCL) and Wastewater programs. Supervised staff to meet or exceed the Level of Service (LOS) for the FDEP's internal and external customers. Provided technical assistance and guidance to the general public, consultants, governmental agencies, and key stakeholders regarding state and federal requirements for the various programs within the Compliance Assurance Program. Reviewed and evaluated compliance assurance inspection reports and made recommendations to resolve non-compliance issues. Ensured that all citizen complaints are addressed in a prompt and effective manner. Reviewed and approved non-compliance letters, warning letters, notices of violations, and case reports, and assist in preparation of enforcement cases. Managed multiple staff with responsibility for maintaining a training schedule.

Florida Department of Environmental Protection, Southeast District Office, West Palm Beach, FL (2015–2018). As environmental resource permitting program manager, reviewed and managed staff review of a wide range of Environmental Resource Permits (ERPs) and Sovereign Submerged Lands (SSL) authorizations, including docks, marinas, wetland fill, dredging, transmission line corridors, utility crossings, power plants/substations, solar field

PROJECT ROLE

Environmental Permitting

EDUCATION

BS, Environmental Science and Policy, University of South Florida, 2005

AREAS OF EXPERTISE

Environmental Resource Permits and compliance

Sovereign Submerged Lands authorizations

Stakeholder/agency interaction

Uniform Mitigation Assessment Method (UMAM) applications

TRAINING / AFFILIATIONS

FDEP Stormwater, Erosion & Sedimentation Control Inspector Training, 2019

FEMA Basic Incident Command and Response Training, 2019

Dale Carnegie Leadership Training for Managers, 2017

Chapter 62-340, F.A.C. Wetland Delineation Training, Annually, 2008-2015

OFFICE

Stuart, Florida

CITY OF RESIDENCE

Palm Beach Gardens, FL

YEARS OF EXPERIENCE

13

projects, artificial reefs, and other various projects occurring in, on or over wetlands or other surface waters. Oversaw the timely issuance of permits, helping to streamline review where possible. Permitting program responsibilities included performing wetland delineations/verifications; applying the Uniform Mitigation Assessment Method (UMAM) or other appropriate mitigation assessment method; conducting site inspections for environmental assessments; reviewing construction plans, mitigation plans, and environmental data; preparing technical staff reports and letters; conducting pre-application meetings and meetings during the review process to assist consultants and applicants with developing and completing applications through the design-review process and coordinating the review of projects with other processing team members, as necessary. Evaluated permit applications to determine if they met the delegated USACE Standard Programmatic General Permit (SPGP). Worked with the appropriate Division staff to implement and streamline programmatic processes as a means of continuous process improvement. Engaged the ERP team in cross-training and process improvement activities.

St. Johns River Water Management District, Maitland, FL (2008–2015). Regulatory scientist responsible for reviewing the environmental portion of a wide range of applications for Environmental Resource Permits (ERPs), Sovereign Submerged Lands (SSL) authorizations, and Consumptive Use Permits (CUPs), consisting primarily of large-scale development (e.g., mixed use, subdivisions, commercial developments, and other PUDs), government stormwater retrofit projects, FDOT and local roadways, airports and floodplain restoration projects. Permitting responsibilities included: performing wetland delineations; applying the Uniform Mitigation Assessment Method (UMAM) or other appropriate mitigation assessment method; conducting site inspections for environmental assessments; reviewing construction plans, mitigation plans, and environmental data; preparing technical staff reports and letters; conducting pre-application meetings and meetings during the review process to assist consultants & applicants with developing and completing applications through the design-review process; coordinating the review of projects with other review team members and the supervising Regulatory Scientist, as necessary; performing environmental assessments using hydrologic model simulations of aquifer changes, aerial photographs, vegetation, soils, rainfall and other environmental data; documenting project actions, activities, and pertinent information. Reviewed the environmental portion of a wide range of compliance and enforcement projects to evaluate conformance with District rules and issued permits. Compliance responsibilities included conducting periodic site inspections during and upon completion of project construction/implementation to monitor environmental conditions; evaluating compliance submittals; reviewing and evaluating monitoring reports; evaluating the progress of wetland mitigation areas; responding to complaints and public information request pertaining to rule violations and wetland impacts; facilitating resolutions to non-compliance issues; performing permit determinations; writing technical reports and coordinating with other compliance team members and supervisors, as necessary.

Florida Dept. of Environmental Protection, Southeast District Office, West Palm Beach, FL (2006–2008). As environmental specialist, reviewed a wide range of Environmental Resource Permits (ERPs) and Sovereign Submerged Lands (SSL) authorizations, primarily consisting of docks, marinas, wetland fill, dredging, transmission line corridors, utility crossings, power plants/substations, artificial reefs, and other various projects occurring in, on or over wetlands or other surface waters. Permitting program responsibilities included: performing wetland delineations/verifications; applying the Uniform Mitigation Assessment Method (UMAM) or other appropriate mitigation method; conducting site inspections for environmental assessments; reviewing construction plans, mitigation plans, and environmental data; preparing technical staff reports and letters; conducting pre-application meetings and meetings during the review process to assist consultants & applicants with developing and completing applications through the design-review process; and coordinating the review of projects with other processing team members, as necessary.



J. Lee Cook
Senior Ecologist

Education and Certifications

Years of Professional Experience: 24

MS, Biology, Tennessee Technological University, 1992

BS, Biology, Virginia Tech, 1990

- Society of Wetland Scientists Certified as a Professional Wetland Scientist (PWS 0001107), 1997, renewed 2017
- Tampa Bay Association of Environmental Professionals
- Florida Association of Environmental Soil Scientists, Affiliate Member

Ms. Jacqueline Lee Cook is a Senior Ecologist for Quest Ecology Inc. and has over 20 years of experience in ecosystem analysis, environmental permitting, wetland delineation, and wildlife studies. She specializes in environmental permitting and natural resource management. She works with individuals, private development companies, utilities and municipalities to navigate complex local, state and federal regulations and permitting requirements surrounding protected resources, primarily wetlands and listed species. She has years of field experience performing wetland jurisdictional determinations, hydric soil identifications, ecosystem analyses, wetland mitigation design, mitigation banking and wildlife studies.

Prior to her employment at Quest Ecology, Ms. Cook worked as a Wetlands Biologist in the Regulatory Program of the U.S. Army Corps of Engineers for nine years. Her main duties consisted of conducting jurisdictional determinations over Waters of the U.S. as part of the regulatory review process of Department of the Army (DOA) permit applications. Ms. Cook performed permitting of large development projects and mining operations, including mitigation design, and enforcement actions. Ms. Cook was also instrumental in developing the field review portion of the Corps of Engineers Wetlands Jurisdictional Certification Program. She frequently provided wetland delineation training to State and Federal employees and members of the private sector.

Project Experience

Port St. Lucie Blvd. from Becker Road to Darwin Road PD&E Study, FDOT - Assisted in listed species project research. St. Lucie County.

Florida Power and Light – Prepared, assembled and submitted FDEP and USACE general permit applications on behalf of Florida Power and Light to install, replace and/or remove utility poles to harden existing overhead transmission line systems. Potential impacts to wetlands and/or gopher tortoises where applicable, and best management practices were addressed to ensure permit issuance and compliance with all general conditions. Various Florida Counties.

Quest Ecology Inc. 735 Lakeview Drive, Wimauma, FL 33598 813.642.0799 Fax 813.642.0380

Pinellas County Department of Solid Waste - Provided regulatory oversight, including field verification of the Federal wetland jurisdictional determination, listed species consultation and mitigation review, prior to issuance of a Federal permit authorizing wetland impacts for the build out of the Bridgeway Acres Landfill.

Bartlett Park Lake Improvements, SWFWMD - Provided regulatory oversight prior to issuance of a Federal permit authorizing wetland impacts for the purpose of restoring a tidal marsh on a tributary to Tampa Bay and construction of two artificial reefs. Pinellas County.

St. Petersburg Junior College and the SWFWMD - Provided regulatory oversight, including a jurisdictional determination, prior to issuance of a Federal permit authorizing wetland impacts for the purpose of constructing a 12.9-acre Wetland Enhancement and Storm water Retrofit (WESR) project located on the 102 acre SPJC Seminole Campus. Pinellas County.

Davenport Listed Species Survey – Conducted listed species surveys for gopher tortoises, sand skinks and blue-tailed mole skinks on a proposed development site. Polk County.

Eastern Indigo Snake Survey- Conducted 24 hours of pedestrian surveys on the Mosaic Wellfield site as part of an annual monitoring requirement from the US Fish and Wildlife Service. Manatee County.

Scrub Conservation Bank – Conducted Florida sand skink pedestrian surveys as part of an annual monitoring requirement to document compliance with the Long-Term Management plan for the Scrub Conservation Bank.

Lincoln Recreation and Nature Park, Mount Dora - Performed ecological assessment, delineated wetlands associated with Lake Franklin, and evaluated the potential for and/or presence of endangered species, particularly gopher tortoises throughout the project site. Lake County.

River Point of Manatee Associates, Inc. - Provided regulatory oversight, including endangered species consultation involving the Florida manatee, prior to issuance of a Federal permit authorizing the construction of a boat ramp and associated docking facility. Manatee County.

Drew Park Stormwater Improvements, City of Tampa - Performed ecological assessments pertaining to proposed stormwater improvements in the Drew Park area. Conducted site visits to assess potential wetland impact areas and to establish SHWT elevations and ordinary high water (OHW) elevations. Attended an on-site meeting with the SWFWMD to discuss the project specifics, evaluated the potential for and/or presence of listed wildlife species, particularly gopher tortoises, and advised the City of the most recent permitting guidelines. Hillsborough County.

CR 582/Knights Griffin Road from Itchepackesassa Creek to Bridge – Responsible for field surveys, wetland delineations, environmental permitting, and Wetland Evaluation Report for a bridge replacement requiring a lengthy detour. Hillsborough County, FL.

SR 50 PD&E Study Brooksville Bypass/SR50A/East Jefferson Street to I-75 - Performed listed plant and animal surveys, met with FDOT staff on site, and assisted in the research and creation of the WEBAR. Hernando County, Florida.



Vivienne Handy, PWS
Principal Ecologist

Education and Certifications

Years of Professional Experience: 32

BS-Biology, University of South Florida, 1984

City of Residence: Wimauma, FL

- Certified Professional Wetland Scientist (PWS, #370), Society of Wetland Scientists
- U.S. Army Corps of Engineers Wetland Delineation Methodology Course
- Uniform Wetland Assessment Methodology (UMAM) Training
- FDOT Project Development and Environment (PD&E) Manual Training
- FDOT Efficient Transportation Decision Making (ETDM) Training

Vivienne Handy is the President and Principal Ecologist for Quest Ecology Inc. She founded Quest in 1996, and has over 30 years of experience in environmental permitting and documentation, impact assessment, and natural resource management. Prior to the formation of Quest Ecology, Ms. Handy served in a variety of positions with regulatory agencies and engineering and consulting firms.

A significant portion of Ms. Handy's career experience has consisted of conducting and managing field studies and environmental documentation. This includes planning, permitting and construction oversight for a wide variety of projects and clients, from roadway and bridge studies to mine reclamation projects. Ms. Handy's recent focus has been on NEPA and Endangered Species Act issues, including working with the U.S. Fish and Wildlife Service on the development of regional, multi-species Habitat Conservation Plans (HCP), large-scale habitat management planning, and species translocations. Ms. Handy has recently overseen the development of six HCP's, including county-wide plans involving multiple habitats and species, as well as project-specific Incidental Take Permits. Ms. Handy is also heavily involved in the development and permitting of wetland mitigation banks and conservation banks for listed species, and was responsible for the permitting of the first Conservation Bank for Florida scrub-jay and sand skink in the State of Florida.

Currently, Ms. Handy manages projects throughout the state that involve impact assessments, Environmental Resource Permitting, HCP implementation, floral and faunal surveys, habitat restoration and management, and wetland mitigation design and site management. These projects are for clients such as the FDOT, local governments, the mining industry, utilities, and commercial and residential developers.

Project Experience

St. Lucie County County-wide HCP for Florida Scrub-jay – Project Manager for county-wide data collection, surveys, ground-truthing, mitigation planning, reserve design development and HCP/ITP coordination and document preparation.

Charlotte County County-wide HCP for Florida Scrub-jay – Project Director responsible for oversight of data collection, field surveys, Steering Committee and Interagency Task Force development, public involvement, and development of draft and final HCP, and implementation of habitat management plans. Charlotte County Natural Resources Department.

City of Cape Coral Habitat Conservation Plan – Project Director overseeing all data collection and field surveys; Steering Committee and public involvement presentations; preparation of mitigation and management plans; preparation of draft and final HCP documents; and agency and local government coordination. Lee County.

Highlands County County-wide Multi-Species HCP – Project Director responsible for the coordination of all data collection, field surveys, mapping, Technical Advisory Group and Stakeholder Group coordination, preparation of presentation materials, meeting facilitation, development of Reserve System alternatives and draft HCP for 46 listed species within scrub habitats. Highlands County BOCC.

Deep Creek Batch HCP/ITP – Project Ecologist for field studies, mapping, documentation and permitting of incidental take of scrub-jay habitat on development parcels for four landowners in the Deep Creek region of Charlotte County.

Ortona Mine Florida Panther Mitigation – Assistance with impact assessments, mitigation planning, and USFWS coordination for mine expansion project within panther dispersal area. Calculated Panther Habitat Units (PHUs) for impact and proposed mitigation area. Hendry County.

CR 951 Project Development & Environment Study (PD&E)/EIS, Lee County Department of Transportation – Lead Ecologist for field data collection, research and agency coordination; preparation of ESBA and participation in public involvement for 12-mile roadway extension project involving extensive public lands and primary Florida panther habitat. Lee and Collier Counties.

SR 60 Florida Panther Crossing Siting Study, FDOT District 4 – Field data collection and evaluation of the suitability of two proposed wildlife crossing designs targeting Florida panther. Indian River County.

Allapattah Flats Restoration Project, SFWMD – Listed Species surveys, habitat evaluations and mapping, and restoration design recommendations for over 20,000-acre Wetland Reserve Program parcel. Martin County.

NE 23rd Bridge Replacement, FDOT District 4 – Project Director responsible for oversight of local, state and federal environmental permitting. Broward County.

SR-5/US-1 PD&E Study from 53rd Street to CR-510, FDOT District 4 – Project Director responsible for QA/QC of Endangered Species Biological Assessment (ESBA), Contamination Screening Evaluation Report (CSER), and WER. Indian River County.

SR 501 PD&E Study & Design/Permit (SWAT) from Michigan to Industry Road, FDOT District 5 – Project Manager for field data collection, wetland delineation, mapping, NRE and permit document preparation. Brevard County.



Tab 2 ■ Experience



Tab 2 ■ Experience

Longevity in Florida

Tetra Tech has been serving the environmental consulting, engineering and science needs of government and commercial clients in south Florida since 1977—more than 40 years. Since forming in 1966, Tetra Tech has emerged as a leading provider of environmental consulting, engineering, and technical services offering proven experience and demonstrated excellence in environmental audits, code revisions, Phase I and II site assessments, wetland and protected species assessments, environmental permitting, and wetland and preserve area management for state, federal and local agencies.

The following table includes a list of government entities Tetra Tech has worked for over the last 5 years in Florida. Note, the list is not exhaustive, i.e., not all city or county departments may be listed; no schools or school districts are included in the listing. Duplicates are listed one time (e.g., for this time period there are 94 projects for FDEP).

