



March 17, 2011

*Leon County
Board of County Commissioners*

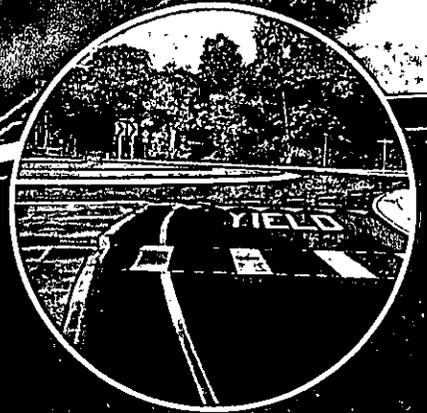
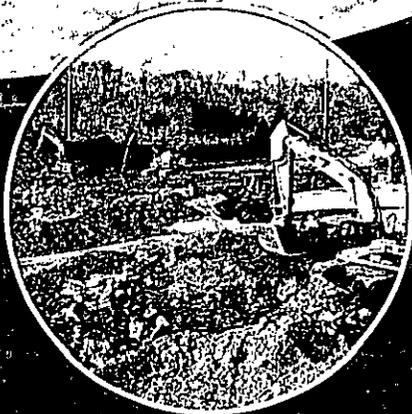
ORIGINAL

Proposal for:

Civil Engineering Services, Continuing Supply

Proposal Number BC-03-17-11-25

*Work Category: Environmental Support
Services*



TETRA TECH



TETRA TECH

March 17, 2010

Mr. Keith Roberts
Leon County Purchasing Division
1800 – 3 Blair Stone Road
Tallahassee, Florida 32308

Subject: Response to Proposal (RFP) for Civil Engineering Services, Continuing Supply
Leon County Board of County Commissioners
RFP 10 No. 2908OQ

Dear Mr. Roberts

Tetra Tech NUS (Tetra Tech) is pleased to present to the Leon County Board of County Commissioners our qualifications for subject RFP.

Tetra Tech is a worldwide leader in the civil engineering services including stormwater engineering, environmental support services. Our firm and our staff have successfully completed numerous similar projects for a variety of clients.

Tetra Tech is uniquely qualified to undertake the scope of services listed in the RFP for the following three reasons:

- Tetra Tech has complete in-house capabilities to perform Leon County's requested services.
- Tetra Tech has extensive experience in the select work categories.
- Tetra Tech has numerous Top Ten rankings, as reported by *Engineering News Record* (www.enr.com) in services related to this RFP, including Environmental Management (Ranked No. 1), Water (Ranked No.1), Environmental Science (Ranked No.2), and Solid Waste Consulting (Ranked No. 3).

We hope you will find we have carefully selected our team of experts to offer Leon County the best in civil engineering services.

In accordance with this RFP, please find one (1) original and three (3) sets per RFP prescribed Work Category of our qualifications are enclosed. We appreciate this opportunity to submit our qualifications and look forward to personally presenting our credentials. If you have any questions, please contact me at (850) 385. 9899 or via email at gerry.walker@tetrattech.com.

Sincerely,

Gerry Walker
Tallahassee Location Manager

Tetra Tech NUS, Inc.
1558 Village Square Blvd., Suite 2 | Tallahassee, FL 32309

Tel 850.385.9899 Fax 850.385.9860 | www.tetrattech.com



A. CONTRACTOR INFORMATION

1. **Firm Name:** Tetra Tech NUS, Inc (Tetra Tech)
Contact Name: Gerry Walker, Location Manager
Business Address: 1558 Village Square Blvd., Suite 2, Tallahassee, FL 32309
Telephone Number: (850) 385.9899
Email Address: Gerry.Walker@tetratech.com
2. **Primary Office Address Performing the Work:** Same as above

B1. EXECUTIVE SUMMARY

Tetra Tech Inc. was founded in 1966 to provide engineering and environmental consulting services both federal and private sector clients. Tetra Tech Inc. now employs a staff of over 10,000 professionals in over 350 offices worldwide, including two offices in Tallahassee.

Tetra Tech is a worldwide provider of multi-disciplinary engineering, environmental and energy consulting services. We have expertise in all services required by the Leon County, including stormwater engineering, utility engineering, geotechnical engineering. Environmental support services, construction

Highlights of Tetra Tech include the following:

- Ranked Number 1 in ENR's Environmental Management Firms.
- Ranked Number 2 in ENR's Environmental Science firms.
- Ranked Number 1 in ENR's Water Resource Firms.
- Ranked Number 1 in ENR's Top Water Resource Firms.
- Ranked Number 3 in ENR's Top Ten Solid Waste Firms (includes landfill closure and monitoring)
- Ranked Top Ten in ENR's Overall Power Consulting Services Firms
- Ranked Top Ten in ENR's Overall General Building Design Consulting Services Firm.
- Ranked Number 8 in Engineering News Record's (ENR's) Top 500 Design Firms in 2010.
- Dunn & Bradstreet Financial Rating of 4A1

Our Federal Tax Identification No is 95-4660169, and our State of Florida Purchasing Subsystem Registration (SPURS) No. is F-954660169-003. We are professionally registered with the state and eligible for selection under FS.287.055.





B2. DECLARATION

The aforementioned summary the contents of this RFP are presented in fair and good faith without collusion or fraud. The signer as presented in the attached required forms has the authority to bind principal proponent.

C. REQUIRED FORMS

The following forms are provided:

- Affidavit Certification Immigration Laws
- Equal Employment Policies
- Insurance Certification Form
- Certification Regarding Debarment, Suspension and Other Responsibility Matters
Primary Covered Transactions,
- Local Vendor Certification Form

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal Number: BC-03-17-11-25
Opening Date: Thursday, March 17, 2011 at 2:00 PM

**AFFIDAVIT CERTIFICATION
IMMIGRATION LAWS**

Leon County will not intentionally award County contracts to any contractor who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324 A(e) (Section 274a(e) of the Immigration and Nationality Act ("INA").

Leon County may consider the employment by any Contractor of Unauthorized Aliens a violation of Section 274A(e) of the INA. **Such violation by the Recipient of the employment provision contained in Section 274A(e) of the INA shall be ground for unilateral cancellation of the contract by Leon County.**

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

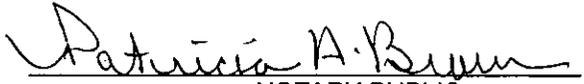
Company Name: Tetra Tech NUS, Inc.

Signature:  Title: Director, Contracts & Pricing
Janet M. Mandel

STATE OF Maryland
COUNTY OF Montgomery

Sworn to and subscribed before me this 22nd day of Feb., 2011

Personally known


NOTARY PUBLIC

OR Produced identification _____

Notary Public - State of Maryland

(Type of identification)

My commission expires: March 14, 2012
Patricia A. Brown
Printed, typed, or stamped
commissioned name of notary public

The signee of this Affidavit guarantees, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made.

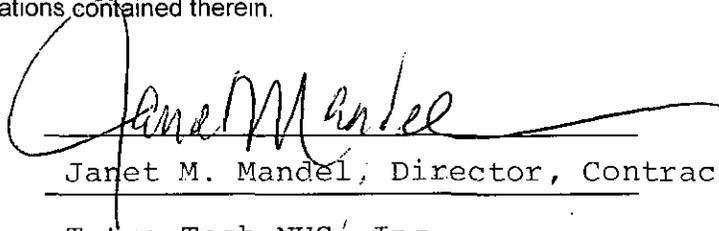
**LEON COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION,
AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**

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EQUAL OPPORTUNITY/AFFIRMATIVE ACTION STATEMENT

1. The contractors and all subcontractors hereby agree to a commitment to the principles and practices of equal opportunity in employment and to comply with the letter and spirit of federal, state, and local laws and regulations prohibiting discrimination based on race, color, religion, national region, sex, age, handicap, marital status, and political affiliation or belief.
2. The contractor agrees to comply with Executive Order 11246, as amended, and to comply with specific affirmative action obligations contained therein.

Signed:



Title:

Janet M. Mandel, Director, Contracts & Pricing

Firm:

Tetra Tech NUS, Inc.

INSURANCE CERTIFICATION FORM

To indicate that Bidder/Respondent understands and is able to comply with the required insurance, as stated in the bid/RFP document, Bidder/Respondent shall submit this insurance sign-off form, signed by the company Risk Manager or authorized manager with risk authority.

A. Is/are the insurer(s) to be used for all required insurance (except Workers' Compensation) listed by Best with a rating of no less than A:VII?

YES NO

Commercial General Liability:	Indicate Best Rating: Indicate Best Financial Classification:	<u>A XV (USA)</u> <u>N/A</u>
Business Auto:	Indicate Best Rating: Indicate Best Financial Classification:	<u>A XV</u> <u>N/A</u>
Professional Liability:	Indicate Best Rating: Indicate Best Financial Classification:	<u>A XV</u> <u>N/A</u>

1. Is the insurer to be used for Workers' Compensation insurance listed by Best with a rating of no less than A:VII?

YES NO

Indicate Best Rating: A XV
 Indicate Best Financial Classification: N/A

If answer is NO, provide name and address of insurer:

2. Is the Respondent able to obtain insurance in the following limits (next page) for this professional services agreement?

YES NO

Insurance will be placed with Florida admitted insurers unless otherwise accepted by Leon County. Insurers will have A.M. Best ratings of no less than A:VII unless otherwise accepted by Leon County.

Required Coverage and Limits

The required types and limits of coverage for this bid/request for proposals are contained within the solicitation package. Be sure to carefully review and ascertain that bidder/proposer either has coverage or will place coverage at these or higher levels.

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Required Policy Endorsements and Documentation

Certificate of Insurance will be provided evidencing placement of each insurance policy responding to requirements of the contract.

Deductibles and Self-Insured Retentions \$250,000 Deductible

Any deductibles or self-insured retentions must be declared to and approved by the County. At the option of the County, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the County, its officers, officials, employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Endorsements to insurance policies will be provided as follows:

Additional insured (Leon County, Florida, its Officers, employees and volunteers) -
General Liability & Automobile Liability

Primary and not contributing coverage-
General Liability & Automobile Liability

Waiver of Subrogation (Leon County, Florida, its officers, employees and volunteers)- General
Liability, Automobile Liability, Workers' Compensation and Employer's Liability

Thirty days advance written notice of cancellation to County - General Liability,
Automobile Liability, Worker's Compensation & Employer's Liability.

Professional Liability Policy Declaration sheet as well as claims procedures for each applicable policy to be provided

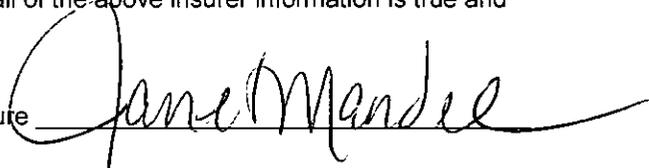
Please mark the appropriate box:

Coverage is in place

Coverage will be placed, without exception

The undersigned declares under penalty of perjury that all of the above insurer information is true and correct.

Name Janet M. Mandel
Typed or Printed

Signature 

Date February 22, 2011

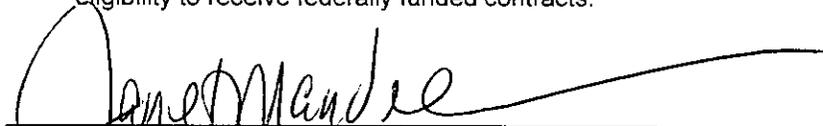
Title Director, Contracts & Pricing
(Company Risk Manager or Manager with Risk

Authority)

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal Number: BC-03-17-11-25
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**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
And OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTIONS**

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - b) Have not within a three-year period preceding this been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of these offenses enumerated in paragraph (1)(b) of this certification; and
 - d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.
3. No subcontract will be issued for this project to any party which is debarred or suspended from eligibility to receive federally funded contracts.


Signature Janet M. Mandel

Director, Contracts & Pricing
Title

Tetra Tech NUS, Inc.

Contractor/Firm

1558 Village Square Blvd.. Suite 2, Tallahassee, FL 32309

Address



March 17, 2011

Leon County
Board of County Commissioners

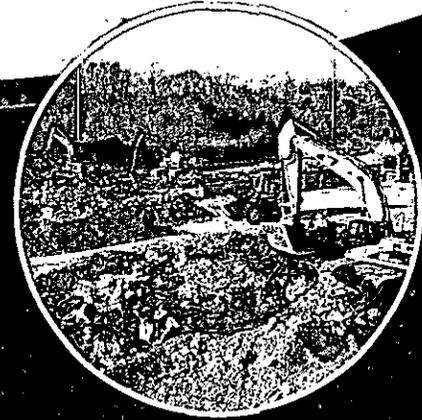
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Sincerely,

A handwritten signature in black ink that reads 'Gerry Walker'.