Table 2-1. Government Clients in Florida—Last 5 years (Since 2014)

Agency	START	END
ALACHUA COUNTY	9/30/2018	12/31/2040
BAY COUNTY	7/28/2018	8/28/2022
BAY COUNTY BOARD OF COUNTY COMMISSIONERS	4/1/2019	12/31/2019
BREVARD COUNTY	5/6/2017	5/6/2018
BREVARD COUNTY SOLID WASTE	10/26/2019	10/26/2021
BREVARD COUNTY UTILITIES DEPARTMENT	7/27/2019	7/27/2021
BREVARD COUNTY PUBLIC WORKS DEPARTMENT	10/1/2017	12/31/2019
BROWARD COUNTY	8/30/2019	9/30/2019
CANAVERAL PORT AUTHORITY	12/22/2014	11/20/2015
CENTRAL FLORIDA EXPRESSWAY AUTHORITY	12/3/2018	12/3/2024
CHARLOTTE COUNTY	11/17/2018	10/1/2023
CHARLOTTE COUNTY BOARD OF COUNTY COMM	7/30/2018	3/31/2020
CITY OF ALTAMONTE SPRINGS	4/11/2013	10/18/2019
CITY OF AOPKA	2/28/2015	3/1/2016
CITY OF AOPKA PUBLIC SERVICES DEPARTMENT	7/30/2016	10/1/2021
CITY OF BARTOW	12/10/2016	10/1/2021
CITY OF BELLEAIR BLUFFS	8/30/2019	9/30/2019
CITY OF BOCA RATON	8/30/2019	10/25/2019
CITY OF BONITA SPRINGS	5/1/2017	5/1/2024
CITY OF BOWLING GREEN	7/29/2017	7/29/2022
CITY OF BRADENTON	5/11/2013	10/2/2018
CITY OF BUNNELL	10/8/2016	10/29/2017
CITY OF CALLAWAY	10/1/2018	11/8/2019





Table 2-1. Government Clients in Florida–Last 5 years (Since 2014)

Agency	START	END
CITY OF CAPE CANAVERAL	4/16/2016	10/1/2021
CITY OF CAPE CORAL	3/24/2019	12/31/2020
CITY OF CASSELBERRY	5/11/2019	10/1/2023
CITY OF CLEARWATER	1/16/2016	10/1/2021
CITY OF CLERMONT	9/29/2019	12/31/2020
CITY OF CLEWISTON	8/1/2016	8/1/2023
CITY OF COCOA	10/22/2016	10/1/2021
CITY OF COCOA BEACH	7/22/2017	10/1/2021
CITY OF COOPER CITY	8/30/2019	9/30/2019
CITY OF CORAL GABLES	2/7/2019	2/6/2020
CITY OF DAYTONA BEACH	12/30/2017	10/1/2022
CITY OF DAYTONA BEACH SHORES	5/14/2010	11/8/2019
CITY OF DEERFIELD BEACH	9/7/2017	9/21/2018
CITY OF DELTONA	3/1/2019	2/28/2021
CITY OF DESTIN	8/11/2017	11/30/2018
CITY OF DORAL	8/30/2019	9/30/2019
CITY OF DORAL	9/7/2017	10/5/2018
CITY OF DUNEDIN	9/9/2018	2/15/2019
CITY OF DUNEDIN	8/30/2019	9/30/2019
CITY OF EDGEWATER	6/30/2012	12/31/2021
CITY OF EUSTIS	5/5/2019	11/9/2019
CITY OF FLAGLER BEACH	10/9/2016	10/27/2017
CITY OF FORT LAUDERDALE	7/21/2019	7/22/2020
CITY OF FORT MYERS	6/13/2015	6/13/2020
CITY OF FORT PIERCE	8/20/2011	9/30/2015
CITY OF FORT PIERCE ENGINEERING	9/7/2016	6/30/2020
CITY OF GROVELAND	1/3/2019	8/9/2019
CITY OF GULFPORT	9/10/2017	10/5/2018
CITY OF HOLLY HILL	8/30/2019	9/30/2019
CITY OF HOMESTEAD	12/16/2017	12/16/2022
CITY OF JACKSONVILLE FLORIDA	10/22/2012	8/31/2016
CITY OF KEY WEST	10/1/2019	2/29/2020
CITY OF KISSIMMEE	2/9/2019	10/1/2023
CITY OF LAKE CITY	8/13/2018	12/31/2019
CITY OF LAKE HELEN	10/8/2016	10/29/2017
CITY OF LAKE MARY COMMUNITY DEVELOPMENT	9/22/2018	10/1/2022
CITY OF LAKE WORTH	1/15/2011	10/2/2018
CITY OF LAKELAND	1/21/2017	1/21/2022
CITY OF LARGO REC. PARKS AND ARTS DEPT	9/22/2019	2/20/2020
CITY OF LYNN HAVEN FL	10/8/2018	12/31/2019





Table 2-1. Government Clients in Florida–Last 5 years (Since 2014)

Agency	START	END
CITY OF MARATHON	9/2/2017	12/21/2018
CITY OF MARCO ISLAND	4/27/2019	4/27/2024
CITY OF MELBOURNE	8/30/2019	9/30/2019
CITY OF MELBOURNE	9/7/2017	10/5/2018
CITY OF MIAMI	6/3/2019	12/18/2019
CITY OF MINNEOLA	12/2/2013	1/30/2016
CITY OF MIRAMAR	9/7/2017	2/8/2019
CITY OF MOUNT DORA	9/7/2017	9/21/2018
CITY OF NAPLES	6/23/2019	12/31/2019
CITY OF NAPLES AIRPORT AUTHORITY	5/5/2018	5/5/2022
CITY OF NEW ORLEANS	1/5/2019	10/1/2023
CITY OF NORMAN	6/10/2015	5/27/2016
CITY OF NORTH MIAMI	9/15/2019	12/31/2020
CITY OF NORTH PORT	3/26/2016	10/1/2021
CITY OF OAK HILL	10/29/2016	6/9/2017
CITY OF OAKLAND PARK	8/30/2019	9/30/2019
CITY OF OCALA	12/8/2016	3/16/2018
CITY OF OLDSMAR	9/10/2017	6/30/2018
CITY OF ORANGE	11/1/2017	8/31/2018
CITY OF ORLANDO	10/11/2018	10/11/2023
CITY OF ORLANDO (PUBLIC WORKS)	7/19/2019	10/1/2024
CITY OF ORLANDO TRANSPORTATION DEPT	5/26/2018	10/1/2022
CITY OF OVIEDO	2/16/2019	10/1/2023
CITY OF PALM BAY	9/7/2019	10/1/2023
CITY OF PALMETTO	5/26/2018	10/1/2022
CITY OF PANAMA CITY BEACH	3/15/2019	3/15/2020
CITY OF PARKER	10/11/2018	8/23/2019
CITY OF PARKLAND, FL	8/30/2019	9/30/2019
CITY OF PEMBROKE PINES	1/9/2016	10/1/2021
CITY OF PENSACOLA FL	9/27/2013	12/31/2014
CITY OF PINELLAS PARK	1/17/2018	12/31/2019
CITY OF POMPANO BEACH	11/25/2018	5/18/2020
CITY OF PORT ORANGE	8/30/2019	9/30/2019
CITY OF PORT ST LUCIE	9/14/2019	10/1/2024
CITY OF PORT ST LUCIE (PUBLIC WORKS)	2/24/2018	10/1/2022
CITY OF PUNTA GORDA	9/14/2019	9/14/2024
CITY OF ROCKLEDGE	11/21/2015	10/1/2021
CITY OF SAFETY HARBOR	8/30/2019	9/30/2019
CITY OF SAINT CLOUD	12/17/2018	12/17/2023
CITY OF SANFORD	2/13/2016	10/1/2021





Table 2-1. Government Clients in Florida–Last 5 years (Since 2014)

Agency	START	END
CITY OF SANIBEL	2/23/2019	2/23/2024
CITY OF SARASOTA	8/3/2019	10/1/2023
CITY OF SATELLITE BEACH	7/2/2018	8/31/2018
CITY OF SEBASTIAN, FL	9/24/2016	10/1/2021
CITY OF SEMINOLE	8/30/2019	9/30/2019
CITY OF SOUTH DAYTONA	8/30/2019	9/30/2019
CITY OF SOUTH PASADENA	9/10/2017	9/15/2018
CITY OF SPRINGFIELD	10/1/2018	11/8/2019
CITY OF ST CLOUD	9/28/2019	10/1/2024
CITY OF ST PETERSBURG	8/30/2019	9/30/2019
CITY OF STUART	3/2/2019	10/1/2023
CITY OF SUNRISE CITY	9/7/2017	10/5/2018
CITY OF TALLAHASSEE	8/3/2019	8/3/2023
CITY OF TALLAHASSEE ELECTRIC PURDOM PLANT	11/1/2016	11/1/2021
CITY OF TALLAHASSEE FACILITIES MANAGEMENT	3/1/2014	3/1/2021
CITY OF TALLAHASSEE PARKS AND REC	8/4/2018	8/4/2022
CITY OF TALLAHASSEE- POWER ENGINEERING	12/15/2018	12/15/2022
CITY OF TALLAHASSEE- PROCUREMENT OFFICE	12/1/2016	12/1/2021
CITY OF TALLAHASSEE WATER	4/5/2019	4/5/2023
CITY OF TALLAHASSEE WATER RES ENG STWTR MGMT	5/1/2016	5/1/2021
CITY OF TAMARAC	8/30/2019	9/30/2019
CITY OF TAMPA	12/10/2016	10/1/2021
CITY OF TARPON SPRINGS	8/30/2019	9/30/2019
CITY OF TAVARES	7/31/2016	8/25/2017
CITY OF TITUSVILLE	6/23/2018	10/1/2022
CITY OF VENICE	4/27/2019	10/1/2023
CITY OF VENICE FIRE DEPT	1/21/2017	10/1/2021
CITY OF VERO BEACH	1/16/2018	10/31/2019
CITY OF WEST MELBOURNE	10/28/2017	10/28/2020
CITY OF WEST PALM BEACH	10/12/2019	10/1/2024
CITY OF WILTON MANORS	9/7/2017	10/5/2018
CITY OF WINTER GARDEN	8/1/2017	8/2/2022
CITY OF WINTER HAVEN	2/6/2016	10/1/2021
CITY OF WINTER PARK	8/30/2019	9/30/2019
CITY OF WINTER PARK (STORMWATER DIV)	10/19/2017	10/19/2022
CITY OF WINTER PARK UTILITIES	3/26/2018	3/26/2023
CITY OF WINTER SPRINGS	1/26/2015	10/2/2015
COLLIER COUNTY	5/30/2017	5/30/2024
COLLIER COUNTY BOARD OF COUNTY COMMISSIONERS	3/1/2018	3/1/2024
COLLIER COUNTY COASTAL ZONE MANAGEMENT DEPT	1/1/2017	1/1/2024





Table 2-1. Government Clients in Florida–Last 5 years (Since 2014)

Agency	START	END
DEPARTMENT OF THE AIR FORCE	11/24/2018	10/1/2023
ESCAMBIA COUNTY	3/24/2015	12/23/2016
FLAGLER COUNTY	10/8/2016	10/29/2017
FLORIDA DEPARTMENT OF AGRICULTURE	4/27/2016	11/8/2019
FLORIDA DEPARTMENT OF CHILDREN AND FAMILIES	4/1/2016	9/30/2020
FLORIDA DEPARTMENT OF CORRECTIONS	9/1/2019	10/31/2019
FLORIDA DEPARTMENT OF ENV. PROTECTION (FDEP)	10/4/2018	10/4/2023
FLORIDA DEPARTMENT OF TRANSPORTATION	12/9/2018	12/12/2019
FLORIDA DEPT OF CORRECTIONS	9/22/2019	2/20/2020
HENDRY COUNTY	3/1/2016	3/1/2023
HERNANDO COUNTY	1/23/2018	4/30/2019
HIGHLANDS COUNTY BOARD OF COUNTY COMM	8/30/2019	9/30/2019
HILLSBOROUGH COUNTY	9/19/2015	10/1/2020
HILLSBOROUGH COUNTY PLANNING & INFRASTRUCTURE	9/7/2019	10/1/2024
HILLSBOROUGH COUNTY-PUBLIC WORKS	6/27/2015	10/1/2020
HOLLYWOOD CITY	7/14/2019	7/14/2022
IMMOKALEE WATER AND SEWER DISTRICT	6/16/2016	6/16/2024
INDIAN RIVER COUNTY	11/2/2019	10/1/2024
LAKE COUNTY	9/28/2019	10/1/2024
LAKE COUNTY DEPARTMENT OF FACILITIES	1/26/2019	10/1/2023
LAKE COUNTY GOVERNMENT	10/20/2018	10/1/2023
LEE COUNTY	12/1/2017	12/1/2024
LEE COUNTY MOSQUITO CONTROL DISTRICT	2/12/2016	2/12/2023
LEE COUNTY SOLID WASTE DIVISION	11/10/2016	11/10/2023
LEE COUNTY UTILITIES	6/13/2015	6/13/2020
LEON COUNTY FAC MANAGEMENT	4/28/2018	4/28/2023
LEON COUNTY PUBLIC WORKS	11/2/2019	11/2/2023
LEVY COUNTY FLORIDA	5/7/2017	6/30/2018
MANATEE COUNTY	10/12/2019	10/1/2024
MANATEE COUNTY RURAL HEALTH SERVICES	9/14/2019	10/1/2024
MARION COUNTY	8/30/2019	9/30/2019
MARTIN COUNTY	10/13/2018	10/1/2023
MARTIN COUNTY ENGINEERING DEPARTMENT	4/11/2018	4/11/2023
MIAMI-DADE COUNTY	12/9/2018	6/30/2020
MIAMI DADE AVIATION DEPARTMENT	8/17/2019	10/1/2023
MIAMI DADE FIRE RESCUE DEPT.	9/1/2019	12/31/2020
MIAMI DADE WATER & SEWER DEPARTMENT	12/2/2018	11/30/2020
MONROE COUNTY	9/2/2017	12/21/2018
NASA	8/20/2019	1/31/2024
OKEECHOBEE COUNTY BOARD OF COUNTY COMM.	4/2/2016	10/1/2021





Table 2-1. Government Clients in Florida–Last 5 years (Since 2014)

Agency	START	END
ORANGE COUNTY	4/6/2019	10/1/2023
ORANGE COUNTY ENVIRONMENTAL PROT DEPT	10/13/2005	12/31/2015
ORANGE COUNTY FACILITY MANAGEMENT	9/5/2017	9/5/2022
ORANGE COUNTY ORLANDO	8/30/2019	9/30/2019
ORANGE COUNTY PUBLIC WORKS DEPT	10/19/2018	10/19/2023
ORANGE COUNTY UTILITIES DEPARTMENT	4/7/2018	10/1/2022
ORANGE COUNTY UTILITIES ENGINEERING DIV.	10/28/2014	10/2/2018
ORLANDO UTILITIES COMMISSION	2/7/2015	10/1/2019
OSCEOLA COUNTY	11/20/2017	11/20/2022
PALM BEACH COUNTY VARIOUS OFFICES	9/29/2019	9/30/2020
PALM BEACH COUNTY CULTURAL COUNCIL	4/30/2016	10/1/2021
PASCO COUNTY	6/20/2015	10/1/2020
PINELLAS COUNTY BOARD OF COUNTY COMMISSIONERS	8/11/2019	8/13/2020
PINELLAS COUNTY PUBLIC WORKS ENGINEERING	7/6/2019	10/1/2024
POLK COUNTY	8/30/2019	9/30/2019
POLK COUNTY BOCC	9/21/2019	9/21/2024
POLK COUNTY UTILITIES DIVISION	9/22/2019	4/30/2030
PORT OF LONG BEACH DISTRICT	9/28/2006	12/31/2018
PORT OF PALM BEACH	4/23/2016	10/1/2021
PORT OF TAMPA BAY	6/1/2016	6/1/2018
SAINT JOHNS COUNTY	8/20/2019	2/1/2023
SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT	3/2/2015	6/30/2015
SAINT LUCIE COUNTY	5/26/2012	10/2/2020
SAINT LUCIE COUNTY BD COUNTY COMMISSIONERS	2/26/2018	12/30/2018
SAINT LUCIE COUNTY DEPT OF ENGINEERING	1/9/2019	12/13/2019
SANTA ROSA COUNTY	7/12/2013	7/12/2017
SARASOTA MANATEE AIRPORT AUTHORITY	4/13/2019	10/1/2023
SARASOTA COUNTY ENVIRONMENTAL SERVICES	11/4/2017	10/1/2022
SARASOTA COUNTY GOVERNMENT LAND ACQUISITION	8/4/2018	10/1/2022
SEMINOLE COUNTY	2/18/2019	2/18/2029
SHELL MUSEUM AND EDUCATIONAL FACILITY	4/20/2019	4/20/2024
SOUTH FLORIDA WATER MANAGEMENT DISTRICT	2/9/2019	2/9/2024
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT	5/9/2015	12/31/2018
SUWANNEE RIVER WATER MANAGEMENT DISTRICT	1/11/2016	9/30/2018
TOHO WATER AUTHORITY	10/6/2018	10/1/2023
TOWN OF INDIAN RIVER SHORES	2/24/2016	3/18/2016
TOWN OF JUPITER	1/25/2017	10/1/2022
U.S. BUREAU OF RECLAMATION	6/4/2013	3/31/2014
U.S. POSTAL SERVICE	8/17/2015	11/17/2015
U.S. ARMY CORPS OF ENGINEERS	10/20/2018	10/1/2023





Table 2-1. Government Clients in Florida–Last 5 years (Since 2014)

Agency	START	END
U.S. COAST GUARD	2/20/2016	10/1/2021
U.S. FISH & WILDLIFE SERVICE	9/30/2019	11/20/2020
USCG BASE MIAMI	9/7/2016	3/31/2017
USCG SECTOR JACKSONVILLE	1/6/2016	1/5/2020
VILLAGE OF BAL HARBOR	10/5/2019	10/1/2024
VILLAGE OF ESTERO	7/21/2019	1/30/2022
VILLAGE OF KEY BISCAYNE	10/28/2018	9/30/2019
VILLAGE OF WELLINGTON	7/2/2016	10/2/2021
VOLUSIA COUNTY	10/8/2016	11/2/2018
WALTON COUNTY	5/22/2018	2/29/2020

Experience Addressing the Scope of Work

The Tetra Tech team has significant experience in a broad range of environmental consulting, services. Below we have highlighted some of our projects that demonstrate our ability to address the services outlined in the RFP.

Environmental Audits of Development Packages

Our team has the knowledge and expertise to support and direct all the environmental aspects of assessing the City’s development packages compared to various audit criteria such as regulations or management practices, including the acquisition and divestiture process. We provide many distinct advantages to our clients. We are highly experienced in conducting the entire environmental auditing process, including initial due diligence through pre- and post-closing resolution of environmental issues.