Gerry Walker
Tallahassee Location Manager

Tetra Tech NUS, Inc.
1558 Village Square Blvd., Suite 2 | Tallahassee, FL 32309

Tel 850.385.9899 Fax 850.385.9860 | www.tetrattech.com



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WORK CATEGORY: ENVIRONMENTAL SUPPORT SERVICES

For more than 20 years, Tetra Tech has provided our commercial energy clients in Florida and nationwide with a wide range of conventional and innovative engineering services. We offer broad based and diverse engineering skills and services, with specific strengths in the areas of scientific studies and investigations, risk management, natural resource assessments, civil/environmental engineering, construction, and operation and maintenance

Tetra Tech has an impressive reputation for environmental science and engineering services. According to recent compilations, Tetra Tech’s environmental work is comprised of 47% water quality (i.e., industrial and/or municipal water system supply and treatment); 23% environmental sciences/planning market (i.e., NEPA/EIS, natural resources, modeling, wetlands); 19% environmental management/compliance market (i.e., site assessments, audits, studies, activities related to general environmental compliance); and 6% hazardous/solid waste market (i.e., chemical and industrial waste cleanup and/or materials management, lead or asbestos abatement, municipal and non-hazardous waste landfills, recycling facilities).

As residents of Tallahassee and other cities in Florida, we care about the communities we live in. We are committed to environmental protection and to ensuring a sustainable future and improved quality of life in Florida.

- Services**
- Air Compliance and Monitoring
 - Brownfield Consultation
 - Contamination Assessments
 - Coral Relocation
 - Ecological Services
 - Environmental Site Assessments (Phase I and II, ESA)
 - Environmental Sampling
 - Pilot Studies
 - Public Involvement and Outreach
 - Remedial Alternatives Evaluation
 - Remedial Action Plans
 - Remedial Construction
 - Remedial System Optimizations
 - Risk-Based Site Management
 - Seagrass/Coral Reef Assessments
 - Seagrass Transplanting
 - Site Characterizations
 - Spill Prevention Control and Countermeasures (SPCC) and Stormwater Pollution Prevention (SWPP) Plan Development
 - Wetland Delineation

SPECIFIC PROPOSAL INFORMATION TO BE PROVIDED FOR EACH WORK CATEGORY

A. ABILITY OF PROFESSIONAL PERSONNEL

1. **Total Number of Personnel:** 43
Availability of Personnel: 24 hours from Notice to Proceed
2. **Resumes:** Resumes for key personnel are included in Attachment B. In addition to Resumes of Key Personnel, Letters of Recommendation are also provided in Attachment B.





3. No outside consultants will be utilized for this Work Category

B. EXPERIENCE WITH PROJECTS OF SIMILAR TYPE AND SIZE

1. **LIST OF RELEVANT PROJECTS.** Project Descriptions are provided in Attachment C.
2. **ONGOING PROJECT NAMES AND DESCRIPTIONS.** A sample of our ongoing projects is provided below.

PROJECT NAME	DESCRIPTION	TETRA TECH'S ROLE and RESPONSIBILITIES
DEPARTMENT OF NAVY US Navy Comprehensive Long-term Environmental Action Navy (CLEAN) Contract	Environmental Assessments, Remedial Action Planning, Hazardous Materials Management, Landfill Monitoring, Ecological Support Services, etc	Prime
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA) Environmental Services Contract	Environmental Assessments, Remedial Action Planning, Hazardous Materials Management, Ecological Support Services, etc	Prime
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) SARA/CERCLA Site Assessment and Brownfields Contract	Environmental Site Investigations Targeted Brownfields Assessments	Prime
ORLANDO UTILITIES COMMISSION Environmental Engineering Services Contract	Landfill Design and monitoring Environmental Assessments, Remedial Action Planning, Hazardous Materials Management, Ecological Support Services, etc	Prime, no subconsultants

A detailed list of all ongoing projects is available upon request.



3. FIRM PROCESS AND PROCEDURES FOR DESIGN STANDARDS AND/OR REGULATORY DIRECTION

Tetra Tech has completed numerous complex environmental projects in the State of Florida and beyond. We are extremely familiar with, and work routinely in accordance with the Rules and Regulations of the following agencies:

- Florida Department of Environmental Protection
- Northwest Florida Water Management District
- United States Environmental Protection Agency

4. FIRM BASIC AND SPECIAL RESOURCES

Facilities

Our Tallahassee office location operates using state of the art computer facilities and transfer information electronically on T1 and/or DSL communication lines. All of our office locations are staffed from 8 am to 6 pm and we offer full print services and report reproduction centers.

Available Field Equipment

Tetra Tech owns numerous types of equipment necessary to complete a variety of projects. Tetra Tech personnel are highly trained in the use of this equipment. A sample list of our available equipment is provided below.

Vehicles

- CME 75 Drill Rig
- (11) CME 55 Drill Rig
- (11) CME 45B includes mud bug
- Geoprobe 6610 Track-mounted DPT Rig
- 20 Ton Cone Rig (mechanical & electrical) (1)
- Barge Mounted Drilling Platform 10' x 20'
- 4 x 4-wheel Drive Trucks
- Company Support Vehicles
- Slate Bed Trucks w/ lift gate

Marine Vessels

- 211 Mako CC Boat w/ 200 HP engine
- 13' Diamondback Airboat
- 16' Carolina Skiff w/ 25 HP engine
- 12' Jonboat w/ GoDevil
- 10' Jonboat

Geophysical Equipment

- Geonics EM 34-3 Electromagnetic Terrain Conductivity Meter
- Stinger RI Earth Resistivity Meter





- EG&G Geometrics Model G - 816/826A - Portable Magnetometer

Soil Sampling Equipment:

- Split-Spoon Samplers
- Augers 4' Vehicle, 7" Hollow Stem, 10" Hollow Stem
- Drive heads
- Piston samplers
- Osterburg samplers
- Pitcher sampler
- 5 foot long U.S. Corps of Engineers sampling spoon
- HW Core Barrel
- NX Core Barrel
- NQ Wire Line
- HQ Core Barrel
- PQ Core Barrel
- Mineral Exploration Barrels 4"
- Split-Spoon Samplers
- Drive heads
- Piston samplers
- Osterburg samplers
- Pitcher sampler
- 5 foot long U.S. Corps of Engineers sampling spoon
- HW Core Barrel
- NX Core Barrel
- NQ Wire Line
- HQ Core Barrel
- PQ Core Barrel
- Mineral Exploration Barrels 4"
- Sediment Dredge
- Ponar Dredge
- Core Samplers, Sediment
- Soil Gas Vapor Probes

Groundwater Sampling Equipment:



- Temp/pH/Conductivity Meters
 - Reduction/Oxidation Meters
 - YSI 556 Portable Well Point Water Quality Sampler
 - LaMotte Model 2020 Turbidity Meter
 - Dissolved Oxygen Meters
 - Water Level Indicators
 - Geotech 2 Peristaltic Pumps
 - Portable Field Lab Colorimeter (Hach DR-890)
 - Various CHEMetrics field test kits
 - YSI 556 Portable Well Point Water Quality Sampler
 - 3" diameter submersible pump
 - Oil/Water Interface Probes
 - Grout pumps
 - Teflon bailers, 1.6 inch diameter/24 inch long
 - Bailers (Stainless Steel)
 - Orion Field pH and redox potential meter (Model 231)
 - Horizon Field pH meter (Model 5995-30)
 - Masterflex High and Low Capacity peristaltic well sampling pumps
 - Nitrogen lift well sampler
 - Price Current Meter
 - Pygmy Current Meter
 - 4-foot self setting wading rod
 - Data Logger
 - Handline Equipment including 15 and 30-lb. weights
 - In-situ Water Sampler - (proprietary) - can recover up to 950cc sample to 200-feet deep
- Survey Equipment**
- Surveyor Levels/Rods
 - Surveyor Transits
 - Gamin GPS 72
 - Tremble DGPSs, Model PROXRS
- Air Sampling Equipment:**
- Flame Ionization Detectors (FIDs)
 - Photoionization Detectors (PIDs) / HNu PIDs
 - Air Sampling Pumps
 - Portable Gas Chromatographs
 - Explosimeters
 - Tedlar Bags
- Miscellaneous Equipment:**
- Laptop computers
 - Cellular Phones
 - Digital Cameras

Equipment not listed above but required for this project is included as a rental. One example of this would be the portable job site office trailer.

C. WILLINGESS TO MEET SCHEDULE AND BUDGET REQUIREMENTS

Schedule

Tetra Tech will meet project and reporting deadlines as required for each project under this contract with Leon County. We currently work on many sites under regulatory authority of many government agencies. As such, we are well versed in reporting under each agency. We also work with many clients and agencies that have specific reporting deadlines that must be met in a timely manner. To help us meet these schedule deadlines we currently use



project management software to assist in schedule and financial tracking, such as Primavera Project Planner (P3), Sure Track Project Manager, and Microsoft Project.

Many of our clients also require weekly and/or monthly contract/project updates. We routinely produce numerous monthly status reports that accompany percent complete schedules on a contract and/or project basis.

Budget

Tetra Tech's expertise in this industry offers Leon County the ability to connect the appropriate market costs to any service requested. We utilize extensive cost models to not only ensure internal financial control, but we are able to present out project costs with sufficient detail to our clients allowing individual line item analysis.

Our cost estimates for projects include costs for capital and for annual operation and maintenance. Present worth costs and sensitivity analyses are also provided by Tetra Tech. Cost estimates are generated from a computer database to allow timely and efficient updates and to provide detailed pricing for projects.

Cost control is monitored and regulated by an internal control system linked to our central accounting and contracting database. This Oracle instance database allows our project managers to:

- Establish costs on a task by task basis to control/monitor spending
- View and evaluate project costs in real-time instances
- Forecast cost to be incurred to ensure costs are not exceeded.

D. EFFECT OF FIRM'S RECENT, CURRENT, AND PROJECTED WORKLOAD.

Tetra Tech is one of the largest sources for engineering, consulting, management, environmental services and construction services. The size and diversity of Tetra Tech allows us to meet client work requirements during periods of high demand through accessing our extensive resources.

Our FY11 current and projected Contract Work Load Capacity is approximately \$102 Million. Our current actual workload capacity is approximately \$65 Million. As a result, we have 36% additional staff resources to dedicate to this contract.

Additionally, we examined our capabilities to respond and complete work from several key perspectives: workload demands versus present contract assessments of total backlog and revenue capacity, as well as the depth in the key technical disciplines potentially impacted by our existing contract workload.

In assessing our overall capacity to successfully undertake projects to be awarded by Leon County, we carefully examined the key disciplines in relation to the total personnel available within Tetra Tech. Results of this examination are presented on Table 2 below.



**Table 2
Work Load Capacity**

REQUIRED KEY DISCIPLINE	NUMBER OF APPLICABLE TETRA TECH PERSONNEL	ESTIMATED NUMBER OF FTE'S REQUIRED FOR LEON COUNTY CONTRACT	% PERSONNEL IMPACTED
Environmental Engineer	466	4	>1%
Construction Manager	75	1	5%
Geologist	306	2	>1%
Biologist	250	2	>1%
H&S Specialist (i.e., CIH, CSP)	176	2	>1%
Air Quality Specialist	60	2	3%
Regulatory Specialist	75	2	2%

Our key personnel proposed for this project are located in Tallahassee, Florida and will be available and dedicated to serve the Leon County throughout the duration of this project.

E. EFFECT OF PROJECT TEAM LOCATION

The primary office location to respond to and provide services for Leon County is located in Tallahassee, Florida at 1558 Village Square Blvd., Suite 2. The following Florida office locations may provide remote design and/or engineering support to the primary office location on an as needed basis.