Tetra Tech is well versed in regulatory impacts and will work with City staff to fully understand applicable codes and regulations that could potentially affect the development process. We also understand the results of this process are critical in determining the direction for a potential development. We also are able to provide expert witness support for various litigation and arbitration proceedings.

Uniquely, our team includes the resilience planning expertise of Erin Deady, PA, who assisted Martin County to secure and execute two FDEP Resilience Planning grants. This expertise will be especially useful for determining compliance with current facility vulnerability assessment guidelines related to future sea level rise planning efforts such as those promulgated by the Federal Emergency Management Agency (FEMA).

Below is a sample of projects, both large and small, that highlight our depth of capabilities.





Title/Location:	Compost USA CUP Review–St. Lucie County
Client Name:	St. Lucie County
Dates:	2015

Description: In December 2015, Tetra Tech was contracted to review a proposal submitted to St. Lucie County’s Planning Division for a Conditional Use Permit (CUP) to authorize Compost USA to mulch Class A and B biosolids on a parcel of land zoned AG-5. Specifically, the Tetra Tech team was asked to analyze the CUP proposal for impacts to air and groundwater resources as well as any concerns over exposure of nearby residences to health or human risks. The team analyzed the submitted materials and prepared a corresponding report of its findings.

Title/Location:	Champion Realty, LLC, Permit Compliance and Mitigation Review–Miami-Dade County, FL
Client Name:	Miami-Dade County
Dates:	2019

Description: In July 2019, Tetra Tech performed a review of available permits online and through records request with regulatory agencies for of property known as “F & M Truck Parking” located in Hialeah, FL. The review included records research from Miami Dade County, South Florida Water Management District (SFWMD), Florida Department of Environmental Protection(FDEP), and U.S. Army Corps of Engineers (USACE). Each of these agencies would have jurisdiction over certain activities related to the property. Tetra Tech reviewed permit documents including environmental resource permits (ERP), water use permits (WUP), right-of-way permits, etc. Tetra Tech also performed a site visit to confirm site conditions on the property in comparison to permitted activities and to confirm compliance with all issued permits for the property. A detailed permit memo was submitted the client within the expected schedule of one month.

Title/Location:	Stanton Energy Center Permit Review–Orlando, FL
Client Name:	Orlando Utility Commission
Dates:	2016

Description: Tetra Tech performed a review of existing permits obtained for a proposed 6-MW solar facility and associated transmission lines to be constructed at two locations within the Orlando Utility Commission Stanton Energy Center property in support of Greenwood Energy’s acquisition of the project from another entity. Tetra Tech prepared a memo for the client summarizing the results of the permit review and identified other required regulatory approvals.

Environmental Code Revisions

Tetra Tech understands that the City of Stuart has created municipal codes to inform and protect its citizen’s rights and manage aspects of the City’s development and land management. The environmental codes are a tool to enhance the level of aesthetics, housing, zoning, etc. As new issues arise within the City, code amendments will need to be enacted and enforced to





address these changes. The Tetra Tech team includes Erin Deady, P.A. to support any efforts regarding code revisions. Erin’s experience with many other local governments includes code revisions to address waterfront property issues, resilience, climate change, and sea level rise.

Tetra Tech is fully prepared to support the City in their efforts to revise environmental codes as it relates to environmental protection, resilience planning, and development within the City boundaries; and any other code revision requirements. Tetra Tech staff in the Stuart office—Georgia Vince and Monica Sovacool—have been involved with revisions to Florida Administrative Codes (FAC) during their experience at FDEP, SFWMD and St. Johns River Water Management District (SJRWMD). They have also been responsible for interpreting FAC and Florida Statutes in their regulatory roles.



Title/Location:	City of Lighthouse Point Code Revisions—Lighthouse Point, FL
Client Name:	John Lavisky, City Administrator, City of Lighthouse Point
Dates:	2019 to Present

Description: Erin L. Deady, PA serves on a project team to complete a full rewrite of the Lighthouse Point Code of Ordinances. A large focus includes the land development regulations, but the entire Code will be reorganized and restructured. The firm is lead on two key tasks for the effort: land use and zoning legal support and the integration of sustainability and resiliency principles into the Code.

After initial assessment of the Code of Ordinances, the firm identified several key statutory and legal issues for updates including sign code regulation, telecommunications preemptions, and landscape revisions based on new statutory guidance and evolving technologies. The firm has also identified key issues related to dock and marine structure regulations as well as the need to address new seawall criteria currently undergoing adoption by Broward County related to sea level rise.

Finally, the City has expressed a keen interest in integrating principles of sustainability and resiliency into the Code “beyond the norm” including point-based evaluation systems. The firm is currently researching and compiling key case studies both within Florida and nationally on how to make Code provision more resilient and developing alternatives for City consideration ranging from freeboard height standards, to site development techniques and the establishing of resiliency quotients or resiliency rating systems. The City’s goals include maintaining the existing character of the community but capitalizing on assets such as US-1 corridor redevelopment and preparing for climate change. Since the County retains land use authority through the Broward County Planning Council, there will be multiple efforts at coordinating policy initiatives through the County.

Environmental Site Assessments, Phase 1 and Phase 2

Since 2011, through a contract through SFWMD, Tetra Tech has been awarded 70 work orders, including extensive Phase 1 and Phase 2 investigations, risk assessments, water quality sampling, Title V permitting, and Spill Prevention Control and Countermeasures (SPCC) Plans.





Site assessments have been performed on properties ranging from 5 acres to over 56,000 acres. Property land uses included cattle pasture, dairies, citrus groves, sugarcane, residual application fields, and sites containing cattle dip vats. End use considerations typically drive sampling requirements. For example, if the property is slated for reservoir construction or wetland rehydration, ecological risk factors dictate more extensive laboratory analysis. We have developed strategic sampling plans to maximize site knowledge, while minimizing public fund expenditures. Jay McGovern and Shawn Ouellette out of the Stuart office lead the efforts for this work.

For example, we conducted a Phase I/II Environmental Site Assessment and a Screening Level Ecological Risk Assessment on the Harmony Ranch Properties in Martin County, which consisted of 1,840-acres of improved pasture. The Phase I/II ESA followed the Environmental Risk Assessment Protocol developed in conjunction with the U.S. Fish and Wildlife Service (USFWS), and approved by the Florida Department of Environmental Protection (FDEP), Protocol for Assessment, Remediation, and Post-Remediation Monitoring for Environmental Contamination on Everglades Restoration Projects (March 2008). The necessity of this evaluation was warranted by the historical land use activity (cultivation of row crops with the inherent agrochemical application), coupled with the projected use of the property. The completed report included a determination of the suitability of the subject property for the proposed Indian River Lagoon-South (IRL-S) Restoration project, as well as an estimate of corrective actions (and ancillary costs) necessary to address areas of environmental impairment (resulting from Project implementation). The projection of corrective actions (and cost estimates) are intended for planning purposes at this juncture in order to allow District management to make an informed decision as to the viability of the subject property for the proposed project.

Additional examples include the following:

Title/Location:	Environmental Assessment Services–District-wide, FL
Client Name:	South Florida Water Management District
Dates:	2011 to 2016
Description: This project includes task orders such as site assessments, remediation activities, specialized monitoring such as trace mercury, and air permitting with a total cost exceeding \$2 million. Example assessment, remediation, monitoring and permitting tasks follow.	
The Sunrise Boys, LLC / Indiantown Reality, LLP Properties, Martin & Palm Beach County, FL – Phase I/II Environmental Site Assessment (ESA) project involved completion of a Phase I/II ESA for approximately 3,975 acres of property located in the southern portion of Martin County and the northern portion of Palm Beach County. The property included cultivated areas (Citrus Grove/Pepper Farm/Pasture Lands), undeveloped land (wetlands and uplands), semi-commercial and residential areas associated with the agricultural operations, and a cattle dipping vat. The Phase I activities identified 37 locations with over 150 recognized environmental conditions. The Phase II activities included the collection of over 200 composite and discrete samples (soil, sediment, and groundwater) requiring analytical analyses for each	





of the recognized environmental conditions. The project was executed on a fast-track schedule with completion of the majority of the field activities within 2 weeks, review of the data and initial reports to the client within three weeks, submittal of a two-volume (2,500+ pages) draft report within 6 weeks of notice to proceed, and a final report within 8 weeks.

As part of the **Comprehensive Environmental Restoration Program, Indian River Lagoon South, Allapattah Complex – Natural Storage & Water Quality Treatment Area**, the District was negotiating the acquisition of the Steele Property for natural wetland and habitat restoration. The site consists of 961 acres in rural Martin County used for cattle grazing and occasional hay cultivation. Tetra Tech performed a Phase I / Phase II Environmental Site Assessment (ESA) according to ASTM standards. Several areas requiring corrective action were identified during the ESA. As a follow-on task, Tetra Tech conducted corrective action measures at the site in support of the District’s intended future land-use of wetland restoration or water attenuation reservoir. As part of corrective action, we 1) properly abandoned, in place, the septic system near the old barn; 2) properly abandoned three on-site wells; 3) excavated and properly disposed of approximately 100 tons of soil exceeding sediment quality assessment guidelines for total recoverable petroleum hydrocarbons, arsenic, and barium; 4) performed closure of the sewage lagoon using a 2-foot soil cap over existing sediment; and 5) performed closure of borrow canal by pushing in canal banks to create a minimum of 2-foot soil cap over existing sediment.

Expanded Mercury Monitoring in STA-2 and STA-6, Palm Beach & Hendry County, FL.

The project involved the collection, documentation, storage, processing, and shipment of environmental samples to support expanded mercury monitoring in Stormwater Treatment Areas 2 and 6 (STA-2 & STA-6). Tetra Tech’s experienced, two-person field sampling crew was trained and certified in ultra-clean, ultra-trace mercury sampling techniques. The sample program addresses total mercury and methylmercury in surface water, total mercury, methylmercury, sulfide and iron and manganese species in total mercury, methylmercury and acid volatile sulfide in 4-cm soil cores, total mercury and methylmercury in vegetation, and total mercury in mosquitofish. The results of the program will be used to support various quantitative analyses, including an ecological risk assessment.

Pump Stations S-5A, S-6, S-8 and S-9 Air Permitting Support, Broward & Palm Beach County FL.

The project involved developing Title V Operating Permit renewal applications for these sources. Activities included a site inspection to review and verify the existing emissions inventory, reviewing regulatory applicability, preparing a compliance assessment report, completing the application forms and associated attachments, and providing Engineer-of-Record services associated with signing and sealing the final packages.

Title/Location:	Consolidated Contract–Hazardous Waste Site Cleanup, the Drycleaning Solvent Cleanup Program, the Site Investigation Section, and Brownfields and CERCLA sites (Contracts HW333, HW509, and HW560)–Various Locations Statewide, FL
Client Name:	Florida Department of Environmental Protection
Dates:	2011 to Present

Description: Tetra Tech is responsible for coordinating, managing, and supervising the implementation of site assessments and remedial actions at 61 drycleaning and 19 orphaned hazardous waste sites. The original contract was for 6 years with two 1-year options, both of which the FDEP exercised. The second contract was for 5 years with a single 5-year option,





which the FDEP exercised. The third 10-year contract started in February 2011. Tetra Tech was awarded more than 990 task assignments (work orders) and 690 change orders to date for over \$20 million. Additionally, Tetra Tech received site closure at 45 facilities through active remediation, monitored natural attenuation, and no further action.

The drycleaning and waste site work is on an accelerated schedule with treatment system installation to be completed within 1 year of the site assignment. To expedite contamination assessment work, direct-push technology is used in conjunction with on-site mobile labs for soil assessment, groundwater plume delineation, and monitor well installation. Also, data are collected to determine site propensity for natural attenuation. Remedial action has included bench-scale testing, pilot study design, remedial action plans, waste management, plans and specifications, site demolition, bulk soil removal, soil vapor extraction systems, in situ chemical oxidation system design and implementation, in situ bioaugmentation and biostimulation, and site restoration. Site Rehabilitation Completion Orders have been issued on remediated sites. We prepared Quality Assurance Project Plans, Work Plans, Health & Safety Plans, Site Assessment Reports, Background Studies, Remedial Alternative Evaluations, Interim Source Removal Work Plans, Remedial Action Plans, and Construction Completion Reports.

The following drycleaning sites were completed in the City of Stuart or Martin County:

- Stuart Cleaners, Stuart, FL: Site Rehabilitation Completion Order (SRCO) through active remediation and Monitored Natural Attenuation (MNA), May 2001.
- Corman’s Cleaners, Stuart, FL; Site Assessment completed May 2016, MNA.
- Wedgewood Cleaners, Stuart, FL; Site Assessment completed May 2016, No Further Action (NFA)-SRCO.
- Comet Cleaners (Kanner), Stuart, FL; Site assessment completed March 2018, MNA.



Title/Location:	City of Stuart Maintenance Garage Remediation and Site Assessment Report–Stuart, Martin County
Client Name:	City of Stuart
Dates:	2003 to 2007

Description: Four compliance wells at the site surround three 6,000-gallon underground petroleum storage tanks (two containing gasoline and one containing diesel fuel). Petroleum contamination was discovered in several of the compliance monitoring wells during a routine inspection performed by representatives of the Martin County Environmental Health Unit in May, 1990. The source of the contamination was reportedly a surface discharge of gasoline product located to the east of the easternmost compliance wells that seeped through the broken concrete driveway and parking area. The site applied for and was accepted into the EDI program to receive state-funded assistance related to assessment and cleanup of the contamination. Subsequent to the discovery, a Contamination Assessment Report (CAR) was prepared for the site by CH2MHill in August, 1991 and submitted to the FDEP for approval. Subsequent review comments from the FDEP requested additional information relative to a small area of petroleum impacted soil identified during the consultant’s field activities as well as the disposition of drill cuttings from groundwater monitoring well installations. The FDEP and the consultant agreed that a limited amount of petroleum-impacted soil would be excavated from the work area and land-farmed onsite. In December 1992, the concrete





pavement was removed from the parking area in order to excavate the impacted soil. However, subsurface investigations did not reveal any indications of petroleum-impacted soil. The FDEP then requested additional soil samples be collected from the area for analytical analyses as well as the re-sampling of several of the existing monitoring wells. This scope of work was performed in late December 1992 and the results indicated only minor groundwater impacts. No other scope of service was reportedly performed on the site.

The site was subsequently enrolled in the PCPP program and assigned a score of 59. The FDEP requested the preparation of an LCAR in August 2002 to enable appropriation of funds for remedial measures. Ardaman & Associates, Inc. (Ardaman) then prepared a Limited Site Assessment Report in February 2003 to meet PCPP requirements. The report concluded that only minor groundwater impacts were observed in the compliance groundwater monitoring wells located in the immediate vicinity of the underground storage tanks. Furthermore, Ardaman recommended that the most appropriate course of action was a Natural Attenuation Monitoring Only Plan. Upon review of the report, the FDEP concurred with Ardaman's recommendations, implementing the Natural Attenuation Monitoring Only Plan. After 2 years of quarterly monitoring, the site was granted a No Further Action status from the FDEP.



Title/Location:	Port of Fort Pierce, King Maritime Parcels–St. Lucie County
Client Name:	Port of Fort Pierce
Dates:	2017 to Present

Description: Ardaman was the environmental consultant for the due diligence of the \$25M property acquisition by St. Lucie County in 2018. The property serves as the Official Port of Fort Pierce and will initially be used as a mega yacht servicing and repair facility operated by Derecktor. Ardaman performed Phase I and Phase II Environmental Assessments and a Preliminary Contamination Assessment for the site to identify areas of subsurface contamination that will require cleanup. Several presentations were conducted by Ardaman at the St. Lucie County Board of County Commissioners meetings during the due diligence period



to provide the Commissioners updates on the progress of testing and the results of our assessment. The information gathered and presented by Ardaman was paramount to the Commissioner's approval of the acquisition. Ardaman is continuing to work with St. Lucie County on the project by providing continued environmental consulting services to clean up the site contamination and obtain a No Further Action status from the FDEP.

With the assistance of Ardaman, the County Commissioners recently approved a resolution in September 2019 to proceed with a Brownfields designation for the property that will provide liability protection to St. Lucie County and provide various funding assistance resources for cleanup and redevelopment of the site.





Title/Location:	Auto Salvage Yard at 3685 North US Highway 1 (Uncle Tony's U-Pull-It / AAA Auto Salvage)–Fort Pierce, FL
Client Name:	St. Lucie County
Dates:	2019 to Present

Description: Ardaman’s scope included conducting a preliminary contamination assessment and interim source removal. Review of historical aerial photographs indicated that the property east of and adjacent to the County airport property operated as an auto salvage business since at least 1958. St. Lucie County Environmental Resources Department was anonymously alerted that runoff from the adjoining auto salvage yard may be impacting the eastern edge of the County property. Ardaman was contacted to perform a preliminary contamination assessment to evaluate for evidence of petroleum contamination impacts on the eastern edge of the St. Lucie County airport property.