**Table 3
Tetra Tech Florida Office Locations**

STATE REGION	OFFICE LOCATION	STATE REGION	OFFICE LOCATION
Central	1525 Centennial Dr. Bartow, FL 33831	Southeast	1901 S. Congress Ave. Ste. 200 Boynton Beach, FL 33426
	11 Riverside Dr. Ste. 205 Cocoa, FL 32922		1401 E. Broward Blvd. Ste. 302 Ft. Lauderdale, FL 33301
	1300 N. Cocoa Blvd., Cocoa, FL 32922		2608 W. 84th St. Hialeah, FL 33016
	3220 W. County Road 630 Fort Meade, FL 33841		8550 NW 33 Street Miami, FL 33142
	201 E. Pine St. Ste. 1000		460 NW Concourse Pl. Ste.1





**Request for Proposals
CIVIL ENGINEERING SERVICES, CONTINUING SUPPLY**

STATE REGION	OFFICE LOCATION	STATE REGION	OFFICE LOCATION
	Orlando, FL 32801		Port St. Lucie, FL 34986
	8008 S. Orange Ave. Orlando, FL 32809		759 S. Federal Hwy. Stuart, FL 34994-2936
	4012 Gunn Highway Ste. 140 Tampa, FL 33618		2200 N. Florida Mango Rd. Ste. 101 West Palm Beach, FL 33409
Northeast	8640 Phillips Hwy. Ste. 16 Jacksonville, FL 32256	Southwest	9970 Bavaria Rd. Fort Myers, FL 33913
Northwest	12815 Emerald Coast Pkwy. Ste. 110 Destin, FL 32550		740 Tamiami Trail Unit 3 Port Charlotte, FL 33954
	10600 Chevrolet Way Estero, FL 33928		78 Sarasota Center Dr. Sarasota, FL 34240

F. APPROACH TO THE PROJECT

In summary, projects awarded to Tetra Tech will be managed by in our Tallahassee Office by Mr. Gerry Walker, Tallahassee Location Manager. Mr. Walker will carefully match the appropriate staff and resources necessary to successfully complete the project. Prior to receipt of any award, the appropriate Leon County personnel will review our technical scope, anticipated delivery schedule and proposed project budget. This review and communication process allows for a seamless connection to Leon County's end vision for the project and sets aside all budget and schedule requirements on the front end to avoid any potential pitfalls upon project closure.



ATTACHMENT A
RFP REQUIRED FORMS

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal Number: BC-03-17-11-25
Opening Date: Thursday, March 17, 2011 at 2:00 PM

PROPOSAL RESPONSE COVER SHEET

THIS PAGE IS TO BE COMPLETED AND INCLUDED AS THE COVER SHEET FOR YOUR RESPONSE TO THE REQUEST FOR PROPOSALS.

The Board of County Commissioners, Leon County, reserves the right to accept or reject any and/or all bids in the best interest of Leon County.

Keith M. Roberts, Purchasing Director

John Dailey, Chairman
Leon County Board of County Commissioners

This bid response is submitted by the below named firm/individual by the undersigned authorized representative.

	<u>Tetra Tech NUS</u>
	(Firm Name)
BY	<u><i>Michael S. Rome</i></u>
	(Authorized Representative)
	<u>Sean Rome, Operations Manager</u>
	(Printed or Typed Name)
ADDRESS	<u>8640 Philips Highway, Suite 16</u>
	<u>Jacksonville, Florida 32256</u>
CITY, STATE, ZIP	
TELEPHONE	<u>(904) 540-6918</u>
FAX	<u>(904) 636-6165</u>

ADDENDA ACKNOWLEDGMENTS: (IF APPLICABLE)

Addendum #1 dated 3/3/2011 Initials _____ Addendum #3 dated _____ Initials _____
Addendum #2 dated 3/8/2011 Initials _____ Addendum #4 dated _____ Initials _____

PLEASE MARK WHICH CATEGORIES FOR WHICH YOU WISH TO BE CONSIDERED:

- | | |
|--|--|
| <input checked="" type="checkbox"/> a. Stormwater Engineering | <input type="checkbox"/> h. Surveying |
| <input type="checkbox"/> b. Roadway Design | <input type="checkbox"/> i. Subdivision and Site Development Engineering |
| <input type="checkbox"/> c. Traffic and Intersection Engineering | <input type="checkbox"/> j. Parks and Recreational Facility Engineering |
| <input type="checkbox"/> d. Structural Engineering | <input type="checkbox"/> k. Utility Engineering |
| <input type="checkbox"/> e. Geotechnical Services | |
| <input checked="" type="checkbox"/> f. Environmental Support Services | |
| <input type="checkbox"/> g. Construction Engineering and Inspection Services | |

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal Number: BC-03-17-11-25
Opening Date: Thursday, March 17, 2011 at 2:00 PM

**AFFIDAVIT CERTIFICATION
IMMIGRATION LAWS**

Leon County will not intentionally award County contracts to any contractor who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324 A(e) {Section 274a(e) of the Immigration and Nationality Act ("INA").

Leon County may consider the employment by any Contractor of Unauthorized Aliens a violation of Section 274A(e) of the INA. **Such violation by the Recipient of the employment provision contained in Section 274A(e) of the INA shall be ground for unilateral cancellation of the contract by Leon County.**

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

Company Name: Tetra Tech NUS, Inc.

Signature: *Janet M. Mandel* Title: Director, Contracts & Pricing
Janet M. Mandel

STATE OF Maryland
COUNTY OF Montgomery

Sworn to and subscribed before me this 22nd day of Feb., 2011.

Personally known ✓

OR Produced identification _____

(Type of identification)

Patricia A. Brown
NOTARY PUBLIC

Notary Public - State of Maryland

My commission expires: March 14, 2012

Patricia A. Brown
Printed, typed, or stamped
commissioned name of notary public

The signee of this Affidavit guarantees, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made.

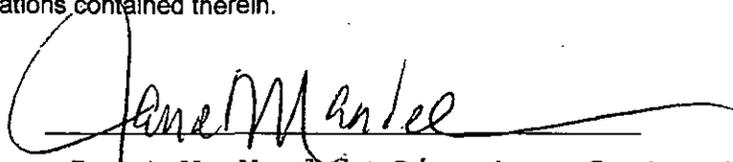
**LEON COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION,
AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal Number: BC-03-17-11-25
Opening Date: Thursday, March 17, 2011 at 2:00 PM

EQUAL OPPORTUNITY/AFFIRMATIVE ACTION STATEMENT

1. The contractors and all subcontractors hereby agree to a commitment to the principles and practices of equal opportunity in employment and to comply with the letter and spirit of federal, state, and local laws and regulations prohibiting discrimination based on race, color, religion, national region, sex, age, handicap, marital status, and political affiliation or belief.
2. The contractor agrees to comply with Executive Order 11246, as amended, and to comply with specific affirmative action obligations contained therein.

Signed:



Title:

Janet M. Mandel, Director, Contracts & Pricing

Firm:

Tetra Tech NUS, Inc.

INSURANCE CERTIFICATION FORM

To indicate that Bidder/Respondent understands and is able to comply with the required insurance, as stated in the bid/RFP document, Bidder/Respondent shall submit this insurance sign-off form, signed by the company Risk Manager or authorized manager with risk authority.

- A. Is/are the insurer(s) to be used for all required insurance (except Workers' Compensation) listed by Best with a rating of no less than A:VII?

YES NO

Commercial General Liability:	Indicate Best Rating: Indicate Best Financial Classification:	<u>A XV (USA)</u> <u>N/A</u>
Business Auto:	Indicate Best Rating: Indicate Best Financial Classification:	<u>A XV</u> <u>N/A</u>
Professional Liability:	Indicate Best Rating: Indicate Best Financial Classification:	<u>A XV</u> <u>N/A</u>

1. Is the insurer to be used for Workers' Compensation insurance listed by Best with a rating of no less than A:VII?

YES NO

Indicate Best Rating: _____
 Indicate Best Financial Classification: N/A A . XV

If answer is NO, provide name and address of insurer:

2. Is the Respondent able to obtain insurance in the following limits (next page) for this professional services agreement?

YES NO

Insurance will be placed with Florida admitted insurers unless otherwise accepted by Leon County. Insurers will have A.M. Best ratings of no less than A:VII unless otherwise accepted by Leon County.

Required Coverage and Limits

The required types and limits of coverage for this bid/request for proposals are contained within the solicitation package. Be sure to carefully review and ascertain that bidder/proposer either has coverage or will place coverage at these or higher levels.

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal Number: BC-03-17-11-25
Opening Date: Thursday, March 17, 2011 at 2:00 PM

Required Policy Endorsements and Documentation

Certificate of Insurance will be provided evidencing placement of each insurance policy responding to requirements of the contract.

Deductibles and Self-Insured Retentions \$250,000 Deductible

Any deductibles or self-insured retentions must be declared to and approved by the County. At the option of the County, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the County, its officers, officials, employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Endorsements to insurance policies will be provided as follows:

Additional insured (Leon County, Florida, its Officers, employees and volunteers) -
General Liability & Automobile Liability

Primary and not contributing coverage-
General Liability & Automobile Liability

Waiver of Subrogation (Leon County, Florida, its officers, employees and volunteers)- General
Liability, Automobile Liability, Workers' Compensation and Employer's Liability

Thirty days advance written notice of cancellation to County - General Liability,
Automobile Liability, Worker's Compensation & Employer's Liability.

Professional Liability Policy Declaration sheet as well as claims procedures for each applicable policy to be provided

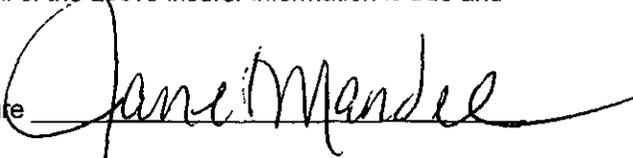
Please mark the appropriate box:

Coverage is in place

Coverage will be placed, without exception

The undersigned declares under penalty of perjury that all of the above insurer information is true and correct.

Name Janet M. Mandel
 Typed or Printed

Signature 

Date February 22, 2011

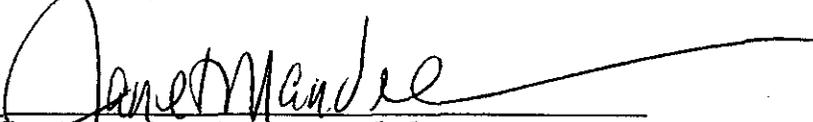
Title Director, Contracts & Pricing
(Company Risk Manager or Manager with Risk

Authority)

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal Number: BC-03-17-11-25
Opening Date: Thursday, March 17, 2011 at 2:00 PM

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
And OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTIONS**

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - b) Have not within a three-year period preceding this been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statues or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of these offenses enumerated in paragraph (1)(b) of this certification; and
 - d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.
3. No subcontract will be issued for this project to any party which is debarred or suspended from eligibility to receive federally funded contracts.


Signature Janet M. Mandel

Director, Contracts & Pricing
Title

Tetra Tech NUS, Inc.
Contractor/Firm

1558 Village Square Blvd., Suite 2, Tallahassee, FL 32309
Address

LOCAL VENDOR CERTIFICATION

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

- a) Has had a fixed office or distribution point located in and having a street address within Leon, Gadsden, Wakulla, or Jefferson County for at least six (6) months immediately prior to the issuance of the request for competitive bids or request for proposals by the County; and
- b) Holds any business license required by Leon County (or one of the other local counties), and, if applicable, the City of Tallahassee; and
- c) Is the principal offeror who is a single offeror; a business which is the prime contractor and not a subcontractor; or a partner or joint venturer submitting an offer in conjunction with other businesses.

Please complete the following in support of the self-certification and submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name: <u>Tetra Tech NUS, Inc.</u>	
Current Local Address: <u>1558 Village Square Blvd., Suite 2 Tallahassee, FL 32309</u>	Phone: (850) <u>385-9899</u> Fax: (850) <u>385-9860</u>
If the above address has been for less than six months, please provide the prior address. Length of time at this address:	
Home Office Address: <u>661 Andersen Drive Pittsburgh, PA 15220</u>	Phone: (412) <u>921-7090</u> Fax: (412) <u>921-4040</u>

Janet M. Mandel _____ 02/22/2011
Signature of Authorized Representative Date

STATE OF Maryland
COUNTY OF Montgomery

The foregoing instrument was acknowledged before me this 22nd day of Feb., 2011.