Results of the preliminary assessment found concentrations of total recoverable petroleum hydrocarbons and arsenic in three of six soil sample locations collected from the upper 6 inches of soils at levels above the respective FDEP FAC Chapter 62-777 Soil Cleanup Target Level (SCTL) for residential exposure. Chemical analyses of groundwater samples obtained from the County property did not detect any contaminant concentrations above the respective FDEP cleanup levels. Based on the results, Ardaman recommended an interim source removal program. With the consent of St. Lucie County, Ardaman contacted FDEP on their behalf and received their concurrence for the interim source removal approach to site cleanup.



Preliminary Wetland and Protected Species Assessments

Tetra Tech staff have conducted and overseen numerous qualitative and quantitative flora and fauna surveys for species listed as endangered, threatened or of special concern, including marine sea turtles, the Florida beach mouse, bald eagles, scrub jays, red cockaded woodpeckers, manatees, crested caracaras, gopher tortoises, wood storks, and shore birds. Additionally, we have coordinated with state and federal agencies to prepare Habitat Conservation Plans as part of an Incidental Take Permit as required by the Endangered Species Act. Within the last several years, Tetra Tech has performed protected species assessments for large-scale properties in support of future solar facility development for several utility-scale projects throughout Florida. Tetra Tech has been quick to respond to their requests and has evaluated over 150,000 acres of property. The surveys include gopher tortoise, indigo snakes, American bald eagle, wood stork, migratory birds, and Florida panther habitat. The assessments were led by **Patrick Zuloaga** and **Lisa Canty**.





Wetlands delineation projects will be led by our wetland and terrestrial ecologist, **Patrick Zuloaga**, supported by **Lisa Canty**, **Vivienne Handy** and other team members. Tetra Tech ecologists and botanists are skilled in the data forms for the USACE and the FDEP to support field efforts during wetland delineations. Our staff is equipped and proficient in handheld global positioning system instruments to provide sub-meter accuracy for mapping to prepare wetland and habitat maps in support of project permit applications. Tetra Tech regularly performs varying levels of wetland assessments for clients. We routinely perform desktop analysis in Florida to evaluate parcels for the presence/absence of state and federal jurisdictional wetlands and waterbodies. We have skilled geographic information systems practitioners to map existing publicly available data. Tetra Tech staff are well versed in wetland vegetation, hydrologic indicators and soils, and have performed wetland delineations in the field with state and federal agency staff to confirm wetland lines, utilizing the state and federal forms for projects over 1,000 acres in size. As manager of the Loxahatchee Wetland Mitigation Bank, our staff are well versed in both Uniform Mitigation Assessment Method and Modified Wetland Rapid Assessment Procedure mitigation assessments.

Title/Location:	Wetland Delineation and Listed Species Surveys–South Florida
Client Name:	Confidential Utility Company
Dates:	2016 to 2019
<p>Description: Tetra Tech has been supporting utility clients for regulatory support related to wetland habitat assessments and wildlife surveys. Responsibilities include conducting due diligence wetland and wildlife assessments of numerous utility corridors throughout south and central Florida. The purpose of the Due Diligence Reports is to evaluate, in an expedited manner, the natural and human environment within the subject property. The site assessments characterize key environmental resources, land uses, potential restrictions and constraints within the vicinity of work locations and access corridors, determine potential major issues, and identify required permitting, permit processing timeframes, and notifications for local, state, and federal agencies. To date, over 130 utility corridors have been assessed.</p>	
	

Title/Location:	Wetland Delineation and Listed Species Surveys–Alachua County, FL
Client Name:	Alachua County Environmental Protection Department
Dates:	2018 to 2019
<p>Description: Tetra Tech conducted a wetland delineation and gopher tortoise survey in an approximately 100-acre parcel proposed for future development by the County. The purpose of the field surveys was to locate sufficient upland habitat for a proposed hurricane debris laydown area. Wetland boundaries and gopher tortoise burrows were flagged in the field and GPS coordinates were collected. A report including maps and recommendations was prepared.</p>	





Title/Location:	Gopher Tortoise Survey and Relocation–Stuart, FL
Client Name:	Christ Lutheran Church
Dates:	2015

Description: For this project Tetra Tech performed the Initial pedestrian survey of the property to cover 100% of the proposed impact site and potential recipient sites. Georeferenced figures were developed to process the required gopher tortoise relocation permits. Tera Tech obtained all appropriate relocation permits from FWC for relocation of gopher tortoises required to accommodate the proposed impacts. All tortoises on site were relocated to an approved recipient site. In order to complete the relocation in a timely manner, relocation was completed using a backhoe. In total, four tortoises were successfully relocated.



Title/Location:	Wetland Delineation and Listed Species Survey–Reidsville, GA
Client Name:	Dentons US LLP
Dates:	2016 to 2017

Description: Tetra Tech was contracted to perform a habitat assessment, wetland delineation, and a listed species survey on 3,500 acres of forestry property in Georgia. The survey consisted of pedestrian surveys for gopher tortoises consistent with standards set by the Florida Fish and Wildlife Conservation Commission (FFWCC).

In addition, we performed a formal survey for indigo snakes consistent with the USFWS protocols. Following completion of the site characterization and the listed species reports, Tetra Tech prepared a Habitat Conservation Plan (HCP) in support of a low-impact permit to convert the land to row crops.



Title/Location:	NEPA and Natural Resources Management at Fort Gordon – Augusta, Georgia
Client Name:	U.S. Army
Dates:	2016 to 2019

Description: Through numerous contracts with the U.S. Army, Tetra Tech conducted detailed assessments of impacts to a full range of natural resources (e.g., land use, soils, geology, water quality, water use/availability, wetlands, terrestrial and aquatic communities, threatened and endangered species, socioeconomic resources), and proposed mitigation measures where appropriate. This project includes the following tasks: a Kudzu Survey, Feral Hog Survey, Bat Surveys, preparation of a conservation template, gopher tortoise surveys, indigo snake surveys, forestry assessments, general NEPA support and preparation of an environmental awards package.

Tetra Tech drafted all consultation letters between Fort Gordon and federal and state agencies to include the Georgia State Historic Preservation Office, U.S. Fish and Wildlife Office and the





Georgia Department of Natural Resources. Tetra Tech also performed a focused survey of red-cockaded woodpecker habitat within a half-mile radius of the project sites, in accordance with the USFWS (2003) revised Recovery Plan for the red-cockaded woodpecker. Potential nesting habitat was surveyed by running line transects through pine stands and inspecting all mature loblolly and longleaf pines for evidence of cavity excavation by red-cockaded woodpeckers.



Tetra Tech personnel have performed gopher tortoise surveys on over 7,500 acres of land for the past 2 years. The surveys followed USACE protocols for estimating overall tortoise populations on the almost 30,000 acres of potential tortoise habitat. Each burrow is classified as active, inactive or abandoned and then scoped for the presence of tortoises or other species such as snake or frogs that may be present.



Title/Location:	Crosstown Parkway Extension, Port St Lucie, FL
Client Name:	City of Port St. Lucie through Target/Archer Western
Dates:	2015 to 2019

Description: The Crosstown Parkway Extension Project provides a new bridge crossing over the North Fork of the St. Lucie River in the City of Port St. Lucie, connecting the existing Crosstown Parkway from Manth Lane to US 1. The project extends along the existing West Virginia Drive, crossing over the North Fork of the St. Lucie River and connecting into US 1 at Village Green Drive, approximately 2 miles with the bridge being approximately 4,000 feet. The six-lane divided highway and bridge will serve as a multi-modal transportation alternative to include accommodations for automobile, bicycle, pedestrian and public transit.



Quest Ecology provided environmental construction engineering inspections services as a member of the Target/Archer Western team. This involved oversight of critical environmental issues, permit compliance, and the implementation of appropriate actions to deal with non-compliance issues including, but not limited to, erosion, sedimentation, contamination, endangered species, and water quality. Project-specific issues include: bald eagle nest, gopher tortoise, manatee, wetland and mangrove impacts, water quality, and Outstanding Florida Waters (St. Lucie River).

Environmental Permitting

Tetra Tech's comprehensive knowledge of the regulatory process allows us to provide complete permit application packages, regulatory time-clock tracking, comprehensive responses to requests for information and expedited permitting timeframes. The Tetra Tech team successfully





permitted environmental projects of all sizes including small scale seagrass, coral and mangrove restoration, to large-scale marina projects, linear pipeline projects, wetland restoration and mitigation banks. Staff at Tetra Tech have extensive experience on a wide array of project types and can easily navigate the regulatory process. **Georgia Vince** of the Stuart office was previously the Program Administrator for the Environmental Resources Program for FDEP’s Southeast District Office. There she worked with Monica Sovacool also currently working for Tetra Tech in a permitting role. Georgia Vince also worked for the SFWMD and obtained local, state, and federal regulatory approvals for all projects that were designed and planned by the SFWMD. She continues to provide permitting support for clients throughout Florida.

Title/Location:	Two Islands Development, Environmental Permitting Support–Dumbfounding Bay, FL
Client Name:	Prive at Island Estates
Dates:	2016 to 2019
<p>Description: Tetra Tech has been providing permitting and environmental consulting services to NI Holdings LLC and Prive at Island Estates development for over 15 years. The two spoil islands within Dumfounding Bay include a private marina, day docking facilities, and mangrove preservation areas. Tetra Tech has conducted supporting services for the permit applications including a seagrass survey, tidal wetland delineation, docking facility civil design, and mangrove/wetland mitigation design. Recently, Tetra Tech has provided permitting services to expand the existing marina to accommodate vessels of over 100 feet in size including the ERP and Sovereign Submerged Lands (SSL) Lease modification, USACE permit modification and Class I Dade County DERM Permit. Tetra Tech has also provided permitting support for a separate project for creating a recreational beach on 0.5 acre of poor quality mangrove and coastal marsh habitat. DEP and USACE permits have been received for the beach project with the Miami Dade DERM permit pending approval from the Board of County Commissioners.</p>	



Title/Location:	Miami Dade Solar Energy Center–Miami-Dade, FL
Client Name:	Florida Power & Light
Dates:	2018
<p>Description: Tetra Tech has been supporting Florida Power & Light (FPL) on numerous planned solar development projects throughout Florida to oversee local, state and federal environmental permitting, including preparing of permit applications, wildlife and habitat surveys, wetland delineation, cultural resources surveys, and all agency coordination related to the processing of permits for the construction of the solar facility. Tetra Tech attends project planning meetings coordinates on-site pre-application meetings with FPL and agency personnel and prepares permit applications and request for additional information responses. For the Miami Dade Solar Energy Center, the ERP permit was received within 32 days of submittal of the permit application.</p>	





Title/Location:	Turkey Point Environmental Permitting–Homestead, FL
Client Name:	Florida Power & Light
Dates:	2016 to 2018

Description: Tetra Tech provided permitting, environmental surveying, and ecological support at Florida Power & Light Turkey Point Power Plant which lies directly on the coast of Biscayne Bay National Park, and east of the Florida Everglades. Turkey Point is also critical habitat for the American crocodile, indigo snake, Florida burrow owl and several other species. Tetra Tech terrestrial ecologists conducted quarterly surveys of birds, amphibians, reptiles, small mammals, and threatened and endangered (T&E) species on the 10,000-acre Turkey Point site and along existing/proposed transmission corridors.

Staff were responsible for oversight of local, state and federal environmental permitting, including preparing of permit applications, wetland and wildlife surveys, permit exhibit preparation, and all agency coordination related to the processing of permits for ongoing projects and modifications at the Turkey Point Nuclear Facility. The responsibilities include assessment of wetland impacts, evaluation of effects to protected species, and water quality certification. Permitting efforts included Miami Dade County Class I, State Environmental Resource Permits, Federal Section 404 and 408 authorizations.



Under a separate prior contract, Tetra Tech botanists conducted surveys of T&E plant species over the entire Turkey Point site and along existing/proposed transmission corridors in support of the facility’s Combined Operating License Application. Tetra Tech aquatic biologists also conducted surveys of fish in on-site ditches, cooling canals, and mangrove wetlands that could be impacted by new plant construction to allay Nuclear Regulatory Commission and resource agency concerns about the possible presence of sensitive fish species. The terrestrial and aquatic surveys provided a baseline against which potential impacts of building and operating the new units were evaluated in the Environmental Report. Tetra Tech was contracted by the state of Florida to conduct sea grass surveys in Biscayne Bay that were utilized as reference material for the Turkey Point Environmental Report.

Title/Location:	Ft. Pierce Marina and Storm Protection Islands Design, Permitting and Construction Management–Ft. Pierce, FL
Client Name:	City of Ft. Pierce, FL
Dates:	2015 to Present

Description: The City of Fort Pierce selected Tetra Tech to design, permit and perform construction management services, including construction engineering inspections, for the City of Fort Pierce Marina and Storm Water Protection Islands.

In the fall of 2004, Hurricanes Frances and Jeanne destroyed the City of Fort Pierce marina. The marina comprises a boat basin of 21 acres and is a vital component of the City’s waterfront redevelopment efforts. The City retained Tetra Tech to handle the design and permitting of the reconstruction and expansion of the City of Fort Pierce Marina, as well as temporary facilities to protect the interior marina while the outer marina and its associated wave protection components were constructed.





Tetra Tech designed an island breakwater system to provide wave and current protection for the marina. The protection system includes an artificial island complex that serves as a first line breakwater system and includes mangrove plantings, tidal lagoon features and an artificial reef area. The island system also involves the beneficial reuse of dredged material. The design of the islands incorporated hydrodynamic modeling, field data collection and sampling, turbidity modeling, and a scaled physical model to ensure the island design would withstand a 100-year storm. The development and approval of this project required close coordination with FEMA, the USACE and FDEP and provided significant regulatory challenges.



Specific design components for the island concept involved extensive resources and bathymetric surveys over a 40+ acre project area utilizing diver assessment and underwater video surveys to map seagrass, benthic, coral, and hardbottom resources. All of this survey and monitoring data were incorporated into GIS maps and considered in the design process of the island features to aid in avoidance and minimization of impacts to existing resources.

The design also includes an artificial reef area that has both functional performance and environmental enhancement roles in the project design. The artificial reef will serve as an area to reduce current around existing seagrass beds so that the diverted currents do not scour out existing marine resources and will provide a significant improvement as essential fish habitat.

Permitting for the project was very difficult due to the need for filling nearly 13 acres of sovereign submerged lands. For that reason, it was especially important to structure the project and its mitigation so as to be clearly in the public interest. Tetra Tech designed the islands to include components of the mitigation that were incorporated to provide functional structural performance characteristics as well as environmental enhancement.

In accordance with the state and federal permits, seagrass mitigation, mangrove mitigation and oyster reef creation was required within one year of start of construction. Tetra Tech contracted with Adventure Environmental Inc. to perform large-scale seagrass restoration component, filling to grade of a 2.65-acre dredge hole. Additional seagrass mitigation includes spoil island scrape down, restoration of approximately 30 prop-scars and channel marker installation to reduce impacts from boaters. The mitigation also includes creation of 1.54 acres of mangrove habitat and 1.28 acres of oyster habitat as components of the island breakwater system.

Tetra Tech also is responsible for mitigation success monitoring for all seagrass restoration components and mangrove and oyster habitat creation. The long-term monitoring required by the state and federal permits includes bi-annual monitoring for the first 2 years and annual monitoring for the subsequent 3 years. Permanent photo stations were identified and mitigation success has been documented using appropriate scientific methods such as Braun-Blanquet cover abundance and aerial extent. Tetra Tech recently completed the 5-year monitoring to finalize the mitigation compliance for the project.



Wetland and Preserve Area Management

Tetra Tech has extensive experience in Wetland and Preserve Area Management. As the Loxahatchee Wetland Mitigation Bank (Bank) manager, Tetra Tech and staff have been leading the efforts to hydrologically restore and remove invasive and exotic vegetation from the 1,256-acre site in Palm Beach County. Throughout Tetra Tech’s Bank management efforts, annual monitoring of the property has led to adaptive management strategies to target changing conditions of the wetland environment. An array of activities is identified in the Management Plan for the Bank including controlled burning, land clearing, manipulation of water levels, wetland planting efforts, and herbicide treatment of exotic vegetation.

In addition to the intensive efforts ongoing at the Bank, Tetra Tech has a wide variety of experience in upland, wetland, and coastal projects in Florida and around the country. Tetra Tech’s local staff have specific qualifications related to wetland and preserve management strategies. Key Team member **Brian Proctor** has a background in land stewardship, natural resources management, wetland ecosystems, and natural areas restoration with a particular emphasis on restoration planning, permitting, implementation and long-term management. **Pat Zuloaga** is the Qualified Mitigation Specialist for the Loxahatchee Mitigation Bank with professional experience on the management, integration, and performance of habitat restoration, assessment and monitoring, and mapping. These skill sets are further enhanced by our local scientists, biologists, and ecologists with more than 20 years’ experience working in and around Stuart and Martin counties.