By Janet M. Mandel _____, of Tetra Tech NUS, Inc. _____
(Name of officer or agent, title of officer or agent) (Name of corporation acknowledging)

a Delaware _____ corporation, on behalf of the corporation. He/she is personally known to me
(State or place of incorporation)

or has produced State of Maryland drivers license _____ as identification.
(type of identification)

Patricia A. Brown _____
Signature of Notary
Patricia A. Brown
Print, Type or Stamp Name of Notary
Contracts Admin / FSO
Title or Rank
N/A
Serial Number, If Any

Return Completed form with supporting documents to:

Leon County Purchasing Division
1800-3 Blair Stone Road
Tallahassee, Florida 32308

ATTACHMENT B
RESUMES OF KEY PERSONNEL
LETTERS OF RECOMMENDATION



Gerry Walker, P.G.
Project Manager

Mr. Walker has 24 years experience conducting Preliminary Contamination Assessments, Remedial Investigations and Feasibility Studies, Screening Site Investigations and overseeing groundwater contamination investigations. Mr. Walker is currently the Contract Manager for a five year contract with the Florida Department of Environmental Protection to complete Targeted Brownfield Assessments and CERCLA Site Assessments at sites throughout the State of Florida. Mr. Walker is the Project Manager for implementation of RCRA Facility Investigation Addendum and Corrective Measures Study at Naval support Activity Panama City, in Panama City, Florida, Project Manager for CERCLA and UST investigations at Naval Air Station Pensacola and Outlying Landing Fields in Pensacola, Florida. Formerly Mr. Walker was Project Manager and Senior Technical Lead for CERCLA and RCRA investigation and remediation at Naval Air Station Jacksonville, in Jacksonville Florida.

EXPERIENCE

Contract/Program Manager; Florida Department of Environmental Protection Targeted Brownfield Assessments and CERCLA Site Assessments, Multiple Sites within Florida, April 2005 to Present.

Mr. Walker was responsible for client relations, contract management, and technical oversight for the five year contract to investigate and cleanup Targeted Brownfield Assessment sites and investigates State lead CERCLA sites. As Contract Manager, Mr. Walker is responsible for the overall contract funding, schedules and commitments for all projects completed under the contract. He negotiates annually the contract specific unit rates and is responsible for monthly progress reports, and accurate and timely invoicing. Mr. Walker oversees a multi-disciplinary team of geologist and engineers in the completion of detailed investigations and remediation of contaminated sites.

Project Manager; Remedial Investigation, Feasibility Study, Proposed Plan, Record of Decisions and Remedial Design for Installation Restoration Site 41 NAS Pensacola; NAVFAC Southeast; Pensacola Florida; April 2006 to Present.

Mr. Walker is responsible for completing a Response to Comments and Final Remedial Investigation Report, Feasibility Study, Proposed Plan and ROD for Site 41 the Combined Wetlands at NAS Pensacola. He oversaw completion of draft and final planning documents including separate site-specific Work Plans and Health and Safety Plans. Work at the site included additional sediment sampling, negotiation with regulatory agencies and coordination of public comment periods.

Project Role:

Project Manager

Education:

B.S.; Geology; Ohio University;
1984

Registrations/Certifications:

Florida Professional Geologist;
PG No. 0001180; 1990

Mississippi Professional
Geologist; PG No. 065; 1998

OSHA 1910.120 40-Hour
HAZWOPER Training; July
1985

OSHA 1910.120 8-Hour Annual
Refresher Training; January
2011

OSHA 1910.120 8-Hour
Supervisory Training; February
1994

OSHA 1910.146 Initial Confined
Space Entry Training; February
1994

Office:

Tallahassee, Florida

Years of Experience:

24 (spell out numbers that are
ten and under)

Years with Tetra Tech:

12



Project Manager; Record of Decision and Remedial Designs at Operable Units 11 and 13 NAS Pensacola; NAVFAC Southeast; NAS Pensacola, Pensacola Florida; April 2006 to Present.

Mr. Walker is responsible for finalizing and submitting Final Record of Decisions and draft and final Remedial Designs for Operable Units 11 and 13 at NAS Pensacola, Pensacola, Florida. He oversaw the completion of remedial designs implementing the selected remedies specified in the ROD including Land Use Controls and groundwater monitoring.

Project Manager; Remedial Investigation for the Site 4 Saufley Field; NAVFAC Southeast; Pensacola, Florida; May 2006 to Present.

Mr. Walker was responsible for implementing a Remedial Investigation at the Installation Restoration Site 4, Former Hangar Area, Saufley Field. Previously environmental sampling had not been completed at the site. Mr. Walker oversaw completion of draft and final planning documents including a site-specific work plan and Health and Safety Plan. Work at the site included completion of a file search, geophysical investigation, DPT soil borings, screening for excessively contaminated soils, installation of shallow, intermediate and deep monitoring wells using hollow stem augers, and rotasonic techniques, and the collection and analysis of soil and groundwater samples. Mr. Walker supervised the collection, characterization and disposal of site generated Investigation derived wastes.

Project Manager; Contamination Assessment Reports and Remedial Investigations at Site 44, 45, and 46 NAS Pensacola; SOUTHNAVFACENGCOM; NAS Pensacola, Pensacola Florida; January 2005 to Present.

Mr. Walker is responsible for completing Contamination Assessment Report Addendums and Remedial Investigations for three Installation Restoration sites contaminated with volatile organic compounds and/or metals. He oversaw completion of draft and final planning documents including separate site-specific Work Plans and Health and Safety Plans. Work at the site included completion of soil borings, installation of groundwater monitoring wells, aquifer testing, and the collection and analysis of soil and groundwater samples.

Project Manager; NAS Pensacola Long-term Monitoring for Four UST Sites; SOUTHNAVFACENGCOM; NAS Pensacola, Pensacola Florida; June 1999 to December 2005.

Mr. Walker was responsible for implementing a long-term monitoring plan at four Underground Storage Tank sites located at Outlying Landing Field Bronson a subcommand of NAS Pensacola. Mr. Walker oversaw completion of draft and final planning documents including a site-specific Health and Safety Plan and Quality Assurance Plan. Work at the site included completion of soil borings, installation of groundwater monitoring wells, and the collection and analysis of soil and groundwater samples.





TETRA TECH

Gerry Walker, P.G.
Project Manager

PAPERS/PRESENTATIONS/AWARDS

FY 2005 Chief Naval Office Award, Team Award to Naval Air Station Pensacola Restoration Team - Presented 5/3/06.

Florida Environmental Partnering Alliance – Outstanding performance in Environmental Performance Notification. FY 2005; notice December 19, 2005



March 2011

BC-03-17-11-25

Mr. Jaynes has over 19 years of experience in environmental engineering including contamination assessment, remedial investigations, feasibility studies, remedial system design and implementation, and project management. His experience includes site assessment, well drilling and direct-push technology oversight, groundwater, surface water, sediment, and soil sampling, landfill studies, aquifer characterization, and general construction oversight. His expertise is in remedial system design, installation and construction oversight, system monitoring, operation and maintenance, CERCLA and RCRA decision document preparation, and project management. Other experience includes tank inspections, SPCC plans, data acquisition, management, and interpretation, and proposal and report writing. Mr. Jaynes' experience also includes work at industrial sites, RCRA landfills, U.S. Naval Facilities, underground storage tank (UST)/petroleum sites, commercial drycleaner/chlorinated solvent sites, U.S. Coast Guard Facilities, Florida Brownfields sites and National Priority List (NPL) Superfund sites.

EXPERIENCE

REMEDIATION PROJECTS

Remedial Investigation and Feasibility Studies (RI/FS), Naval Air Station (NAS) Whiting Field, Milton, Florida, January 2005 - Present.

Mr. Jaynes is currently the technical lead for the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) investigation at NAS Whiting Field, an NPL facility. His responsibilities include preparation and review of feasibility study/proposed plan/record of decision (FS/PP/ROD) and remedial design documents for several sites across the facility requiring various degrees of remedial action including the basewide groundwater investigation (Site 40). Ten (10) RODs were completed and signed within the last four years for Sites 2, 10, 11, 13, 14, 15, 16, 17, 18, and 35. The selected remedy for the majority of these sites involve Land Use Controls (LUCs) to restrict access to and future land use of sites with surface and/or subsurface soil contamination.

Feasibility Studies and Remedial Design, Naval Construction Battalion Center (NCBC) Gulfport, Mississippi, November 2006 - Present.

Mr. Jaynes is currently the engineer of record/technical lead for four CERCLA sites at NCBC Gulfport in Mississippi. His responsibilities include preparation and review of feasibility study and remedial design documents to address landfills at Sites 3, 4, 5, and 10.

Project Role:

Project Engineer

Education:

B.Sc., Chemical Engineering
and Petroleum Refining, Minor
in Management; Colorado
School of Mines, 1991

Registrations/Certifications:

Engineer in Training (E.I.T.) No.
1093ET119, 1993

Professional Engineer (P.E.)
Florida License No. 55441, 2000

Professional Engineer (P.E.)
Mississippi License No. 17816,
2007

Office:

Tallahassee, Florida

Years of Experience:

19

Years with Tetra Tech:

13

**Florida Department of Environmental Protection (FDEP), CERCLIS Site Assessments and Targeted Brownfields Projects, March 2006 – Present.**

Mr. Jaynes has been involved with the Targeted Brownfields projects at sites throughout Florida. His responsibilities as project engineer included site rehabilitation, remedial alternative analysis, remedial action review, implementation (excavation and construction) oversight. Other responsibilities included development of cost estimates and proposals and report preparation.

FDEP, Drycleaning Solvent Cleanup Program (DSCP), March 1999 – January 2004.

Mr. Jaynes was involved with the DSCP at several commercial drycleaner sites throughout Florida. His responsibilities included all aspects of site rehabilitation including contamination assessment, remedial alternative evaluation, remedial action plan (RAP) development including system design, construction, and implementation, system monitoring, operation and maintenance, and construction oversight for various sites with solvent contamination. Other responsibilities included project management, development of cost estimates and proposals, and report preparation.

Remedial Action Plan, Alpha Delta Piers, Light Non-Aqueous Phase Liquid (LNAPL) Monitoring and Removal, NAVSTA, Mayport, Florida, May 1996 - January 1998.

Mr. Jaynes was responsible for execution of the remedial action plan (RAP) at the Alpha Delta Piers (a UST site) at NAVSTA Mayport. His responsibilities included field operation and project management (planning and scheduling), LNAPL monitoring, groundwater sampling, and other field related tasks. Other responsibilities included data acquisition and analysis, and preparation of quarterly monitoring reports.

Navy Environmental Leadership Program (NELP), Technology Initiative Support, NAVSTA, Mayport, Florida, December 1995 – July 1998.

Mr. Jaynes represented ABB-ES/HLA as third party QA/QC oversight during implementation of new and innovative technologies (including *in situ* bioremediation, thermal desorption, and direct-push technologies) by other Navy designated contractors at various RFI SWMUs at NAVSTA Mayport. His responsibilities included review of contractor documents, oversight and documentation of field activities, observation of system construction and operation, coordination with base personnel and contractors, and problem resolution. Other responsibilities include confirmatory soil and groundwater sampling, data acquisition and analysis, and preparation of technology evaluation reports.

STORAGE TANK PROJECTS**Underground Storage Tank (UST) Sites, NAS Whiting Field and NSA Panama City, Florida, June 2006 – Present.**

Mr. Jaynes is currently the technical lead for and several UST sites at NAS Whiting Field and NSA Panama City in Florida. His responsibilities include development and/or PE review of Remedial Action Plans (RAP), technical support, and partnering oversight of all engineering design aspects for several sites (Site 4, Site 7, Building 2894, Building 1438/1439, and the AVGAS E Pipeline) at Whiting Field and two sites [Area of Concern (AOC) 2 and Building G300 (Navy Experimental Dive Unit)] at Panama City. These sites all involve actions that address petroleum (BTEX, PAH, TRPH, and metals including arsenic and lead) contamination in soil and groundwater.

FDEP, Petroleum Preapproval Program, March 1999 – January 2005.

Mr. Jaynes was involved with the Preapproval Program at several commercial petroleum sites throughout Florida. His responsibilities included all aspects of site rehabilitation including contamination assessment,





remedial alternative analysis, remedial action plan (RAP) development including system design, construction, and implementation, system monitoring, operation and maintenance, and construction oversight for various UST sites with BTEX, PAH, TRPH, and lead contamination. Other responsibilities included project management, development of cost estimates and proposals and report preparation.

SITE ASSESSMENT PROJECTS

United States Naval Support Station Naples (Italy), Baseline Environmental Assessment, November 2008 – April 2009.

Mr. Jaynes was involved with the Baseline Environmental Assessment conducted by Tetra Tech NUS at, and in the vicinity of, the U.S. Naval Support Station in Naples, Italy. His responsibilities as a sampling team leader included water, soil, and soil gas sample collection and management via in-field "tough book" data logging as well as collection of housing location data via GPS.

Remedial Investigation and Feasibility Study (RI/FS), Naval Air Station (NAS) Whiting Field, Milton, Florida, July 1996 – January 2002.

Mr. Jaynes was involved with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) investigation at NAS Whiting Field, an NPL facility. His responsibilities included review of several FS documents for sites requiring remedial action. Other responsibilities included data acquisition, management, analysis, and maintaining the analytical database (FRED) for all NAS Whiting Field site work.

Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI), Marine Corps Logistics Base (MCLB), Albany, Georgia, November 1992 – February 2000.

Mr. Jaynes was involved with the PSC 3 Landfill investigation at MCLB Albany. His responsibilities include preliminary data acquisition for landfill cap design and implementation. These investigations required the use of the Geoprobe direct-push technology and Level "B" personnel protective equipment. Other responsibilities and past activities have included, field operations, base-wide groundwater sampling for natural attenuation monitoring, data acquisition and analysis, construction oversight, and report preparation.

RCRA Facility Investigation (RFI) and RCRA Facility Assessment (RFA), U.S. Naval Station (NAVSTA), Mayport, Florida, January 1992 – July 1998.

Mr. Jaynes was the Field Operations Leader for the ABB-ES team investigating seventeen identified RFI and twenty-five identified RFA solid waste management units (SWMUs) at NAVSTA Mayport. His responsibilities included sampling plan development, field operations management (cost estimation, planning, and scheduling), coordination of site work with base personnel and subcontractors, subcontractor oversight, and other field related tasks.

Mr. Jaynes was also involved with remediation and construction QA/QC oversight of the Navy RAC contractor (Bechtel) at several SWMUs on the base. Other responsibilities included data acquisition, management, analysis, and maintaining the analytical database (FRED) for all NAVSTA Mayport site work.

RI/FS, NAS Cecil Field, Jacksonville, Florida, October 1991 - September 1993 and February 1998 – April 1999.

In 1991, Mr. Jaynes was involved with the CERCLA field investigations at NAS Cecil Field, an NPL facility. His responsibilities included soil and groundwater sampling, aquifer characterization, and Level B



excavation support. In 1998, Mr. Jaynes was the Field Operations Leader for the ABB-ES/HLA team performing a wide range of tasks including natural attenuation (NA) groundwater sampling, soil screening and sampling, monitoring well installation, and building and equipment surveys (decommissioning) at several BRAC and UST sites at NAS Cecil Field. His other responsibilities include data acquisition, management, analysis, and preparation of quarterly NA monitoring reports.

ENVIRONMENTAL ANALYSIS/PLANNING PROJECTS

Waste Management, Inc. (WMI), Spill Prevention, Control, and Countermeasure (SPCC) Plan Updates, May 2008 – November 2008.

Mr. Jaynes was involved in reviewing and updating SPCC plans for several WMI facilities in Florida. His responsibilities included conducting site inspection visits at the WMI facilities, site personnel interviews, AST tank, dispenser, and leak detection inspections and inventories, facility documentation review, and PE certification of the final plans.

United States Coast Guard (USCG) SSPCC Plans, September 2000 – October 2004.

Mr. Jaynes was involved in updating and preparing SPCC plans for several USCG facilities in the southeast region. His responsibilities included conducting site inspection visits at the facilities, personnel interviews, tank inspections and inventories, photo documentation, and facility background research. Other responsibilities included preparing site visit summary reports and developing the final updated SPCC plans.

PAPERS/PRESENTATIONS/AWARDS

Remedial Action Using Hydrogen Release Compound (HRC™) Under State Drycleaning Program, Juliette J. Watts, Michael O. Jaynes. Poster Presentation - Florida Remediation Conference, June 2001

Remedial Action Using Fenton's Chemistry Under State Drycleaning Program, Geoffrey D. Schaefer, Michael O. Jaynes. Poster Presentation - Florida Remediation Conference, June 2001

Honor Award - 2002 Florida Institute of Consulting Engineers (FICE) Engineering Excellence Awards – *Havana Antique Center (Dual-Phase Extraction and Biosparging with Horizontal Wells)*, August 2002

Havana Antique Center - Biosparging with Horizontal Wells, Michael O. Jaynes, Geoff Schaefer, Chett Hopkins. Platform Presentation – Battelle International Bioremediation Symposium, June 2003



Mr. Lesesne has 32 total years of professional experience in the geotechnical and environmental industry. He has provided and managed consulting services for a variety of facilities that have consisted of the neighborhood gas station and dry cleaners, small to large industrial and manufacturing facilities, Department of Defense installations, municipal, industrial, and nuclear landfills, and railroads. Mr. Lesesne's success as a project/ technical manager is based on meeting the client's objectives and solving problems through consulting services that provide technically sound, cost-effective solutions to meet the projects requirements. His 32 year diversified consulting career provides the insight to manage a project by anticipating problems before they occur and identifying solutions that may be implemented to keep the project on schedule and budget. Mr. Lesesne's proactive negotiation and management skills and use of innovative solutions to solve environmental problems has been acknowledged by the receipt of 3 personal letters of commendation from the Department of Navy.

EXPERIENCE

CATEGORY: RI/FS

Technical Expert; Florida Department of Environmental Protection Targeted Brownfield Assessments and CERCLA Site Assessments, Multiple Sites within Florida, February, 2010 to Present. Mr. Lesesne is the Technical Expert for an FDEP contract to investigate and cleanup Targeted Brownfield Assessment sites and investigates State lead CERCLA sites. The contract requires hydrogeological site assessments including drilling and environmental sampling activities to determine nature, extent and source of contamination. He is responsible for reviewing reports prepared for Phase I and II Environmental Site Assessments (ESAs) conducted at sites suspected of having releases of hazardous chemicals to the environment and, where appropriate, Phase III ESAs are performed collecting additional environmental samples to support an assessment of the nature and extent of contamination and/or remediation efforts.

Technical Expert; Proposed Plans and Records of Decisions for Site 44, 45, and 46 NAS Pensacola; SOUTHNAVFACENGCOM; NAS Pensacola, Pensacola Florida; February 2010 to Present. Mr. Lesesne is responsible for completing Proposed Plans and Records of

Project Role:
Project Engineer

Education:
B.S., Geology, University of South Carolina, 1978

Registrations/Certifications:
Professional Geologist, Florida;
No. 1020

Loss Prevention and Liability Seminar, Law Engineering, 1987

OSHA 1910.120 40-Hour HAZWOPER Training; October/1986

OSHA 1910.120 8-Hour Refresher Training; January/2010

OSHA 1910.120 8-Hour Supervisory Training; January/2010

DOT 49 CFR Part 172 (H) Hazardous Materials General Awareness and Function Specific Training; February/1997

Office:
Tallahassee, Florida

Years of Experience:
32

Years with Tetra Tech:
2



Decisions for three Installation Restoration sites contaminated with volatile organic compounds, semivolatile organic compounds and/or metals. The decision documents include implementing the selected remedies specified in the ROD including excavation and disposal of contaminated soil, Land Use Controls, active groundwater remediation and groundwater monitoring.

Technical Expert; Remedial Investigation for Outlying Landing Field (OLF) Saufley, NAVFAC Southeast; Pensacola, Florida; May 2006 to Present. Mr. Lesesne is responsible for implementing a Remedial Investigation at Installation Restoration Sites at OLF Saufley Field. Previously environmental sampling had not been completed at the site. Work at the site includes completion of a file search, geophysical investigation, DPT soil borings, screening for excessively contaminated soils, installation of shallow, intermediate and deep monitoring wells using hollow stem augers, and roto sonic techniques, and the collection and analysis of soil and groundwater samples. Following completion of the investigation stages of the project, Mr. Lesesne is responsible for the completion of remedial investigation, feasibility study, proposed plans, and record of decision reports.

Technical Expert; RI/FS Naval Air Station (NAS) Whiting Field, Florida; U.S. Navy Southern Division Naval Facilities Engineering Command, CLEAN III and IV; Milton, Florida; February 2010 to Current; Project cost \$ 28 million. As Technical Expert for this National Priorities List (NPL) site, Mr. Lesesne is responsible for technical matters including: development of sampling plans; interpretation of data and summary report writing; oversight of the project team, and coordinating with federal and state environmental professionals. Currently the facility has 29 sites in the RI/FS program of which 26 have been closed with RODs completed since 2007.

Principal; Litigation Support, Marine Corps Logistics Base, Albany Georgia \$20, 000. Mr. Lesesne prepared a findings of fact report and court exhibits for the Judge Advocate General's office in contemplation of litigation and for the express purpose of assisting attorneys representing interests of the United States. The findings of fact report was prepared under the supervision of the Staff Judge Advocate, MCLB, Albany, Georgia. One hundred and two claims were filed against MCLB, Albany under the Federal Tort Claims Act based on the following allegations. The claims allege that contaminants originate from sources on MCLB, Albany property have migrated beyond base boundaries through transport by groundwater, and have trespassed onto property owned by private citizens residing in neighborhoods near MCLB, Albany. The claims allege that the presence of these groundwater contaminants has caused aggravation, inconvenience, injury, and damage to the claimant's person and/or property. Currently, the claimants have been reduced to 55 and Mr. Lesesne has prepared exhibits for display in court of pertinent facts regarding groundwater flow direction and the distribution of contaminants in the Floridan aquifer.



GOLDSTEIN BROWNFIELDS GROUP

March 11, 2011

A Full Service Brownfields Solutions Provider for Florida
Transactions | Cleanups | Capital | Incentives | Consulting

Mr. Sean Rome
Tetra Tech NUS, Inc.
8640 Philips Hwy., Suite 16
Jacksonville, Florida 32256

Subject: Letter of Reference
Brownfields Sites Redevelopment

Dear Mr. Rome:

The purpose of this letter is to summarize the outstanding qualifications of Tetra Tech NUS, Inc. (Tetra Tech) required by a business partner to successfully execute challenging projects, which the Goldstein Brownfields Group routinely pursues. The Tetra Tech Team of professionals excels in providing cost effective and technically innovative solutions to complex environmental problems. The Tetra Tech strengths I personally find most beneficial to overcoming common environmental concerns include the following:

- Working in partnership with federal and state regulators who oversee assessment and cleanup programs to identify regulatory requirements and project goals prior to commencing work;
- Developing streamlined work plans which incorporate innovative investigation strategies to more accurately define areas of concern while meeting project and regulatory objectives;
- Using state-of-the-art data management and GIS mapping tools to track and utilize field data to make timely regulatory decisions, and;
- Providing a highly trained team of experience professionals who are carefully selected and dedicated to achieve overall project success.

Because of these strengths Tetra Tech brings to our business, we look forward to our future environmental program work with you and the Tetra Tech Team.

Sincerely,

Michael Goldstein

www.goldbrowngroup.com

2730 SW 3rd Avenue, Suite 203
Miami, Florida 33129

T • 305-373-2929
F • 305-858-3358

Destined For A Change, Inc
Passing The Torch to Bring Change In The lives of Others

1809 Phoenix Avenue
Jacksonville, Florida, 32206
(905) 504-1711

Mr. Sean Rome
Tetra Tech NUS, Inc.
8640 Philips Hwy., Suite 16
Jacksonville, Florida 32256

**Subject: Letter of Reference
Former American Celcure Brownfields Site Redevelopment**

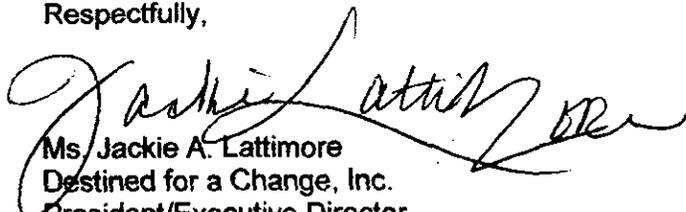
Dear Mr. Rome:

I'd like to thank Tetra Tech NUS, Inc. (Tetra Tech) and you personally for attending the Groundbreaking Celebration for our Eastside Emporium Plaza project last Thursday morning. Destined For A Change, Inc and it's Board of Directors expressed to everyone in attendance how instrumental Tetra Tech's work is to the overall continued success of this project. DFAC concur with City Councilman (7)- Dr. Johnny Gaffney accolades and look forward to an extremely successful Grand Opening Day when the hard work of everyone involved results in transforming our site from a neighborhood "eyesore" to a neighborhood beacon of commerce, hope and opportunity.

Back in 2005, we met to discuss what we thought it would take to navigate our hopeful ship on this journey. We have come a very long way and have realized more potential in ourselves, our project partners such as Tetra Tech, and our community than imaginable. There have been many challenges as you know, but Tetra Tech has risen to meet these challenges unique to a Brownfields project regardless of scale or scope. When particular skill sets have been required during this project, Tetra Tech promptly responds with talented professionals eager to energize the project with whatever it takes to promote success.