Title/Location:	Loxahatchee Wetland Mitigation Bank
Client Name:	South Florida Water Management District
Dates:	2004 to Present

Description: In partnership with the SFWMD, Tetra Tech has designed, permitted, and constructed the Loxahatchee Mitigation Bank (Bank) in Palm Beach County. Tetra Tech is now in the 15th year of restoration implementation for this 1,256-acre wetland restoration project. The restoration and enhancement efforts for the Bank address both hydrologic improvements and vegetation management activities. This combination of activities is intended to promote the re-establishment of an historic Everglades mosaic, with the final outcome of the restoration project being a sustainable wetland with ecological functional values representative of an undisturbed wetland.



Tetra Tech designed a comprehensive monitoring program that includes the development and implementation of pre- and post-construction ecological monitoring plans. In 2002, Tetra Tech conducted wildlife monitoring at forested and herbaceous reference wetlands located in the A.R. Marshall Loxahatchee National Wildlife Refuge located north of the Bank site. Bird, fish, mammal, reptile and amphibian population

data collected at the reference wetlands are used for success determination of the Bank.





In January 2003 following completion of construction activities, an extensive ecological monitoring program commenced at the Bank site. On an annual basis, ecological monitoring activities are conducted to document the Bank’s current ecological condition for comparison against specific success criteria and the Bank’s trend toward final success. Success criteria include vegetative coverage, vegetative species diversity, wildlife utilization, exotic and nuisance species coverage, and hydrology. Vegetation surveys to document vegetative coverage, species diversity, and exotic and nuisance species coverage are conducted using line-intercept and quadrat sampling methodology.



Bird, fish, mammal, reptile and amphibian population data are collected to document wildlife utilization. Avian surveys methods include belt survey transects and time-area count locations in forested and herbaceous wetlands. Drift fences, amphibian poles, night surveys, fish traps and as-encountered surveys are used to acquire data on other vertebrate classes present. Hydrologic conditions at the Bank are monitored using continuous water level recorders. Monitoring methods for all parameters used were reviewed and approved by SFWMD, FDEP, and the USACE. Tetra Tech biologists collect, interpret, and present the data in an annual report. The annual report is submitted to the FDEP and USACE for review and approval and is used as the basis for success determination.

In 2018 the Bank successfully met all mitigation criteria outlined in the state and federal permits. Currently, the Bank permit is being modified to add land and credits.

Title/Location:	Blackstone Preserve Environmental Assessment, Mitigation Planning, and Ecological Monitoring, Lehigh Acres–Lee County, FL
Client Name:	Lehigh Acres Municipal Services Improvement District
Dates:	2018 to 2019

Description: Conducted a field investigation of the Blackstone Property located in the city of Lehigh Acres in Lee County, Florida. The Blackstone Property was proposed to provide stormwater attenuation and management in support of the SR 82 road widening project. The purpose of the field investigation was to document current site conditions including an assessment of jurisdictional wetlands and state and/or federally listed species and their associated habitats within the Blackstone Property. The Environmental Assessment (EA) Report summarized activities conducted and findings from the field investigation. A discussion of development implications from any wetlands and listed species on site, and any potential state or federal environmental permitting obligations was also included. Based on the information presented in the EA Report, a Mitigation Plan was drafted to mitigate impacts to wetlands from construction of the Blackstone Preserve. The final phase of the project included subsequent mitigation monitoring to document the trends toward final mitigation success.



Title/Location:	Turpentine Mitigation Bank Feasibility Study–Hernando and Pasco County, FL
Client Name:	Turpentine Land, LLC
Dates:	2019

Description: Quest Ecology was hired to conduct the initial field and desk-top evaluations, regulatory agency input, potential credit yield, costs and estimated time frames associated with establishing the bank. The following general items were included:

- Background data collection, existing permits review, database searches, field map compilation, financial assurance requirements; engineering coordination as needed; and investigation into incorporating borrow pit construction into the planning;
- Preliminary field reviews;
- Preliminary mapping of existing habitats; draft assessment area mapping; draft mitigation plan & methods;
- Preliminary research on implementation costs (engineering, construction, planting, monitoring, maintenance), and evaluation of bank phasing options;
- Preliminary Uniform Mitigation Assessment Methodology calculations/credit yield; and
- Pre-app meeting with SWFWMD and USACE; follow up notes and updating above based on results; report to the client.

General Consultation and Coordination

The following projects highlight other recent successful projects implemented for government agencies to further emphasize our experience in environmental consulting services. We have also included additional services and support that we can provide to the City under this contract, if needed.

Through these projects we have worked closely with our clients to ensure project success even on the shortest schedules. We have become accustomed to representing our clients with other agencies or private entities with positive outcomes and we clearly communicate messaging and meeting outcomes. We also are well versed in presenting at public meetings as well as managing all aspects of public meetings on both controversial projects and well-received informational meetings. Tetra Tech will be available to assist the City with technical issues as needed.





Title/Location:	Everglades Agricultural Area (EAA A2) Storage Area and Treatment Wetlands Feasibility & Engineering Services– Everglades Agricultural Area, FL
Client Name:	South Florida Water Management District
Dates:	2017 to Present

Description: Ongoing damaging freshwater discharges from Lake Okeechobee impacting both the St. Lucie and the Caloosahatchee estuaries pushed Florida to pass Senate Bill 10 (May of 2017) to evaluate construction of a reservoir to capture and treat excess water from Lake Okeechobee and redirect it south to the Greater Everglades. The Law required the SFWMD to deliver the feasibility study by March 30, 2018.



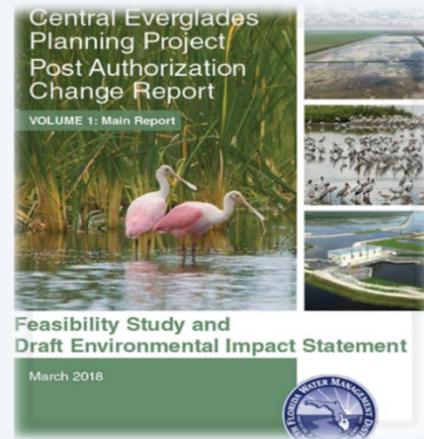
In October of 2017, the SFWMD turned to J-Tech (a joint venture between Tetra Tech and Jacobs) to support the preparation of a “Post Authorization Change Report” (PACR) for the Everglades Agricultural Area Storage Reservoir and Stormwater Treatment Area (EAA Reservoir) Project. J-tech immediately mobilized an on-site technical team and began a collaborative effort led by the SFWMD to produce a 3,500-page document, typically programmed by the USACE for a 3-year duration. Previous planning level

documents for the EAA Reservoir included a shallow flow equalization basin design. However, this expanded project effort converted that concept to a deep reservoir with a stormwater treatment area to meet the full requirements of SB 10. Despite schedule constraints and other factors, including input from federal partners and intense public involvement, the report was successfully completed and submitted to the Assistant Secretary of the Army Civil Works on March 29, 2018, ahead of the deadline.

SFWMD is to be congratulated for leading this effort, as it was only the second time that a non-federal sponsor developed the requested documentation. With full Congressional approval and the signature of the President in October 2018, this was the first time such a document has been approved through the federal process sponsored by a non-federal sponsoring agency.

Our proud partnership included J-Tech staff working side-by-side with SFWMD staff in a “War Room” setting for five months, including extremely effective “lock down” sessions with J-Tech and SFWMD staff sequestered in a larger War Room developing critical elements of the document together, sharing files electronically and editing portions of it in real time.

J-Tech’s work within this effort included a feasibility level design of all facilities, seepage modeling, geotechnical investigations, wind and wave run up modeling, detailed cost estimating, NEPA analysis, biological assessment for consultation on protected species, habitat unit calculations and evaluation of the report for policy compliance. The J-Tech team worked closely with SFWMD scientific, modeling, operations, engineering, and cost estimating staff to ensure that the selected plan was the best value.





Since the completion and submittal of the PACR, J-Tech has continued to support the SFWMD with assessments, planning, and preliminary engineering tasks to continue to advance this project in support of SFWMD objectives to work around all obstacles to keep this project progressing towards final design and construction.

Methodology & Approach

- The project schedule for the completion of this effort was the greatest challenge for the feasibility study.
- Continuity of staff from Acceler8 team to this streamlined our efforts and helped to expedite the delivery of our services.
- Fully integrated partnership with the SFWMD with a combination of on-site staff, supported by our ability to deploy additional resources from our J-Tech firms added to our capabilities in a scalable manner.
- Expedited efforts on our portions of the Draft Biological Assessment, Feasibility Report Preparation, and Document Production.

Quality Control/Quality Assurance

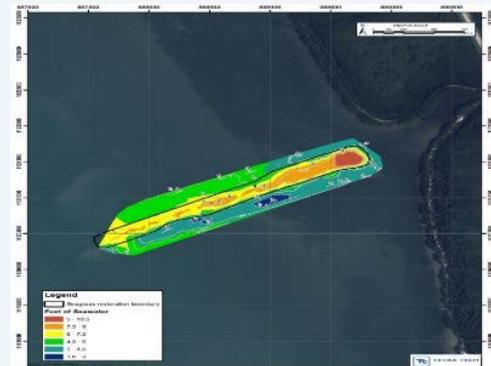
- Project Assurance and Savings Clause Analysis.
- Geotechnical Investigations and reporting.

Management Processes Utilized

- Full partnership and corporate commitment in SFWMD-led expedited delivery model.
- Fully integrated technical team.
- Agency coordination.

Title/Location:	Port of Ft. Pierce Master Environmental and Mitigation Planning–St. Lucie County
Client Name:	St. Lucie County

Description: In 2017, Tetra Tech, Inc. investigated mitigation options for planned future impacts at the Port of Ft. Pierce. We conducted field investigations into candidate mitigation sites to document current site conditions and developed site specific restoration prescriptions that could be implemented to offset Clean Water Act (CWA) Section 404 impacts to seagrasses, oysters, hard bottoms and mangroves. We utilized a towed diver array to survey and collect site specific data about benthic characteristics. We utilized this data to prepare Uniform Mitigation Assessment Methodology worksheet to calculate potential mitigative lift from each site observed. Following data collection, we prepared a report of our findings highlighting with text and maps areas of potential mitigation with the nearby vicinity of the Indian River Lagoon. In addition, we coordinated our efforts with St. Lucie County’s Environmental Resources Department in an effort to compliment future planned aquatic resources restoration projects.





Title/Location:	St Lucie County Culvert Structure Inspection Program–St. Lucie County
Client Name:	St. Lucie County

Description: St. Lucie County owns, operates, and maintains hundreds of culverts and other water control structures throughout their 688-square-mile service area. Operation of these structures over such a large area requires a considerable amount of planning and record keeping. The Engineering Division manages these water systems for water quality, flood control, ecosystem restoration, and irrigation water supply. Tetra Tech aids these efforts by providing a full commercial dive team to help them identify structure deficiencies to generate recommendations for corrective actions to improve structure operation.



Since 2016, Tetra Tech completed 16 separate dive inspections cataloging the conditions of the surface and endwalls, wingwalls, and water control appurtenances. All inspections for all years were completed with zero safety incidents. Tetra Tech provides all necessary equipment to safely perform the inspections while creating a full-dive color video. Culvert inspections include civil/structural inspection as well as a penetration dives inside applicable structures.

Reports include the structure description, inspection results, inspection conclusions and recommendations, completed inspection checklists, photographs, and video footage of findings.



Title/Location:	Martin County Resiliency Planning–Martin County, FL
Client Name:	Martin County
Dates:	2018 to Present

Description: Erin L. Deady, PA assisted Martin County in securing two Department of Environmental Protection Resiliency Planning Grants through the State of Florida. The firm has implemented one grant and is in process implementing the second one. In “Phase I” of the project, the firm developed a Gap Memorandum identifying sources of available or needed data to further a vulnerability assessment planning process and created a background alternatives Memorandum on the various sea level rise projections being utilized by local governments in Florida. The Memorandum served as a basis for Martin County using the sea level rise projections for the Southeast Florida Regional Climate Compact and initial modeling to determine sea level rise impacts in the County.

As part of the effort, the team did an analysis of the County’s current efforts within the Federal Emergency Management Agency (FEMA) Community Rating System (CRS) Program and developed recommendations for improvement of its Class Rating, including some linked to future sea level rise planning efforts.

Finally, the project developed a second map series identifying critical facilities and infrastructure with potential sea level rise impact risk assessment and then categorized those risks as low, medium or high. Final reports were developed and the grant was closed out on time and on





budget. The project served as the County’s initial effort to develop datasets to support future sea level rise planning.

The firm also assisted the County in securing a second Resiliency Planning Grant for 2019-2020 with dedicated County match funds, “Phase II”. The firm is the primary contractor and is leading a team to develop a Resiliency Plan with a Vulnerability Assessment that develops and collects further datasets to better inform its planning efforts. The firm conceived of the approach to tie the planning efforts with the development of a FEMA CRS Watershed Management Plan so that it will have the dual purpose of guiding vulnerability planning efforts simultaneously improving the County’s Class Rating in CRS. There are multiple internal and external engagement activities as well as the development of a planning document.





Tab 3 ■ Price Proposal and Forms



Tab 3 ■ Price Proposal and Forms

Price Proposal

As instructed in the solicitation, Tetra Tech is providing our Price Proposal showing staff positions and rates.

Table 3-1. Tetra Tech Schedule of Hourly Rates

CLASSIFICATION	RATE
Engineers / Scientists / Planners	
Eng/Sci/Planner Technician I	\$45.00
Eng/Sci/Planner Technician II	\$55.00
Eng/Sci/Planner Technician III	\$67.00
Eng/Sci/Planner Staff I	\$76.00
Eng/Sci/Planner Staff II	\$87.00
Eng/Sci/Planner Staff III	\$99.00
Eng/Sci/Planner Staff IV	\$114.00
Eng/Sci/Planner Staff V	\$129.00
Eng/Sci/Planner Senior Staff I	\$143.00
Eng/Sci/Planner Senior Staff II	\$160.00
Eng/Sci/Planner Senior Staff III	\$178.00
Eng/Sci/Planner Senior Staff IV	\$195.00
Senior Consultant I	\$220.00
Senior Consultant II	\$245.00
Senior Consultant II	\$265.00
Principal	\$295.00
Financial Support / Procurement / Administrative	
Project Support Services I	\$57.00
Project Support Services II	\$78.00
Project Support Services III	\$99.00
Project Support Services IV	\$114.00
Project Support Services V	\$145.00

Rates are good through 2020 only and are subject to annual escalation thereafter.

Rates include direct labor, overhead, G&A, and fee.

All other direct costs and subcontract costs will be charged at cost plus 10%.





Equipment Schedule

Equipment Category	Qty	Model	Daily Rate
Digital Cameras and Small Field Equipment/Tools	2	GoPro Hero2/3/4	\$7.00
Digital Cameras and Small Field Equipment/Tools	2	Canon digital camera and underwater housing	\$7.00
Digital Cameras and Small Field Equipment/Tools	1	JOBO PhotoGPS (Includes interface cable)	\$7.00
Digital Cameras and Small Field Equipment/Tools	1	Pentax Optio 5 Mpixl	\$7.00
Digital Cameras and Small Field Equipment/Tools	1	Kodak 10xZoom Easy Share	\$7.00
Digital Cameras and Small Field Equipment/Tools	1	Cannon Powershot with underwater housing	\$7.00
Digital Cameras and Small Field Equipment/Tools	3	Garmin NUVI250	\$7.00
Digital Cameras and Small Field Equipment/Tools	6	Garmin GPS Map 60CSx	\$7.00
Digital Cameras and Small Field Equipment/Tools	3	Turbidimeter HACH 2100P/2100Q	
Digital Cameras and Small Field Equipment/Tools	1	Spectrophotometer HACH DR/2000	\$7.00
Digital Cameras and Small Field Equipment/Tools	10	Kenwood - Portable VHF 05W 16 Ch 136-174 MHz radio	\$7.00
Digital Cameras and Small Field Equipment/Tools	3	Cement mixing drills	
Digital Cameras and Small Field Equipment/Tools	4	HOBO water temperature/pressure/light sensors	
Digital Cameras and Small Field Equipment/Tools	2	Apple Ipad field tablets	
Digital Cameras and Small Field Equipment/Tools	2	Samsung Galaxy ruggedised field tablets	
Differential Global Positioning Systems (DGPS)	2	Trimble Ag132 GPS (Includes Rovers and Base Stations)	\$45.00
Differential Global Positioning Systems (DGPS)	1	Trimble DSM232 GPS	\$45.00
Differential Global Positioning Systems (DGPS)	1	Juniper Systems Geode Multi-GNSS Sub-meter Receiver	\$45.00
Differential Global Positioning Systems (DGPS)	2	Pacific Crest radio modems (pair)	\$45.00
Groundwater, Surface Water, and Sediment Sampling Equipment	4	Honda EU 2000i Generator	\$40.00





Equipment Category	Qty	Model	Daily Rate
Groundwater, Surface Water, and Sediment Sampling Equipment	1	Dewalt 8000 KW Generator	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	1	MultiQuip Industrial 2" Trash Pump/ Grout Pump/ 2" and 1" hoses	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	2	Cole Parmer Peristaltic Pump	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	1	YSI PRO DSS Water Quality Meter	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	1	YSI Quattro Water Quality Meter	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	2	Variable Speed Submersible Pump	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	2	Survey Tripod and Level	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	4	Water Level Meters	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	1	Mini Rae LTE PID/ 4 gas meter	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	2	Hach 2100Q Turbidimeter	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	1	Hach Chlorine Meter	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	2	Draeger Pump	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	1	Well Vu 300' Well Camera	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	3	Van Dorn Sampler	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	3	Secchi Disk	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	2	NIST Thermometers	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	3	3" Stainless Steel Hand Auger	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	1	1.5" Stainless Steel Soil Corer	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	1	Dewalt 7000 watt generator	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	2	Glove box	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	2	Fisher Scientific Centrifuge	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	1	Wildco Petite Ponar- 6 inch	\$40.00





Equipment Category	Qty	Model	Daily Rate
Groundwater, Surface Water, and Sediment Sampling Equipment	2	Geopump Peristaltic Pump	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	1	2-inch Wildco Push Corer	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	1	3-inch Custom Piston Corer	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	2	Kahlsico VanVeen	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	1	White's Electronic Pipe Locator	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	2	Splash Underwater Cam and Video Monitor	\$40.00
Groundwater, Surface Water, and Sediment Sampling Equipment	4	Tow-sleds	\$10.00
Motor and Inflatable Boats	1	26' flat deck catamaran, twin 150 yamaha 4-stroke	\$400.00
Motor and Inflatable Boats	1	19' Twin Vee and Trailer	\$90.00
Motor and Inflatable Boats	1	16' Carolina Skiff and Trailer	\$90.00
Motor and Inflatable Boats	1	25' Carolina Skiff and Trailer	\$250.00
Motor and Inflatable Boats	1	13' Diamondback Air Boat (Chevy 350)	\$200.00
Motor and Inflatable Boats	1	12' John Boat with outboard (9.9 HP, 15 HP, or Motor Guide 24V)	\$90.00
Electronic Data Collection Program		Drone - DJI Phantom	
Electronic Data Collection Program		Drone - Custom hex	
Electronic Data Collection Program	1	Electronic Data Collection Program	\$165.00
Hydrophones, Hydrophone Calibrator and Secondary Wind Screens	1	Remote Diver Directed Bathymetric Float	\$200.00
Submersible Remotely Operated Vehicle (ROV)	1	VideoRay	
			\$315.00
Surface-supplied Dive Gear	1	Surface-supplied Air Dive Trailer	
Surface-supplied Dive Gear	2	Kirby Morgan SuperLite 17	
Surface-supplied Dive Gear	2	Kirby Morgan SuperLite 27	
Surface-supplied Dive Gear	2	Surface-supplied diver hot water machine	
Surface-supplied Dive Gear	2	Surface-supplied video system	
Surface-supplied Dive Gear	2	Cascade air supply system	





Equipment Category	Qty	Model	Daily Rate
SCUBA Gear	4	OTS under water communications system (wired/wireless)	
SCUBA Gear	2	DAN Oxygen Kit	
SCUBA Gear	6	BCD, regulator, weights, etc.	
SCUBA Gear	10	Pony Bottle Kit	
Work Vehicle	3	2018 Chevy 1500 Silverado 4x4	
Work Vehicle	2	2018 Chevy Colorado 4x4	
Work Vehicle	2	2007 Ford F150 4x4	
Work Vehicle	1	2006 Ford F250 diesel 4x4	
Work Vehicle	1	ATV - Kawasaki Mule	





Drug-Free Work Place Certification

DRUG-FREE WORK PLACE CERTIFICATION

Whenever two (2) or more bids/proposals, which are equal with respect to price, quality, and service, are received by the City of Stuart for the procurement of commodities or contractual services, a bid/proposal received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of controlled substances is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in number (1).
4. In the statement specified in number (1), notify the employees that as a condition for working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction on or plea of guilty or nolo contendere to any violation of Chapter 893, Florida Statutes or of any controlled substance law of the United States or any singular state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of Section 287.087, Florida Statutes.

This Certification is submitted by
 Brian Proctor

 (Individual's Name)

Of Tetra Tech, Inc.

 -
 (Name of Company)

Who does hereby certify that said Company/Vendor has implemented a drug-free workplace program, which meets the requirements of Section 287.087, Florida Statutes, which are identified in numbers (1) through (6) above.

November 19, 2019

 Date

Brian Proctor

 Signature





Public Entity Crimes Form–Notification of Public Entity Crimes Law

Public Entity Crimes Form NOTIFICATION OF PUBLIC ENTITY CRIMES LAW

Pursuant to Section 287.133, Florida Statutes, you are hereby notified that a person or affiliate who has been placed on the convicted contractors list following a conviction for a public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity; may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work; may not submit proposals on leases or real property to a public entity; may not be awarded or perform work as a contractor, supplier, sub-Proposer, 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 [F.S.] for Category Two [\$35,000.00] for a period of thirty-six (36) months from the date of being placed on the convicted contractors list.

Acknowledged by:

Tetra Tech, Inc.

Company Name

Signature

Brian Proctor, Vice President, Operations Manager

Name and title (Print or Type)

November 19, 2019

Date





Conflict of Interest Disclosure Form

Conflict of Interest Disclosure Form

The award of this contract is subject to the provisions of Chapter 112, Florida Statutes. All Proposers must disclose within their proposal: the name of any officer, director, or agent who is also an employee of the City of Stuart.

Furthermore, all Proposers must disclose the name of any City employee who owns, directly or indirectly, an interest in the Proposer's firm or any of its branches.

The purpose of this disclosure form is to give the City the information needed to identify potential conflicts of interest for key personnel involved in the award of this contract.

The term "conflict of interest" refers to situations in which financial or other personal considerations may adversely affect, or have the appearance of adversely affecting, an employee's professional judgment in exercising any City duty or responsibility in administration, management, instruction, research, or other professional activities.

Please check one of the following statements and attach additional documentation if necessary:

To the best of our knowledge, the undersigned firm has no potential conflict of interest due to any other Cities, Counties, contracts, or property interest for this proposal.

The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other Cities, Counties, contracts, or property interest for this proposal.

Tetra Tech, Inc.

Company Name

Brian Proctor

Signature

Brian Proctor, Vice President, Operations Manager

Name and title (Print or Type)

November 19, 2019

Date





Florida Business License

State of Florida Department of State

I certify from the records of this office that TETRA TECH, INC. is a Delaware corporation authorized to transact business in the State of Florida, qualified on April 28, 1988.

The document number of this corporation is P19034.

I further certify that said corporation has paid all fees due this office through December 31, 2019, that its most recent annual report/uniform business report was filed on January 2, 2019, 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 Second day of January, 2019*



Ken Detzner
Secretary of State

Tracking Number: CC7814178871

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

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





Tab 4 ■ Insurance



Tab 4 ■ Insurance

Tetra Tech has and will maintain insurance coverages at the levels as specified in the RFP. A certificate is provided following.

		CERTIFICATE OF LIABILITY INSURANCE		DATE(MM/DD/YYYY) 10/15/2019			
THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.							
IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).							
PRODUCER Aon Risk Insurance Services West, Inc. Los Angeles CA Office 707 Wilshire Boulevard Suite 2600 Los Angeles CA 90017-0460 USA			CONTACT NAME: PHONE (A.C. No. Ext): (866) 283-7122 FAX (A.C. No.): (800) 363-0105 E-MAIL ADDRESS:				
INSURED Tetra Tech, Inc. 3475 E. Foothill Boulevard Pasadena, CA 91107 USA			INSURER(S) AFFORDING COVERAGE		NAIC #		
			INSURER A: Lexington Insurance Company		19437		
			INSURER B: Zurich American Insurance Company		16535		
			INSURER C: American International Group UK Limited		AA1120841		
			INSURER D:				
			INSURER E:				
			INSURER F:				
COVERAGES		CERTIFICATE NUMBER:		REVISION NUMBER:			
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. Limits shown are as requested							
INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> X,C,U Coverage GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC <input type="checkbox"/> OTHER			GLO1817406-01	10/01/2019	10/01/2020	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			BAP1857085-01	10/01/2019	10/01/2020	COMBINED SINGLE LIMIT (Ea accident) \$5,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$100,000			62785232	10/01/2019	10/01/2020	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WC2540616-01 WC1857087-01	10/01/2019 10/01/2019	10/01/2020 10/01/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE-EA EMPLOYEE \$1,000,000 E.L. DISEASE-POLICY LIMIT \$1,000,000
A	Professional Liability and Contractor's Pollution Liability			028182375 Prof/poll Liab SIR applies per policy terms & conditions	10/01/2019	10/01/2021	Each Claim \$5,000,000 Aggregate \$5,000,000

CERTIFICATE HOLDER	CANCELLATION
Evidence of Insurance	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <div style="text-align: center; margin-top: 10px;"> </div>





Tab 5 ■ Other Information



Tab 5 ■ Other Information

Tetra Tech Team Subcontractors

The Tetra Tech Team has been assembled to provide the City of Stuart with the best quality of Environmental Consulting Services and to ensure successful projects that meet your goals and objectives.

Firm	Location	Primary Role
 Tetra Tech, Inc.	759 S. Federal Highway, Suite 314 Stuart, FL 34994	Environmental audits, code revisions, Phase I and II ESA, wetlands, wildlife, permitting, preserve management
 Ardaman & Associates, Inc.	460 NW Concourse Place, Unit 1 Port St. Lucie, FL 34986	Phase I and II ESA
 Erin L. Deady, PA	54 ½ SE 6th Ave. Delray Beach, FL 33483	Resilience Planning, code revisions
 Quest Ecology, Inc.	735 Lakeview Drive Wimauma, FL 33598	Wetlands, wildlife, permitting, preserve management

 **Ardaman & Associates, Inc.** (a Tetra Tech company) has held a continuing service contract with neighboring St. Lucie County for providing Phase I & II ESAs since 2001. Ardaman also maintains a continuing service contract with Martin County for geotechnical engineering services, which includes performing various environmental engineering services. Ardaman previously worked with the City of Stuart and FDEP for the complete remediation of petroleum contamination at the City of Stuart Maintenance Garage located at 407 Martin Luther King Jr. Boulevard (FDEP Facility ID 438629854). Ardaman has addressed thousands of environmental issues and challenges throughout the state of Florida. They currently prepare over 1,000 Phase I and Phase II environmental assessments per year, and have averaged such numbers for many years. Further, Ardaman routinely performs contamination assessments, risk assessments, asbestos surveys, remedial action planning and implementation and initial remedial action (IRA) programs for both private- and public-sector entities. Over Ardaman’s 32 years with a branch office in St. Lucie County, they have gained a considerable amount of experience regarding the geologic conditions in the region, and we will use this experience to “hit the ground running” with this contract.

Further, they have placed all of their projects in a database, and they regularly reference this information when preparing to assess a site so that they have information regarding the subsurface conditions on nearby potential contamination sources before beginning. This improves efficiency and saves effort and cost for the City.





Erin L. Deady, P.A. was formed in 2011 as a multi-service legal and planning firm to solve the environmental and land use challenges of today. Clients include both public and private sector, face complex problems related to their projects, policies and funding. Erin Deady, P.A. brings a wealth of knowledge regarding land use services including review of development packages, comprehensive plan development, rewrites, updates and amendments, evaluation and appraisal reports, development of land development regulations and code development and revisions. Always mindful of new changes to growth management laws, the firm provides strong credentials in terms of project management for land use issues.

A large area of Erin Deady's efforts is helping clients navigate the increasing challenges of resilience and climate adaptation and potential liabilities associated with responding to climate change. The firm has a strong track record in developing and implementing sustainability and climate plans and linking those initiatives to Comprehensive Plans and Codes.

Erin Deady will support Tetra Tech in the following areas for the Professional Environmental Consulting Services contract:

- ◆ Environmental audits and review of development packages;
- ◆ Environmental code revisions; and
- ◆ Resilience Planning.



Quest Ecology Inc. (Quest) is a state certified DBE and MBE (woman-owned) business specializing in ecological studies and natural resource management. Quest was founded in October 1996, and has grown to a dedicated team of eleven (11) professionals, specializing in wildlife biology, wetland science, botany, GIS, and public involvement. Vivienne Handy, President and Principal Ecologist, a certified

Professional Wetland Scientist (PWS), has over 26 years of experience in environmental regulation and habitat restoration. Quest's main office is located in Wimauma, approximately 30 miles southeast of Tampa, in Hillsborough County, Florida; their South Florida field office is located in Fort Lauderdale. Quest is a Sub-Chapter S Corporation, with currently active status under the laws of the State of Florida.

Quest Ecology will support Tetra Tech in the following areas for the Professional Environmental Consulting Services contract:

- ◆ Protected Species Assessments;
- ◆ Environmental Permitting; and
- ◆ Wetland and Preserve Area Management.





Tab 6 ■ Addenda





Tab 6 ■ Addenda

Tetra Tech acknowledges receipt of Addenda 1 and 2; copies of the signed signature pages are attached.



All other terms and conditions of this RFP remain unchanged.

This Addendum shall be considered an integral part of the ITB and this Addendum must be acknowledged, signed and returned with your submittal **by 2:30 p.m. on November 21, 2019.** Failure to comply will result in disqualification of your bid.

Alaina Knofla
Procurement Analyst

Acknowledge is hereby made of Addendum #1 to ITB #2020-101, Floridan Aquifer Test Production Well FA-1.



Signature

Tetra Tech, Inc.

Firm

November 19, 2019

Date

brian.proctor@tetrattech.com

Email Address

All other terms and conditions of this RFP remain unchanged.

This Addendum shall be considered an integral part of the RFP and this Addendum must be acknowledged, signed and returned with your submittal **by 2:30 p.m. on November 20, 2019.** Failure to comply will result in disqualification of your bid.

Alaina Knofla
Procurement Analyst

Acknowledge is hereby made of Addendum #2 to RFP #2020-101, Professional Environmental Consulting Services.



Signature

Nov. 19, 2019

Date

Tetra Tech, Inc.

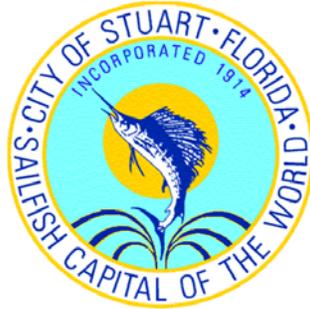
Firm

brian.proctor@tetrattech.com

Email Address

City of Stuart

121 SW Flagler Avenue • Stuart • Florida 34994
Department of Financial Services
Procurement Division
purchasing@ci.stuart.fl.us
PH: 772-288-5320 • FAX: 772-600-1202



Request for Proposal (RFP) No. 2020-101

Professional Environmental Consulting Services

Event	Date
Date RFP Issued	10/24/19
Due date for proposer questions	11/13/19
RFP Due Date	11/20/19

City of Stuart

RFP 2020-101

Professional Environmental Consulting Services

Advertisement

Proposals for professional environmental consulting services will be received by the City of Stuart at the Procurement Office, 121 S.W. Flagler Avenue, Stuart, Florida, 34994, until November 20, 2019 at 2:30 P.M.

The City of Stuart is seeking professional Environmental Consulting Services from a firm or firms to provide Environmental Consulting to the City of Stuart for a period not to exceed three years.

An original, six (6) copies and **one (1) electronic copy (PDF format preferred) on a CD or flash drive** must be submitted in sealed envelopes/packages addressed to Procurement Division, City of Stuart, and marked **RFP 2020-101 Professional Environmental Consulting Services**. Submittals received after that date and time will not be accepted or considered and will be retained in the Procurement Office unopened.

A complete bid package can be obtained by contacting the Procurement Office at 772-288-5320, purchasing@ci.stuart.fl.us or from DemandStar at <http://www.demandstar.com> or by calling (800) 711-1712. The City of Stuart is not responsible for the content of any bid package received through any 3rd party bid service or any source.

Mail/Overnight/Hand Deliver Submittal Responses to:

**Stuart City Hall
Procurement Office
121 S.W. Flagler Avenue
Stuart, Florida 34994**

Mark outside of envelope: RFP 2020-101 Professional Environmental Consulting Services

**Dated: 10/15/19
Published: 10/24/19**

PART 1 - GENERAL INFORMATION

1.1. OVERVIEW

This Request for Proposal (RFP) provides guidelines for the submission of proposals in response to the City of Stuart's solicitation for firms and individuals to provide Professional Environmental Consulting Services as described herein.

1.2. PROPOSERS' COSTS

The City shall not be liable for any costs incurred by Proposers in connection with preparation of a response to this RFP.

1.3. INQUIRIES

The City will not respond to oral inquiries. Interested proposers may contact the Procurement Office regarding questions about the proposal at the Procurement Division, City Hall, 121 SW Flagler Avenue, Stuart, FL 34994, email: purchasing@ci.stuart.fl.us. The Procurement Office will also receive written requests for clarification concerning the meaning or interpretation of this RFP, until November 13, 2019. Questions shall be faxed or emailed with reference to the RFP number. All proposers are expected to carefully examine the proposal documents. Any ambiguities or inconsistencies should be brought to the attention of the City through written communication with the City prior to opening of the proposals.

Respondents may not contact any member of the selection committee, City employee or City elected official during this solicitation process. All questions or requests for clarification must be routed through the Procurement Office.