We commend you and your Team on a job very well done and soon on the reuse of a significant environmental liability in our community and expect that you will take as much pride in this accomplishment as we all should. I would highly recommend you and Tetra Tech to other concerned citizens trying to better their communities when overcoming environmental issues not always expected or well defined. Thank you again and we look forward to a glorious celebration near the end of 2011!

Respectfully,



Ms. Jackie A. Lattimore
Destined for a Change, Inc.
President/Executive Director
1809 Phoenix Avenue
Jacksonville, Florida 32206

GG/JL

Frontier Renewal

Mr. Sean Rome

Tetra Tech NUS, Inc.

8640 Philips Hwy., Suite 16

Jacksonville, Florida 32256

Subject: Letter of Reference
Brownfields Sites Redevelopment

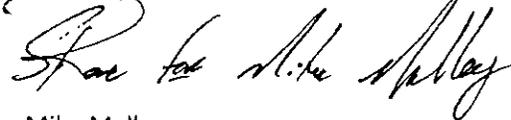
Dear Mr. Rome:

The purpose of this letter is to summarize the outstanding qualifications Tetra Tech NUS, Inc. (Tetra Tech), offers our company, Frontier Renewal, to successfully execute challenging projects we routinely pursue. The Tetra Tech Team of professionals, led by yourself, excels in providing cost effective and technically sound solutions to complex environmental situations. The Tetra Tech strengths that are the most benefit to overcoming common environmental concerns include the following:

- Working in partnership with federal and state regulators who oversee assessment and cleanup programs to identify regulatory requirements and project goals prior to commencing work;
- Developing streamlined work plans that incorporate innovative investigation strategies to more accurately define areas of concern while targeting project and regulatory objectives;
- Using state-of-the-art data management and GIS mapping tools to track and utilize field data such that timely regulatory decisions can be made while in the field at a minimal cost and with technical soundness, and;
- Providing a highly trained team of professionals who are chosen and "matched" to a project based on their unique training qualifications.

Because of these strengths Tetra Tech offers to our business and customers, we look forward to executing future environmental projects with you and the Tetra Tech Team.

Sincerely,



Mike Malley

Executive Vice-President

Frontier Renewal LLC

5555 DTC Parkway, Suite A3000
Greenwood Village, CO 80111

720.889.1200 Office
303.898.0870 Direct

PLANNING & DEVELOPMENT DEPARTMENT
Community Planning Division & Brownfields Program



March 7, 2011

Mr. Sean Rome
Tetra Tech NUS, Inc.
8640 Philips Hwy., Suite 16
Jacksonville, Florida 32256

Subject: Letter of Reference - Brownfields Sites Redevelopment

Dear Mr. Rome:

The City of Jacksonville is pleased to recognize Tetra Tech NUS, Inc. (Tetra Tech) for its outstanding performance and service to the City in support of assessment, remediation, and most importantly, redevelopment of Brownfields sites in communities desperate for growth and opportunity that come from revitalizing once blighted areas. Tetra Tech brings their vast experience working with the community and government agencies, their refreshing creativity to resolve complex issues, and their limitless tenacity to persevere and overcome the inevitable hurdles inherent to Brownfields projects.

Your strengths during the assessment and cleanup work at the Former American Celcure site on 8th Street included:

- Extremely capable project management and field oversight throughout the project;
- Alternative assessment options;
- Comprehensive soil and groundwater quality data interpretation,
- Creative soil disposal options;
- Prompt resolution of problems encountered during the project,
- Constant attention to schedule and budget and;
- Overall dedication to project success.

The City of Jacksonville views its relationship with Tetra Tech as an example of a very successful vendor partnership and I would be pleased to recommend your services to other City entities. I do so because I fully expect that Tetra Tech will provide others the same high quality and service provided to my department.

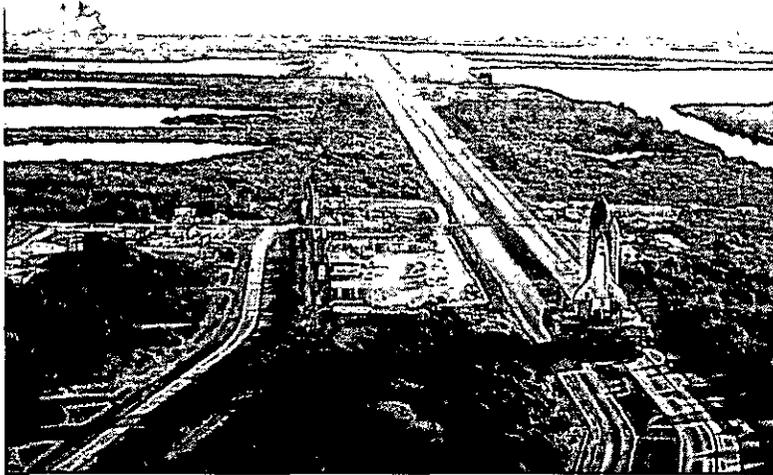
Sincerely,

A handwritten signature in cursive script that reads "Kenneth M. Pinnix".

Ken Pinnix,

Administrator, Brownfields, Historic Preservation and Community Planning

ATTACHMENT C
PROJECT DESCRIPTIONS

**Project Highlights:**

- ✓ Expedited site assessment leading to either site close-out (No Further Action) or remediation followed by site close-out.
- ✓ Utilized innovative, cost-effective technologies to complete assessment and remediation of various contaminant groups.
- ✓ Communicated effectively with the regulatory community and surrounding community to facilitate site activities.

FIRM RESPONSIBILITIES

In support of NASA's Kennedy Space Center (KSC), Environmental Remediation Program, Tetra Tech completed this project consisted of identification and evaluation of the Solid Waste Management Units (SWMUs) and areas of concern, as required by KSC's Resource Recovery and Conservation Act (RCRA) Permit. Tetra Tech conducted detailed records review, site interviews, and conducted soil, surface water and groundwater sampling in accordance with Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOPs). Contaminants of concern included regulated petroleum constituents, chlorinated solvents, metals and other Polychlorinated Biphenyls (PCBs). Tetra Tech completed Phase I and Phase II assessments for 24 sites. The sites evaluated include launch complex facilities, former storage yards, maintenance facilities, drum storage facilities, pesticide mixing areas, communication facilities, and various active industrial facilities associated with support of the shuttle mission. Examples of sampling activities performed included:

- Active groundwater contaminant delineation via mobile gas chromatograph and mass spectrometer laboratory and drill rig utilizing direct push technology (DPT).
- Groundwater contaminant plume vertical profiling utilizing auto sampler techniques.
- Monitoring well and temporary well installation and development.
- Various soil, sediment, surface and groundwater sampling for potential contaminants of concern based on historic site uses, and natural attenuation parameters (i.e., DO, sulfide, cations/anions, etc.).

Assessment of these facilities has led to numerous No Further Action designations by the FDEP and ongoing remediation events, included a dual phase steam injection treatment to remediate chlorinated solvents in groundwater and several in-situ chemical injection sites for chemical reduction/destruction of petroleum and chlorinated compounds.

Project Value:

\$>5 Million

Project Duration:

2005 to Ongoing

Project Staff:

Mark Speranza, PE

Gerry Walker, PG

Reference:

Harold Williams

(321) 867-8411



TETRA TECH

Florida Department of Environmental Protection CERCLA & Brownfields Sites

Multiple Sites in Florida



FIRM RESPONSIBILITIES

Under a six year contract with the Florida Department of Environmental Protection, Tetra Tech is addressed and investigated over 26 separate sites including 8 CERCLA sites and 18 Targeted Brownfield Assessment (TBA) sites. Work at the sites have included 10 Phase I Environmental Site Assessments, 4 source removal remedial actions, Preliminary Assessment Site Inspections, Environmental Site Assessments and Expanded Environmental site Assessments. Fieldwork and sampling efforts have included surface and subsurface soil sampling, monitoring well installation and sampling, DPT soil and groundwater investigations, Color Tech field screening surveys, surveying, sediment sampling, and geophysical investigations. To support the investigations Tetra Tech has completed detailed record searches; title searches; site reconnaissance; and interviews with regulators, facility managers, and historic site owners. Work has included the development of work plan and Health and Safety Plan packages, Quality Assurance Project Plans, Removal Completion Reports, and Remedial Action Completion Reports. Phase I Environmental Assessment Reports, and Preliminary Assessment/site Inspection Reports.

Specific sites have included:

- The Tallahassee Residence Inn TBA site where Tetra Tech was tasked to provide: all labor, materials, and equipment required for the transportation and disposal of the contaminated soils from the site located on Gaines Street in Tallahassee Florida. Tetra Tech obtained all required permits and transported and disposed of arsenic contaminated soil at an off-site RCRA-approved thermal treatment, storage, and disposal facility. The soil removal action included 3,796.64 tons of soil.
- A 368 acre property in Santa Rosa County, Florida where multiple Phase I Environmental Site Assessments were completed. Individual Phase I ESA were completed including: one global Phase I ESA for the entire industrial area property, four Phase I ESA on four individual contiguous parcels, and two Phase I ESA for non contiguous properties.

Project Highlights:

- Environmental Mite Assessment
- Multiphase Investigations
- Soil Removal & Remedial Actions

Project Value:

\$1,480,000

Project Duration:

April 1, 2005- April 1, 2011

Project Staff:

Gerald Walker, PG
Program Manager

Frank Lesesne, PG
Technical Expert

JD Spalding,
Geologist

Reference:

Florida Department of Environmental Protection
Bureau of Waste Cleanup
2600 Blair Stone Road
Tallahassee, Florida 32399

Mr. Joe McGarrity
850.591.2318
Joseph.McGarrity@dep.state.fl.us



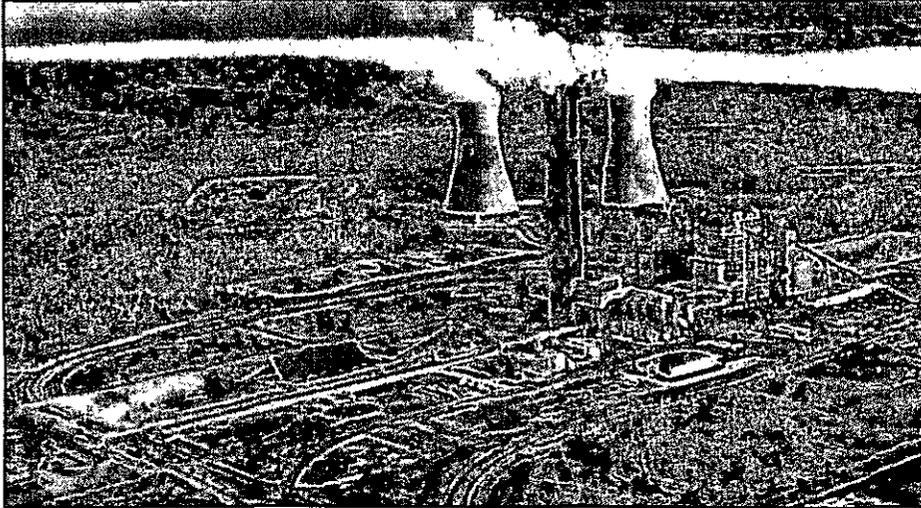
March 2011

BC-03-17-11-25



Environmental Engineering Services Contract

Orlando Utilities Commission
Orlando, Florida



Project Highlights:

- ✓ Provide Service Area Wide Environmental and Civil Engineering Services
- ✓ Awarded four subsequent contracts as a result of excellent technical and customer service
- ✓ Also hold contracts for solid waste, surveying, conservation and renewable energy services with client.