1.4. DELAYS

The City may delay scheduled due dates, if it is to the advantage of the City to do so. The City will notify proposers of all changes in scheduled due dates by written addenda submitted to the City.

1.5. QUALIFICATION SUBMISSION AND WITHDRAWAL

The City will receive all proposals at the following address:

**Stuart City Hall
Procurement Division
121 S.W. Flagler Avenue
Stuart, Florida 34994**

To facilitate processing, please mark the outside of the envelope as follows: **RFP 2020-101 Professional Environmental Consulting Services**. The envelope shall also include the proposer's return address. Respondents shall submit one (1) original, six (6) copies and one (1) electronic copy (PDF format preferred) on a CD or flash drive of their proposal submittal in a sealed envelope marked as noted above. A proposer may submit the proposal by personal delivery, mail, or express shipping service.

**THE CITY MUST RECEIVE ALL PROPOSALS BY
2:30 P.M. ON Wednesday November 20, 2019**

Due to the irregularity of mail service, the City cautions proposers to assure actual delivery of mailed or hand-delivered proposals directly to the City's Procurement Office, as specified above, prior to the deadline set for receiving proposals. A proposal received by the City Procurement Office after the established deadline will be returned unopened to the proposer.

Proposers may withdraw their proposal submissions by notifying the City in writing at any time prior to the deadline for proposal submittal. Proposers may withdraw their submissions in person or by an authorized representative. Proposers and authorized representatives must provide the letter of withdrawal, picture identification, proof of authorization (in the case of authorized representatives) and provide the City with a signed receipt for the withdrawn proposal. After the deadline, proposals once opened, become a public record of the City and are subject to the provisions of the Florida Public Records Law. As such they are subject to public disclosure in accordance with Chapter 119, Florida Statutes.

1.6. ADDENDA

If revisions become necessary, the City will provide written addenda. It is the responsibility of the proposer to obtain any addenda issued. The City will make every effort to notify registered Proposers by email that an addendum has been made to the RFP. The City shall not be responsible for providing notice of addenda to potential proposers who receive an RFP package from sources other than the City or DemandStar. All addenda issued by the City must be acknowledged within the proposal at the time it is submitted to the City. Failure to acknowledge all addenda may result in disqualification.

1.7. EQUAL OPPORTUNITY

The City recognizes fair and open competition as a basic tenet of public procurement and encourages participation by minority and women owned business enterprises.

1.8. CONTRACT

A final contract will be negotiated with a term agreement for an initial one (1) year period with the option of two (2) additional one (1) year renewals, upon the mutual written agreement of the parties.

1.9. DEVELOPMENT COSTS

Neither the City nor their representatives shall be liable for any expenses incurred in connection with the preparation of a response to this RFP. Respondents should prepare their submittals simply and economically, providing a straightforward and concise description of the respondent's ability to meet the requirements of the RFP.

1.10. INSURANCE

The successful professional shall not commence any work in connection with this agreement until it has obtained all of the following types of insurance and the City has approved such insurance. Nor shall the successful professional allow any subcontractor to commence work on its subcontract until all similar insurance required of the subcontractor has been so obtained and approved. All insurance policies shall be with insurers licensed and authorized to do business in the State of Florida. The successful professional shall maintain required insurance coverage for the full term of this agreement or for such longer periods as may be specifically required herein. All insurance policies shall be issued by companies authorized to do business under the laws of the State of Florida and rated no less than "B" as to management and no less than Class "VIII" as to strength in accordance with the A.M. Best Company Insurance Guide, or its equivalent as determined by the City in its sole discretion.

Loss Deductible Clause: The City shall be exempt from, and in no way liable for, any sums of money which may represent a deductible in any insurance policy. The payment of such deductible shall be the sole responsibility of the professional and/or subcontractor providing such insurance.

Worker's Compensation Insurance: The professional/service provider shall maintain during the life of this Agreement, Worker's Compensation Insurance for all of its employees connected with the work of this project that complies fully with the State of Florida Worker's Compensation Law, F.S. 440.

General Liability: The Proposer shall, during the life of this agreement take out and maintain broad form Commercial General Liability including but not limited to bodily injury, property damage, contractual liability, products and completed operations, and personal injury with limits of not less than \$1,000,000 per occurrence, \$1,000,000 aggregate covering all work performed under this Contract. Include broad form property damage (provide insurance for damage to property under the care custody and control of the contractor)

Business Automobile: The professional/service provider shall during the life of this agreement take out and maintain Business Automobile Liability form with coverage for symbol I (any auto) with limits of not less than \$1,000,000.00 combined single limit or \$500,000.00 per person/ \$1,000,000.00 per accident bodily injury and \$250,000.00 per accident property damage.

Certificates of Insurance: The Proposer, upon notice of award, will furnish Certificate of Insurance Forms. These shall be completed by the authorized Resident Agent and returned to the Procurement g Office. This certificate shall be dated and show:

- a) The name of the insured contractor, the specified job by name and job number, the name of insurer, the number of the policy, its effective date, and its termination date.
- b) Statement that the Insurer will mail notice to the City at least thirty (30) days prior to any material changes in provisions or cancellation of the policy.
- c) The City of Stuart is to be specifically included as an ADDITIONAL INSURED on General Liability Insurance and Business Automobile Liability Insurance.
- d) The City of Stuart shall be named as Certificate Holder. Please Note that the Certificate Holder should read as follows:

**City of Stuart
121S.W. Flager Avenue
Stuart, FL 34994**

- e) No City Division, Department, or individual name should appear on the certificate. NO OTHER FORMAT WILL BE ACCEPTABLE.
- f) The "Acord" certification of insurance form should be used.

1.11. PUBLIC ENTITY CRIMES

A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit proposals or contract with the City for construction of a public building or public works; may not submit bids for 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 for in s. 287 for CATEGORY TWO for a period of 36 months from the date being placed on the convicted vendor list. Questions regarding this statement should be directed to the State of Florida, Bureau of State Procurement (850) 488-8440.

1.12. SUSPENDED VENDOR

An entity or affiliate who has been placed on the State of Florida Suspended Vendor List will not be considered for award. The Suspended Vendor List is available on the State's website at:

http://dms.myflorida.com/business_operations/state_purchasing/vendor_information

1.13. ASSIGNMENT & SUBCONTRACTING

The successful proposer will not be permitted to assign its contract with the City or to subcontract any of the work requirements to be performed.

1.14. PUBLIC RECORDS

Proposals become “public records” and shall be subject to public disclosure consistent with Chapter 119.07 Florida Statutes. Document files may be examined, during normal working hours by appointment. Requested information in this RFP will not be considered confidential and/or proprietary.

All documents and other materials made or received in conjunction with this project will be subject to public disclosure requirements of chapter 119, Florida Statutes. The proposal will become part of the public domain upon opening. Vendors shall not submit pages marked “proprietary” or otherwise “restricted”.

1.15. PUBLIC RECORDS LAW: Public Records Relating to Compliance, Request for Records; Noncompliance, & Civil Action

Note: If the Proposer has questions regarding the application of Chapter 119, Florida Statutes, to the Proposer’s duty to provide public records relating to this contract, contact the office of the City Clerk as the custodian of Public Records for the City of Stuart, and all the respective departments at 772-288-5306 or mkindel@ci.stuart.fl.us, City of Stuart, City Clerk 121 SW Flagler Avenue, Stuart, FL 34994 per F.S. 119.12.

In compliance with F.S. 119.0701 the Proposer shall:

- a) Keep and maintain public records required by the public agency to perform the service.
- b) Upon request from the public agency’s custodian of public records, provide the public agency 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 this chapter or as otherwise provided by law.
- c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Proposer does not transfer the records to the public agency.
- d) Upon completion of the contract, transfer, at no cost, to the public agency all public records in possession of the Proposer or keep and maintain public records required by the public agency to perform the service. If the Proposer transfers all public records to the public agency upon completion of the contract, the Proposer shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Proposer keeps and maintains public records upon completion of the contract, the Proposer shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the public agency, upon request from the public agency’s custodian of public records, in a format that is compatible with the information technology systems of the public agency.

A request to inspect or copy public records relating to a public agency’s contract for services must be made directly to the public agency. If the public agency does not possess the requested records, the public agency shall immediately notify the Proposer of the request, and the Proposer must provide the records to the public agency or allow the records to be inspected or copied within a reasonable time.

If a Proposer does not comply with the public agency's request for records, the public agency shall enforce the contract provisions in accordance with the contract.

A Proposer who fails to provide the public records to the public agency within a reasonable time may be subject to penalties under F.S. [119.10](#).

If a civil action is filed against a Proposer to compel production of public records relating to a public agency's contract for services, the court shall assess and award against the Proposer the reasonable costs of enforcement, including reasonable attorney fees, if:

1. The court determines that the Proposer unlawfully refused to comply with the public records request within a reasonable time; and
2. At least 8 business days before filing the action, the plaintiff provided written notice of the public records request, including a statement that the Proposer has not complied with the request, to the public agency and to the Proposer.

A notice complies with subparagraph 2 above, if it is sent to the public agency's custodian of public records and to the Proposer at the Proposer's address listed on its contract with the public agency or to the Proposer's registered agent. Such notices must be sent by common carrier delivery service or by registered, Global Express Guaranteed, or certified mail, with postage or shipping paid by the sender and with evidence of delivery, which may be in an electronic format.

A Proposer who complies with a public records request within eight (8) business days after the notice is sent is not liable for the reasonable costs of enforcement.

1.16. TAXES & LICENSES

Proposer shall, at his own expense, pay all licenses, fees and taxes on labor, insurance benefits, vacations, holidays, and all manner of other charges, levies or fees of every description, and comply with all local ordinances, state and federal laws, rules and regulations applicable to business to be carried on under this contract.

- a) Licenses: Firms utilizing employee leasing companies, Proposers, both corporate and individual, must be fully licensed and certified for the type of work to be performed in the State of Florida at the time of receipt. The submittal of any Proposer that is not fully licensed and/or certified shall be rejected.
- b) Sunbiz: Proposers, both corporate and individual, must provide proof that their firm is registered with the Division of Corporations for the State of Florida.
- c) Business Tax Receipt: Proposer shall comply with Business Tax Receipt requirements for their business location. A copy of the business tax receipt or proof of exemption must be included with the submittal package, if applicable.

1.17. BACKGROUND INFORMATION

As part of the evaluation process, the City reserves the right, to require a Proposer to submit such evidence of his/her qualifications as it may deem necessary, and may consider any evidence available to it as to the qualifications and abilities of the Proposer, including past performance (experience) with the City by the Proposer or any of their Owners.

1.18. REFERENCES/RECORD CHECK

As part of the evaluation process, the City may conduct an investigation of references, including but not limited to, a record check of consumer affairs complaints. Proposer's submission of their RFP constitutes acknowledgment of the process and consent to investigate. City is the sole judge in determining Proposer's qualifications.

1.19. DRUG-FREE WORKPLACE

Preference shall be given to businesses with Drug-Free Work Place (DFW) programs. Whenever two or more proposals which are equal with respect to price, quality, and service are received by

the City for the procurement of commodities or contractual services, a proposal received from a business that completes the attached DFW form certifying that it is a DFW shall be given preference in the award process.

1.20. COMPETENCY OF RESPONDENTS

Proposals will be considered only from firms which are regularly engaged in the business of providing the goods and/or services as described in this RFP and who can provide evidence that they have established a satisfactory record of performance to insure that they can satisfactorily execute the services under the terms and conditions stated herein. The term "equipment and organization" as used herein shall be construed to mean a fully equipped and well established company in line with the best business practices in the industry and as determined by the proper authorities of the City.

1.21. PERFORMANCE EVALUATION

Throughout the contract period the vendor(s) performance will be monitored by City staff. If vendor performance fails to meet the standards specified and receives an unacceptable rating, the City may without cause and without prejudice to any other right or remedy, terminate the contract whenever the City determines that such termination is in the best interest of the City. Vendor's receiving an unacceptable rating will be notified by certified mail. Contract termination shall be served by written notice by the Procurement Division.

1.22. REJECTION OF PROPOSALS

The CITY reserves the right to accept or reject any or all proposals, part of proposals, and to waive minor irregularities or variations to specifications contained in proposals, and minor irregularities in the proposal process.

1.23. CONFLICT OF INTEREST

The Proposer covenants that they presently have no interest and shall not acquire any interest, directly or indirectly, which would conflict in any manner or degree with the performance of the services hereunder. The Proposer further covenants that no person having any such known interest shall be employed or conveyed an interest, directly or indirectly, in the contract.

1.24. CONE OF SILENCE

A Cone of Silence shall be in effect during the Competitive Solicitation beginning upon the advertisement for requests for proposals, requests for qualifications and competitive bids. The Cone of Silence shall continue through the negotiation phase for requests for proposals and requests for qualifications.

The Cone of Silence shall terminate at the time the City Commission or City Manager makes final award of a bid or gives final approval of a contract or contract amendment, rejects all bids or responses to the Competitive Solicitation, or takes other action in the Competitive Solicitation.

Any person or entity that seeks a contract, contract amendment, award, recommendation, or approval related to a Competitive Solicitation or that is subject to being evaluated or having its response evaluated in connection with a Competitive Solicitation, including a person or entity's representative shall not have any communication with any City Commissioner, the City Manager and their respective support staff or any person or group of persons appointed or designated by the City Commission or the City Manager to evaluate, select, or make a recommendation to the City Commission or the City Manager regarding a Competitive Solicitation.

Any action in violation of this section shall be cause for disqualification of the bid or the proposal. The determination of a violation shall be made by the City Manager.

PART 2 - STATEMENT OF WORK

2-1. BACKGROUND

A general description of the scope of professional services required is, but not limited to, the following:

- A. Environmental audits of development packages
- B. Environmental code revisions
- C. Environmental site assessments, phase 1 and phase 2
- D. Preliminary wetland and protected species assessments
- E. Environmental Permitting
- F. Wetland and preserve area management
- G. General consultation and coordination

CONSULTANT shall provide for City professional consulting services in all phases of any Project for which a PURCHASE ORDER has been issued by the City pursuant to this Agreement as hereinafter provided. These services will include serving as City's professional consulting representative for the Project, providing professional consulting consultation and advice and furnishing customary environmental services and customary services incidental thereto as described on the PURCHASE ORDER.

Assignment of tasks to the CONSULTANT will be at the sole discretion of the City. CONSULTANT agrees to assist the City to conform to the annual budget amount for general Consulting work as established by the City. Work performed under this task shall be by Project Authorization describing the Scope, Schedule and Budget for each Project. The format for a Project Authorization shall be provided by the CONSULTANT. The City may choose to select any other firm or use in-house staff to perform any of the items described in this document in whole or in part in accordance with the Consultants' Competitive Negotiation Act (CCNA). Project assignments will be subject to scope definition on a task-by-task basis. Services will be completed in a timely manner and as agreed to in writing between the City and CONSULTANT prior to beginning of any work.

Environmental Consulting Services - Provide Environmental Consulting Services as required by the CITY. Provide Professional Continuing Environmental Consulting Services for the environmental audits of development packages, environmental code revisions, environmental site assessments, preliminary wetland and protected species assessments, permitting and general consultation and coordination. Provide Professional Continuing Environmental Consulting Services for the Public Works Department to include all of the above and wetland and preserve area management. CONSULTANT will endeavor to perform in a manner consistent with the degree of care and skill exercised by members of the same profession under similar current circumstances.

- Provide environmental code revisions as directed by the City
- Provide environmental site assessments, phase 1 and phase 2
- All completed projects shall include a minimum of five (5) hard copy reports signed and sealed by the Professional in responsible charge.
- Shall provide environmental audits of development packages
- Staff Assistance - Provide assistance and consulting advice to CITY staff.
- Meetings and Representation - Attend meetings on behalf of and represent the CITY on technical issues as requested.

Additional Services - Arrange for additional professional or technical services as may be required by the CITY and direct/coordinate the work effort of those other technical consultants hired by the CITY.

PART 3 - EVALUATION OF SUBMISSIONS

EVALUATION METHOD AND CRITERIA

The City reserves the right to evaluate each response on a separate and individual basis. The City further reserves the right to reject any and all responses submitted, or accept a response deemed most advantageous to the City. While the City desires to achieve a cost-effective analysis, the emphasis is on quality, not necessarily the lowest cost. The City's selection committee will evaluate proposals and will select the proposer which meets the best interests of the City. The City shall be the sole judge of its own best interests, the proposals, and the resulting negotiated agreement.

An Evaluation Committee composed of five (5) City staff shall meet to evaluate each response in accordance with the requirements of this solicitation. Each Committee member will rank all proposals based on the criteria below. The top ranked firms may be required to provide a presentation to the selection committee. The selection committee will recommend award to the top ranked firm.

The City's decisions will be final. This criterion shall be utilized in the evaluation of the proposals. The City's evaluation criteria will include, but not be limited the following:

- Firm Qualifications
- Project Manager and Staff Experience
- Experience in services requested
- Price Proposal
- Quality of submittal

Selection: Proposals will be evaluated using the above criteria. The City will assign this task to a Selection Committee. The City of Stuart reserves the right to select the most qualified individuals/firms from review of the packages submitted or to interview the most qualified Respondents prior to requesting authorization to negotiate an agreement with the highest ranked respondents. Individuals/firms will be notified in writing if they are selected for interview. Notices for interviews will contain explicit instructions concerning location, date, time and length of interviews.

Presentations: The City may require oral and visual presentations. This shall be done at the City's sole discretion when it feels presentations are essential as part of the evaluation process and are in the best interests of the City. The City shall be the sole judge and final arbiter of its own best interests in this matter.

Purchasing Card Program: Preferred method of payment is by means of the City of Stuart Purchasing Card (VISA). The selected Proposer(s) can take advantage of this program and in consideration receive payment within several days, instead of the City's policy of Net 45 days. Proposers are requested to acknowledge acceptance of purchasing VISA card on the Proposal Price Form. If acknowledged, payment will be made to the awarded contract by the Visa Pcard at the negotiated contract price. City shall not pay any service charges or fees for Pcard transactions.

Terms and Conditions: Any actual or prospective Proposer who disputes the reasonableness, necessity or competitiveness of the terms and conditions of this request for proposals; selection or award recommendation shall file such dispute in writing with the City Manager, not later than close of business on the proposal opening date, as to the terms and conditions, and within ten (10) days of award recommendation. The City reserves the right to reject any or all proposals without recourse, to waive technicalities and informalities or to accept the proposal which in its sole judgment best serves the interest of the City.

PART 4 - INSTRUCTIONS FOR PREPARING SUBMISSIONS

4-1. RULES FOR SUBMISSIONS

The submission must name all persons or entities interested in the submission as principals. The proposal must declare that it is made without collusion with any other person or entity submitting a proposal pursuant to the RFP. The interested firm or individual must submit one (1) original, six (6) copies and **one (1) electronic copy (PDF format preferred) on a CD or flash drive** of their proposal. Please tab all support documents or attachments according to the order established in the following paragraph.

IMPORTANT NOTE:

To expedite the evaluation of responses, it is mandatory that all respondents follow the format and instructions contained herein. The City retains the option to reject any response that does not conform to the stated requirements.

4-2. PROPOSAL FORMAT

Proposers should prepare their proposals using the following format. Proposers shall label, tab and organize proposal submittal documents utilizing the following format as outlined below. All attachments as requested shall be inserted in the back of each corresponding section.

In preparing your proposal, proposer should assume that the City has no previous knowledge of their product or capabilities. Each response shall be prepared simply and economically, providing a straightforward and concise description of the respondent's capabilities regarding the specific work to be performed pursuant to this solicitation. Emphasis should be concentrated on conformance to the solicitation instructions, responsiveness to the solicitation requirements, and on completeness and clarity of content.

All abbreviations and acronyms used in the response shall be kept to a minimum and defined upon their first usage. Page size shall be 8.5 x 11 inches, foldouts are not acceptable. The text size should be 11 point or larger using Arial or Times New Roman font only.

Letter of Transmittal: The response format shall contain a letter of transmittal. The Letter of Transmittal will summarize in a brief and concise manner the Proposer's understanding of the scope of work and make a positive commitment to timely perform the work. Provide a statement indicating the respondent's interest in, knowledge of, and resources necessary to provide the services described in this RFP. An agent authorized to contractually bind Proposer must sign the Letter of Transmittal indicating the agent's title or authority. The transmittal letter shall not exceed two pages in length.

Tab 1 ~ Corporate Structure and Location

Firms shall provide a brief profile of their company, which should include their history, locations of their corporate and satellite offices, location of their project team, corporate structure, ownership interest, and the length of company's existence.

Tab 2 ~ Experience

Indicate the company's number of years of experience in providing services with other governmental entities in the State of Florida. List all Florida Clients within the last five years with agency name and dates of contract (from and to).

Tab 3: Price Proposal and Forms

Proposals must include a schedule of firm rates to be paid each individual/position that will be assigned to this project.

Tab 4 ~ Insurance

Provide a statement agreeing to obtain (prior to award) Insurance with coverages as detailed in the RFP. A certificate of insurance indicating that the firm has coverage in accordance with the requirements herein set forth may be furnished by the firm to the City along with their qualification data. A properly completed Accord Form is preferable. The City of Stuart must be named as an additional insured for all General Liability prior to entering into a contract.

Tab 5: Other Information

Provide any information pertinent to this project that will provide insight to the evaluators about the qualifications, fitness and abilities of the Respondent (please limit this information to two pages).

Tab 6 Addenda (if applicable)

All addenda issued pursuant to this solicitation must be acknowledged and submitted as part of the proposal package.

PART 5 – FORMS

PRICE PROPOSAL FORM

Position	Hourly Rate

DRUG-FREE WORK PLACE CERTIFICATION

Whenever two (2) or more bids/proposals, which are equal with respect to price, quality, and service, are received by the City of Stuart for the procurement of commodities or contractual services, a bid/proposal received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of controlled substances is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in number (1).
4. In the statement specified in number (1), notify the employees that as a condition for working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction on or plea of guilty or nolo contendere to any violation of Chapter 893, Florida Statutes or of any controlled substance law of the United States or any singular state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of Section 287.087, Florida Statutes.

This Certification is submitted by

(Individual's Name)

Of

(Name of Company)

Who does hereby certify that said Company/Vendor has implemented a drug-free workplace program, which meets the requirements of Section 287.087, Florida Statutes, which are identified in numbers (1) through (6) above.

Date

Signature

**Public Entity Crimes Form
NOTIFICATION OF PUBLIC ENTITY CRIMES LAW**

Pursuant to Section 287.133, Florida Statutes, you are hereby notified that a person or affiliate who has been placed on the convicted contractors list following a conviction for a public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity; may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work; may not submit proposals on leases or real property to a public entity; may not be awarded or perform work as a contractor, supplier, sub-Proposer, 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 [F.S.] for Category Two [\$35,000.00] for a period of thirty-six (36) months from the date of being placed on the convicted contractors list.

Acknowledged by:

Company Name

Signature

Name and title (Print or Type)

Date

Conflict of Interest Disclosure Form

The award of this contract is subject to the provisions of Chapter 112, Florida Statutes. All Proposers must disclose within their proposal: the name of any officer, director, or agent who is also an employee of the City of Stuart.

Furthermore, all Proposers must disclose the name of any City employee who owns, directly or indirectly, an interest in the Proposer's firm or any of its branches.

The purpose of this disclosure form is to give the City the information needed to identify potential conflicts of interest for key personnel involved in the award of this contract.

The term "conflict of interest" refers to situations in which financial or other personal considerations may adversely affect, or have the appearance of adversely affecting, an employee's professional judgment in exercising any City duty or responsibility in administration, management, instruction, research, or other professional activities.

Please check one of the following statements and attach additional documentation if necessary:

_____ To the best of our knowledge, the undersigned firm has no potential conflict of interest due to any other Cities, Counties, contracts, or property interest for this proposal.

_____ The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other Cities, Counties, contracts, or property interest for this proposal.

Company Name

Signature

Name and title (Print or Type)

Date



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
01/03/2020

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

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

PRODUCER Aon Risk Insurance Services West, Inc. Los Angeles CA Office 707 Wilshire Boulevard Suite 2600 Los Angeles CA 90017-0460 USA	CONTACT NAME: PHONE (A/C. No. Ext): (866) 283-7122		FAX (A/C. No.): (800) 363-0105
	E-MAIL ADDRESS:		
INSURER(S) AFFORDING COVERAGE			NAIC #
INSURED Tetra Tech, Inc. 3475 E Foothill Boulevard Pasadena CA 91107-6024 USA	INSURER A: Zurich American Ins Co		16535
	INSURER B: American International Group UK Ltd		AA1120187
	INSURER C:		
	INSURER D:		
	INSURER E:		
	INSURER F:		

COVERAGES **CERTIFICATE NUMBER: 570080045985** **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> X,C,U Coverage GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC OTHER:			GLO181740601	10/01/2019	10/01/2020	EACH OCCURRENCE	\$2,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$1,000,000
							MED EXP (Any one person)	\$10,000
							PERSONAL & ADV INJURY	\$2,000,000
							GENERAL AGGREGATE	\$4,000,000
							PRODUCTS - COMP/OP AGG	\$4,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			BAP1857085-01	10/01/2019	10/01/2020	COMBINED SINGLE LIMIT (Ea accident)	\$5,000,000
							BODILY INJURY (Per person)	
							BODILY INJURY (Per accident)	
							PROPERTY DAMAGE (Per accident)	
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$100,000			62785232	10/01/2019	10/01/2020	EACH OCCURRENCE	\$5,000,000
							AGGREGATE	\$5,000,000
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WC254061601 WC185708701	10/01/2019 10/01/2019	10/01/2020 10/01/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT	\$1,000,000
							E.L. DISEASE-EA EMPLOYEE	\$1,000,000
							E.L. DISEASE-POLICY LIMIT	\$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
RE: Job Description: RFP No. 2020-101: Professional Environmental Consulting Services. City of Stuart is included as Additional Insured in accordance with the policy provisions of the General Liability and Automobile Liability policies as required by written contract. Stop Gap Coverage for the following states: OH, ND, WA, WY.

CERTIFICATE HOLDER City of Stuart 121 SW Flagler Ave. Stuart FL 34994 USA	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Aon Risk Insurance Services West, Inc</i>
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Holder Identifier : FG42

Certificate No : 570080045985



ZURICH[®]

Blanket Notification to Others of Cancellation or Non-Renewal

Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer No.	Add'l. Prem	Return Prem.
GLO 1817406-01	10/01/2019	10/01/2020		75272000	INCL	

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the:

Commercial General Liability Coverage Part

- A.** If we cancel or non-renew this Coverage Part by written notice to the first Named Insured, we will mail or deliver notification that such Coverage Part has been cancelled or non-renewed to each person or organization shown in a list provided to us by the first Named Insured if you are required by written contact or written agreement to provide such notification. However, such notification will not be mailed or delivered if a conditional notice of renewal has been sent to the first Named Insured. Such list:
1. Must be provided to us prior to cancellation or non-renewal;
 2. Must contain the names and addresses of only the persons or organizations requiring notification that such Coverage Part has been cancelled or non-renewed; and
 3. Must be in an electronic format that is acceptable to us.
- B.** Our notification as described in Paragraph **A.** of this endorsement will be based on the most recent list in our records as of the date the notice of cancellation or non-renewal is mailed or delivered to the first Named Insured. We will mail or deliver such notification to each person or organization shown in the list:
1. Within seven days of the effective date of the notice of cancellation, if we cancel for non-payment of premium; or
 2. At least 30 days prior to the effective date of:
 - a. Cancellation, if cancelled for any reason other than nonpayment of premium; or
 - b. Non-renewal, but not including conditional notice of renewal.
- C.** Our mailing or delivery of notification described in Paragraphs **A.** and **B.** of this endorsement is intended as a courtesy only. Our failure to provide such mailing or delivery will not:
1. Extend the Coverage Part cancellation or non-renewal date;
 2. Negate the cancellation or non-renewal; or
 3. Provide any additional insurance that would not have been provided in the absence of this endorsement.
- D.** We are not responsible for the accuracy, integrity, timeliness and validity of information contained in the list provided to us as described in Paragraphs **A.** and **B.** of this endorsement.

All other terms and conditions of this policy remain unchanged.



ZURICH[®]

Blanket Notification to Others of Cancellation or Non-Renewal

Policy No.	Eff. Date of Pol.	Exp. Date of Pol.	Eff. Date of End.	Producer No.	Add'l. Prem	Return Prem.
BAP 1857085-01	10/01/2019	10/01/2020		75272000	INCL	

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the:

Commercial Automobile Coverage Part

- A.** If we cancel or non-renew this Coverage Part by written notice to the first Named Insured, we will mail or deliver notification that such Coverage Part has been cancelled or non-renewed to each person or organization shown in a list provided to us by the first Named Insured if you are required by written contact or written agreement to provide such notification. However, such notification will not be mailed or delivered if a conditional notice of renewal has been sent to the first Named Insured. Such list:
1. Must be provided to us prior to cancellation or non-renewal;
 2. Must contain the names and addresses of only the persons or organizations requiring notification that such Coverage Part has been cancelled or non-renewed; and
 3. Must be in an electronic format that is acceptable to us.
- B.** Our notification as described in Paragraph **A.** of this endorsement will be based on the most recent list in our records as of the date the notice of cancellation or non-renewal is mailed or delivered to the first Named Insured. We will mail or deliver such notification to each person or organization shown in the list:
1. Within seven days of the effective date of the notice of cancellation, if we cancel for non-payment of premium; or
 2. At least 30 days prior to the effective date of:
 - a. Cancellation, if cancelled for any reason other than nonpayment of premium; or
 - b. Non-renewal, but not including conditional notice of renewal.
- C.** Our mailing or delivery of notification described in Paragraphs **A.** and **B.** of this endorsement is intended as a courtesy only. Our failure to provide such mailing or delivery will not:
1. Extend the Coverage Part cancellation or non-renewal date;
 2. Negate the cancellation or non-renewal; or
 3. Provide any additional insurance that would not have been provided in the absence of this endorsement.
- D.** We are not responsible for the accuracy, integrity, timeliness and validity of information contained in the list provided to us as described in Paragraphs **A.** and **B.** of this endorsement.

All other terms and conditions of this policy remain unchanged.

BLANKET NOTIFICATION TO OTHERS OF CANCELLATION OR NONRENEWAL ENDORSEMENT

This endorsement adds the following to Part Six of the policy.

**PART SIX
CONDITIONS**

Blanket Notification to Others of Cancellation or Nonrenewal.

1. If we cancel or non-renew this policy by written notice to you, we will mail or deliver notification that such policy has been cancelled or non-renewed to each person or organization shown in a list provided to us by you if you are required by written contract or written agreement to provide such notification. However, such notification will not be mailed or delivered if a conditional notice of renewal has been sent to you. Such list:
 - a. Must be provided to us prior to cancellation or non-renewal;
 - b. Must contain the names and addresses of only the persons or organizations requiring notification that such policy has been cancelled or non-renewed; and
 - c. Must be in an electronic format that is acceptable to us.
2. Our notification as described in Paragraph 1. above will be based on the most recent list in our records as of the date the notice of cancellation or non-renewal is mailed or delivered to you. We will mail or deliver such notification to each person or organization shown in the list:
 - a. Within seven days of the effective date of the notice of cancellation, if we cancel for non-payment of premium; or
 - b. At least 30 days prior to the effective date of:
 - (1) Cancellation, if cancelled for any reason other than nonpayment of premium; or
 - (2) Non-renewal, but not including conditional notice of renewal.
3. Our mailing or delivery of notification described in Paragraphs 1. and 2. above is intended as a courtesy only. Our failure to provide such mailing or delivery will not:
 - a. Extend the policy cancellation or non-renewal date;
 - b. Negate the cancellation or non-renewal; or
 - c. Provide any additional insurance that would not have been provided in the absence of this endorsement.
4. We are not responsible for the accuracy, integrity, timeliness and validity of information contained in the list provided to us as described in Paragraphs 1. and 2. above.

All other terms and conditions of this policy remain unchanged.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective
Insured

Policy No.
WC 2540616-01

Endorsement No.
Premium \$

Insurance Company
ZURICH AMERICAN INSURANCE COMPANY

BLANKET NOTIFICATION TO OTHERS OF CANCELLATION OR NONRENEWAL ENDORSEMENT

This endorsement adds the following to Part Six of the policy.

**PART SIX
CONDITIONS**

Blanket Notification to Others of Cancellation or Nonrenewal

1. If we cancel or non-renew this policy by written notice to you, we will mail or deliver notification that such policy has been cancelled or non-renewed to each person or organization shown in a list provided to us by you if you are required by written contract or written agreement to provide such notification. However, such notification will not be mailed or delivered if a conditional notice of renewal has been sent to you. Such list:
 - a. Must be provided to us prior to cancellation or non-renewal;
 - b. Must contain the names and addresses of only the persons or organizations requiring notification that such policy has been cancelled or non-renewed; and
 - c. Must be in an electronic format that is acceptable to us.
2. Our notification as described in Paragraph 1. above will be based on the most recent list in our records as of the date the notice of cancellation or non-renewal is mailed or delivered to you. We will mail or deliver such notification to each person or organization shown in the list:
 - a. Within seven days of the effective date of the notice of cancellation, if we cancel for non-payment of premium; or
 - b. At least 30 days prior to the effective date of:
 - (1) Cancellation, if cancelled for any reason other than nonpayment of premium; or
 - (2) Non-renewal, but not including conditional notice of renewal.
3. Our mailing or delivery of notification described in Paragraphs 1. and 2. above is intended as a courtesy only. Our failure to provide such mailing or delivery will not:
 - a. Extend the policy cancellation or non-renewal date;
 - b. Negate the cancellation or non-renewal; or
 - c. Provide any additional insurance that would not have been provided in the absence of this endorsement.
4. We are not responsible for the accuracy, integrity, timeliness and validity of information contained in the list provided to us as described in Paragraphs 1. and 2. above.

All other terms and conditions of this policy remain unchanged.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective
Insured

Policy No.
WC 1857087-01

Endorsement No.
Premium \$

Insurance Company

ZURICH AMERICAN INSURANCE COMPANY