Project Value:

\$1.3M

Project Duration:

October 2008 to Ongoing

Project Staff:

Sean Rome
Frank Lesesne

Reference:

Mr. Charlie Doud, PE
(407) 423.9100

cdoud@ouc.com

FIRM RESPONSIBILITIES

Since late 2008, Tetra Tech has provided environmental and civil engineering support to Orlando Utilities Commission environmental, water, engineering, and power generation service lines. To date our five Central, Florida offices have completed work on more than 60 sites on time and under budget. The following list is a select sample of our projects

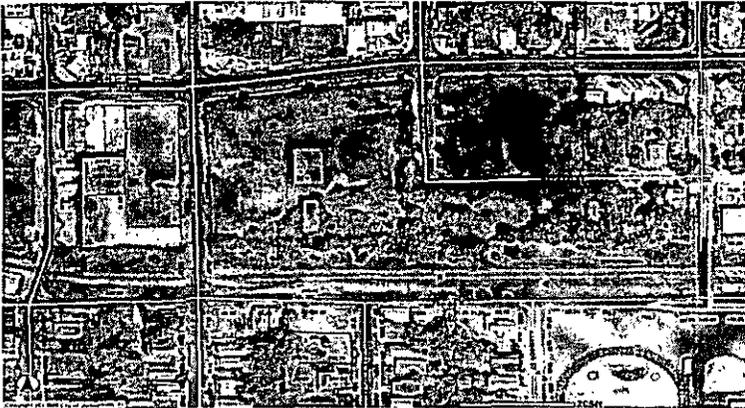
- Persian Street Site Assessment and Remedial Oversight
- Alafaya Trail Phase I ESA
- St. Cloud Landfill Gas to Energy Project
- SEC Landfill Design and Solid Waste Consulting Services
- RCW Survey and Five –Year Habitat Review
- Solar Energy Feasibility Study – Redditt Property
- Boggy Creek Wetland Delineation and Survey
- Persian Street Air Quality Investigation
- Environmental Management System Development and Deployment (ISO 14001)
- Numerous Environmental Compliance Services

The successful completion of these and other projects has led to the award of four additional contracts with OUC.



March 2011

BC-03-17-11-25



**FIRM
RESPONSIBILITIES**

Tetra Tech performed site assessment and soil remediation activities at the former American Celcure Site, a 2.5-acre former wood treatment site, located in Jacksonville, Florida. Operational history of the site included an onsite wood treatment processing area, fluids disposal pit and drum handling areas. Contaminants of concern at this site included chlorinated solvents, and heavy metals. In addition, polychlorinated biphenyls (PCBs) have migrated on the site from an adjacent, upgradient transformer repair and storage yard.

Tetra Tech conducted the pre and post confirmation soil sampling and managed the excavation, transportation and disposal of approximately 3,500 tons off non-PCB and 700 tons of PCB contaminated soils from the site. Tetra Tech and the City of Jacksonville were also successful at negotiated the use the non-PCB soils for internal daily cover at a local Subtitle D landfill free of charge. **This provided the City a cost savings of approximately \$133,000!**

Using Chapter 62-780, FAC, Tetra Tech is currently in the process of negotiating risk-based regulatory closure on site soils (i.e., statistical analyses, engineering and institutional controls), and working closely with the USEPA and FDEP to obtain similar regulatory closure with conditions on contaminated groundwater beneath the site.

In addition to the above, Tetra Tech is working with the Site Owners and the City to redevelop the site with an approximate 35,000 ft² shopping plaza. The plaza will be a flagship anchor for the local community offering retail stores in combination with suites allocated for community service out reach programs. According to the USEPA, this site is a strong candidate to receive the USEPA prestigious Phoenix Award granted to exemplary Brownfields Redevelopment Projects.

Project Highlights:

- ✓ USEPA Funded Brownfields project.
- ✓ Developed HASP and Coordinated Daily H&S Meetings
- ✓ Conducted extensive soil investigation
- ✓ Removed 4,200 tons of contaminated soils.
- ✓ Provided costs savings of \$133,000.
- ✓ No Further Action (conditional) determination from FDEP pending.

Project Value:
\$220,000 (To Date)

Project Duration:
October 2005 to Ongoing

Project Staff:
Sean Rome
Frank Lesesne

Reference:
Mr. Ken Pinnix
(904) 255-7831
kpinnix@coj.net





TETRA TECH

1558 Village Square Blvd., Suite 2, Tallahassee, FL 32309

850.385.9899

www.tetrattech.com



Leon County
Board of County Commissioners

March 17, 2011

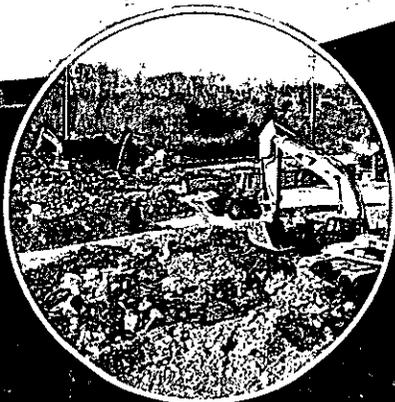
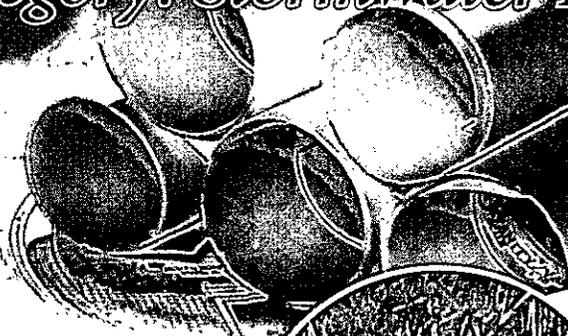
ORIGINAL

Proposal for:

Civil Engineering Services, Continuing Supply

Proposal Number BC-03-17-11-25

Work Category: Stormwater Engineering



TETRA TECH



March 17, 2010

Mr. Keith Roberts
Leon County Purchasing Division
1800 – 3 Blair Stone Road
Tallahassee, Florida 32308

Subject: Response to Proposal (RFP) for Civil Engineering Services, Continuing Supply
Leon County Board of County Commissioners
RFP 10 No. 2908OQ

Dear Mr. Roberts

Tetra Tech NUS (Tetra Tech) is pleased to present to the Leon County Board of County Commissioners our qualifications for subject RFP.

Tetra Tech is a worldwide leader in the civil engineering services including stormwater engineering, roadway design, geotechnical engineering, environmental engineering, and utility engineering. Our firm and our staff have successfully completed numerous similar projects for a variety of clients.

Tetra Tech is uniquely qualified to undertake the scope of services listed in the RFP for the following three reasons:

- Tetra Tech has complete in-house capabilities to perform Leon County's requested services.
- Tetra Tech has extensive experience in the select work categories.
- Tetra Tech has numerous Top Ten rankings, as reported by Engineering News Record (www.enr.com) in services related to this RFP including:
 - Water (Ranked No.1),
 - Water Supply and Treatment (Ranked No. 1)
 - Transmission Lines and Aqueducts (Ranked No. 1)
 - Overall Engineering and Design (Ranked No. 3)

We hope you will find we have carefully selected our team of experts to offer Leon County the best in civil engineering services.

In accordance with this RFP, please find one (1) original and three (3) sets per RFP prescribed Work Category of our qualifications are enclosed. We appreciate this opportunity to submit our qualifications and look forward to personally presenting our credentials. If you have any questions, please contact me at (850) 385. 9899 or via email at gerry.walker@tetrattech.com.

Sincerely,

A handwritten signature in cursive script that reads 'Gerry Walker'.

Gerry Walker
Tallahassee Location Manager

Tetra Tech NUS, Inc.
1558 Village Square Blvd., Suite 2 | Tallahassee, FL 32309
Tel 850.385.9899 Fax 850.385.9860 | www.tetrattech.com



A. CONTRACTOR INFORMATION

1. **Firm Name:** Tetra Tech NUS, Inc (Tetra Tech)
Contact Name: Gerry Walker, Location Manager
Business Address: 1558 Village Square Blvd., Suite 2, Tallahassee, FL 32309
Telephone Number: (850) 385.9899
Email Address: Gerry.Walker@tetratech.com
2. **Primary Office Address Performing the Work:** Same as above

B1. EXECUTIVE SUMMARY

Tetra Tech Inc. was founded in 1966 to provide engineering and environmental consulting services both federal and private sector clients. Tetra Tech Inc. now employs a staff of over 10,000 professionals in over 350 offices worldwide, including two offices in Tallahassee.

Tetra Tech is a worldwide provider of multi-disciplinary engineering, environmental and energy consulting services. We have expertise in all services required by the Leon County, including stormwater engineering, utility engineering, geotechnical engineering. Environmental support services, construction

Highlights of Tetra Tech include the following:

- Ranked Number 1 in ENR's Water Resource Firms.
- Ranked Number 1 in ENR's Water Supply and Treatment Firms.
- Ranked Number 1 in ENR's Transmission Lines and Aqueducts Firms.
- Ranked Number 1 in ENR's Top Water Resource Firms.
- Ranked Number 1 in Environmental Management.
- Ranked Number 2 in ENR's Environmental Science firms.
- Ranked Number 3 in ENR's Overall Engineering and Design Firms.
- Ranked Number 3 in ENR's Top Ten Solid Waste Firms (includes stormwater conveyance, modeling and design).
- Ranked Top Ten in ENR's Overall Power Consulting Services Firms.
- Ranked Top Ten in ENR's Overall General Building Design Consulting Services Firms.
- Ranked Number 8 in Engineering News Record's (ENR's) Top 500 Design Firms in 2010.
- Dunn & Bradstreet Financial Rating of 4A1





REQUEST FOR PROPOSALS CIVIL ENGINEERING SERVICES, CONTINUING CONTRACT

Our Federal Tax Identification No is 95-4660169, and our State of Florida Purchasing Subsystem Registration (SPURS) No. is F-954660169-003. We are professionally registered with the state and eligible for selection under FS.287.055.

For additional information regarding our firm, we invite OUC to visit online at www.tetrattech.com.

B2. DECLARATION

The aforementioned summary the contents of this RFP are presented in fair and good faith without collusion or fraud. The signer as presented in the attached required forms has the authority to bind principal proponent.

C. REQUIRED FORMS

The following forms are provided in Attachment A:

- Affidavit Certification Immigration Laws
- Equal Employment Policies
- Insurance Certification Form
- Certification Regarding Debarment, Suspension and Other Responsibility Matters Primary Covered Transactions,
- Local Vendor Certification Form





WORK CATEGORY: STORWATER ENGINEERING

Tetra Tech provides stormwater management and drainage engineering services for many municipal, public, and private clients throughout the State of Florida. We have prepared stormwater master plans for hundreds of thousands of acres of property in more than eight counties. Specifically, Tetra Tech has prepared full stormwater master plans for 11 communities within the past 15 years. We have also prepared stormwater management ordinances, designed policy and procedures manuals, and reviewed stormwater development applications for several communities throughout the State of Florida.

The following is a summary of Tetra Tech's stormwater services:

- Floodplain Management
- GASB 34 field documentation
 - Infrastructure field documentation utilizing GPS (sidewalks, roadways, drainage structures, street lighting, etc.)
 - GIS data input assistance
 - CIP assistance to maintain assets at or above established condition level
- Development of phased capital improvement programs
- Climate change adaptation
- Stormwater Master Planning
- Stormwater Permitting, point of discharge permitting, NPDES permitting
- Stormwater/Drainage design and BMP evaluation
- Water quality data interpretation and applied modeling analysis
- Hydraulic modeling analyses for drainage, streams, lakes and coastal environments, using USEPA and state-approved regulatory computer programs
- Natural system analysis
- TMDL compliance and monitoring
 - Section 303 (d) of Clean Water Act compliance assistance
 - Water Quality monitoring
 - Pollution load reduction
- Green design and Low Impact Development (LID) implementation
- NNC compliance planning

SPECIFIC PROPOSAL INFORMATION TO BE PROVIDED FOR EACH WORK CATEGORY

A. ABILITY OF PROFESSIONAL PERSONNEL

1. **Total Number of Personnel:** 21
Availability of Personnel: 24 hours from Notice to Proceed
2. **Resumes:** Resumes for key personnel are included in Attachment B.
3. **No outside consultants will be utilized for this Work Category**





**REQUEST FOR PROPOSALS
CIVIL ENGINEERING SERVICES, CONTINUING CONTRACT**

Our qualifications in the aforementioned focus areas are provided below. Our proposed project Team and project descriptions are located further in this section.

B. EXPERIENCE WITH PROJECTS OF SIMILAR TYPE AND SIZE

1. **LIST OF RELEVANT PROJECTS.** Project descriptions for our recently completed and ongoing projects are provided in Attachment C.
2. **ONGOING PROJECT NAMES AND DESCRIPTIONS.** A list of select ongoing projects is provided below.

**TABLE 1
LIST OF SELECT ONGOING PROJECTS**

PROJECT NAME	DESCRIPTION	TETRA TECH'S ROLE	KEY PERSONNEL
Key Biscayne Stormwater Master Plan (MP).	GIS Inventory, flood plan, CRS, modeling, LOS evaluation	Prime	Bomar, Musser
Hendry County Stormwater MP.	Inventory, modeling, CIP development, LOS evaluation	Prime	Cashe, Musser
City of Naples Stormwater MP.	Floodplain, tidal water rise, water quality, CIP development	Prime	Cashe, Musser
Deltona Stormwater MP Updates.	Inventory, GIS, water rise analysis modeling, permitting	Prime	Cashe, Musser, Warner
Minneola CIP Phase Projects CIP of Stormwater MP.	Survey, GIS, design, permitting, modeling, administration	Prime	Cashe, Musser, Bomar
Orange City CIP Implementation of Stormwater MP.	Survey, GIS, design, permitting, modeling, cost administration	Prime	Cashe, Musser
Deltona Annual CIP projects from Stormwater MP Updates	Survey, GIS, design, permitting, modeling, construction administration	Prime	Cashe, Musser





**REQUEST FOR PROPOSALS
CIVIL ENGINEERING SERVICES, CONTINUING CONTRACT**

PROJECT NAME	DESCRIPTION	TETRA TECH'S ROLE	KEY PERSONNEL
East County Water Control District Harns Marsh.	H&H modeling, control structure design and permitting	Prime	Cashe, Musser, Bomar

A detailed list of projects is available upon request.

3. FIRM PROCESS AND PROCEDURES FOR DESIGN STANDARDS AND/OR REGULATORY DIRECTION

To enable quality engineering services for Leon County, Tetra Tech maintains and facilitates efficient use of a library of current industry standards in an electronic database. All specifications are prepared in conformance with the Construction Specifications Institute and/or client specific requirements.

Tetra Tech conforms to all applicable design and regulatory requirements specific to each project. We have prepared stormwater management ordinances, designed policy and procedures manuals, and reviewed stormwater development applications for communities throughout the State of Florida.

Tetra Tech assists municipalities in creating stormwater utilities and recapturing stormwater for beneficial use. Many projects require the acquisition of environmental permits from various effected agencies. Tetra Tech staff has comprehensive experience with all applicable environmental permitting agencies and have established a rapport with agency staff members. We have successfully permitted projects with nutrient load reduction goals in Central Florida watersheds.

Tetra Tech is also a leader in regional water resource watershed modeling for water management districts. In addition, we assisted the USEPA with development of TMDL requirements and modeling development, and have recently become involved with assisting the USEPA with modeling support for the development of NNC.

4. FIRM BASIC AND SPECIAL RESOURCES

Facilities

Our Tallahassee office location operates using state of the art computer facilities and transfer information electronically on T1 and/or DSL communication lines. All of our office locations are staffed from 8 am to 6 pm and we offer full print services and report reproduction centers.

Available Field Equipment

Tetra Tech owns numerous types of equipment necessary to complete a variety of projects. Tetra Tech personnel are highly trained in the use of this equipment. A sample list of our available equipment is provided below.





Vehicles

- CME 75 Drill Rig
- (11) CME 55 Drill Rig
- (11) CME 45B includes mud bug
- Geoprobe 6610 Track-mounted DPT Rig
- 20 Ton Cone Rig (mechanical & electrical) (1)
- Barge Mounted Drilling Platform 10' x 20'
- 4 x 4-wheel Drive Trucks
- Company Support Vehicles
- Slate Bed Trucks w/ lift gate

Marine Vessels

- 211 Mako CC Boat w/ 200 HP engine
- 13' Diamondback Airboat
- 16' Carolina Skiff w/ 25 HP engine
- 12' Jonboat w/ GoDevil
- 10' Jonboat

Geophysical Equipment

- Geonics EM 34-3 Electromagnetic Terrain Conductivity Meter
- Stinger RI Earth Resistivity Meter
- EG&G Geometrics Model G - 816/826A - Portable Magnetometer

Soil Sampling Equipment:

- Split-Spoon Samplers
- Augers 4' Vehicle, 7" Hollow Stem, 10" Hollow Stem
- Drive heads
- Piston samplers
- Osterburg samplers
- Pitcher sampler
- 5 foot long U.S. Corps of Engineers sampling spoon
- HW Core Barrel
- NX Core Barrel
- NQ Wire Line
- HQ Core Barrel
- PQ Core Barrel
- Mineral Exploration Barrels 4"
- Split-Spoon Samplers
- Drive heads
- Piston samplers
- Osterburg samplers
- Pitcher sampler
- 5 foot long U.S. Corps of Engineers sampling spoon
- HW Core Barrel
- NX Core Barrel
- NQ Wire Line
- HQ Core Barrel
- PQ Core Barrel
- Mineral Exploration Barrels 4"
- Sediment Dredge
- Ponar Dredge
- Core Samplers, Sediment
- Soil Gas Vapor Probes



Groundwater Sampling Equipment:

- Temp/pH/Conductivity Meters
- Reduction/Oxidation Meters
- YSI 556 Portable Well Point Water Quality Sampler
- LaMotte Model 2020 Turbidity Meter
- Dissolved Oxygen Meters
- Water Level Indicators
- Geotech 2 Peristaltic Pumps
- Portable Field Lab Colorimeter (Hach DR-890)
- Various CHEMetrics field test kits
- YSI 556 Portable Well Point Water Quality Sampler
- 3" diameter submersible pump
- Oil/Water Interface Probes
- Grout pumps
- Teflon bailers, 1.6 inch diameter/24 inch long
- Bailers (Stainless Steel)
- Orion Field pH and redox potential meter (Model 231)
- Horizon Field pH meter (Model 5995-30)
- Masterflex High and Low Capacity peristaltic well sampling pumps
- Nitrogen lift well sampler
- Price Current Meter
- Pygmy Current Meter
- 4-foot self setting wading rod
- Data Logger
- Handline Equipment including 15 and 30-lb. weights
- In-situ Water Sampler - (proprietary) - can recover up to 950cc sample to 200-feet deep

Survey Equipment

- Surveyor Levels/Rods
- Surveyor Transits
- Gamin GPS 72
- Tremble DGPSs, Model PROXRS

Air Sampling Equipment:

- Flame Ionization Detectors (FIDs)
- Photoionization Detectors (PIDs) / HNu PIDs
- Air Sampling Pumps
- Portable Gas Chromatographs
- Explosimeters
- Tedlar Bags



Miscellaneous Equipment:

- Laptop computers
- Cellular Phones
- Digital Cameras

Equipment not listed above but required for this project is included as a rental.

C. WILLINGESS TO MEET SCHEDULE AND BUDGET REQUIREMENTS

Schedule

Tetra Tech will meet project and reporting deadlines as required for each project under this contract with Leon County. We currently work on many sites under regulatory authority of many government agencies. As such, we are well versed in reporting under each agency. We also work with many clients and agencies that have specific reporting deadlines that must be met in a timely manner. To help us meet these schedule deadlines we currently use project management software to assist in schedule and financial tracking, such as Primavera Project Planner (P3), Sure Track Project Manager, and Microsoft Project.

Many of our clients also require weekly and/or monthly contract/project updates. We routinely produce numerous monthly status reports that accompany percent complete schedules on a contract and/or project basis.

Budget

Tetra Tech's expertise in this industry offers Leon County the ability to connect the appropriate market costs to any service requested. We utilize extensive cost models to not only ensure internal financial control, but we are able to present out project costs with sufficient detail to our clients allowing individual line item analysis.

Our cost estimates for projects include costs for capital and for annual operation and maintenance. Present worth costs and sensitivity analyses are also provided by Tetra Tech. Cost estimates are generated from a computer database to allow timely and efficient updates and to provide detailed pricing for projects.

Cost control is monitored and regulated by an internal control system linked to our central accounting and contracting database. This Oracle instance database allows our project managers to:

- Establish costs on a task by task basis to control/monitor spending
- View and evaluate project costs in real-time instances
- Forecast cost to be incurred to ensure costs are not exceeded.



D. EFFECT OF FIRM'S RECENT, CURRENT, AND PROJECTED WORKLOAD.

Tetra Tech is one of the largest sources for engineering, consulting, management, environmental services and construction services. The size and diversity of Tetra Tech allows us to meet client work requirements during periods of high demand through accessing our extensive resources.

Our FY11 current and projected Contract Work Load Capacity is approximately \$102 Million. Our current actual workload capacity is approximately \$65 Million. As a result, we have 36% additional staff resources to dedicate to this contract.

Additionally, we examined our capabilities to respond and complete work from several key perspectives: workload demands versus present contract assessments of total backlog and revenue capacity, as well as the depth in the key technical disciplines potentially impacted by our existing contract workload.

In assessing our overall capacity to successfully undertake projects to be awarded by Leon County, we carefully examined the key disciplines in relation to the total personnel available within Tetra Tech. Results of this examination are presented on Table 2 below.

**Table 2
Work Load Capacity**

REQUIRED KEY DISCIPLINE	NUMBER OF APPLICABLE TETRA TECH PERSONNEL	ESTIMATED NUMBER OF FTE'S REQUIRED FOR LEON COUNTY CONTRACT	% PERSONNEL IMPACTED
Civil Engineer	490	8	<2%
Geotechnical Engineer	112	2	2%
Electrical Engineer	50	1	2%
Mechanical Engineer	75	1	2%
Construction Manager	75	4	5%
H&S Specialist (i.e., CIH, CSP)	176	2	>1%
Regulatory Specialist	75	2	2%

Our key personnel proposed for this project will be available and dedicated to serve Leon County throughout the duration of this project.

E. EFFECT OF PROJECT TEAM LOCATION

The primary office location to respond to and provide services for Leon County is located in Tallahassee, Florida at 1558 Village Square Blvd., Suite 2. The following Florida office locations may provide remote design and/or engineering support to the primary office location on an as needed basis.



**Request for Proposals
CIVIL ENGINEERING SERVICES, CONTINUING SUPPLY**

**Table 3
Tetra Tech Florida Office Locations**

STATE REGION	OFFICE LOCATION	STATE REGION	OFFICE LOCATION
Central	1525 Centennial Dr. Bartow, FL 33831	Southeast	1901 S. Congress Ave. Ste. 200 Boynton Beach, FL 33426
	11 Riverside Dr. Ste. 205 Cocoa, FL 32922		1401 E. Broward Blvd. Ste. 302 Ft. Lauderdale, FL 33301
	1300 N. Cocoa Blvd., Cocoa, FL 32922		2608 W. 84th St. Hialeah, FL 33016
	3220 W. County Road 630 Fort Meade, FL 33841		8550 NW 33 Street Miami, FL 33142
	201 E. Pine St. Ste. 1000 Orlando, FL 32801		460 NW Concourse Pl. Ste. 1 Port St. Lucie, FL 34986
	8008 S. Orange Ave. Orlando, FL 32809		759 S. Federal Hwy. Stuart, FL 34994-2936
	4012 Gunn Highway Ste. 140 Tampa, FL 33618		2200 N. Florida Mango Rd. Ste. 101 West Palm Beach, FL 33409
Northeast	8640 Philips Hwy. Ste. 16 Jacksonville, FL 32256	Southwest	9970 Bavaria Rd. Fort Myers, FL 33913
Northwest	12815 Emerald Coast Pkwy. Ste. 110 Destin, FL 32550		740 Tamiami Trail Unit 3 Port Charlotte, FL 33954
	10600 Chevrolet Way Estero, FL 33928		78 Sarasota Center Dr. Sarasota, FL 34240



F. APPROACH TO THE PROJECT

In summary, projects awarded to Tetra Tech will be managed by in our Tallahassee Office by Mr. Gerry Walker, Tallahassee Location Manager. Mr. Walker will carefully match the appropriate staff and resources necessary to successfully complete the project. Prior to receipt of any award, the appropriate Leon County personnel will review our technical scope, anticipated delivery schedule and proposed project budget. This review and communication process allows for a seamless connection to Leon County's end vision for the project and sets aside all budget and schedule requirements on the front end to avoid any potential pitfalls upon project closure.

ATTACHMENT A
RFP REQUIRED FORMS

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply
 Proposal Number: BC-03-17-11-25
 Opening Date: Thursday, March 17, 2011 at 2:00 PM

PROPOSAL RESPONSE COVER SHEET

THIS PAGE IS TO BE COMPLETED AND INCLUDED AS THE COVER SHEET FOR YOUR RESPONSE TO THE REQUEST FOR PROPOSALS.

The Board of County Commissioners, Leon County, reserves the right to accept or reject any and/or all bids in the best interest of Leon County.

Keith M. Roberts, Purchasing Director

John Dailey, Chairman
 Leon County Board of County Commissioners

This bid response is submitted by the below named firm/individual by the undersigned authorized representative.

BY Tetra Tech NUS (Firm Name)
Michael S Rome (Authorized Representative)
 Sean Rome, Operations Manager (Printed or Typed Name)
 ADDRESS 8640 Philips Highway, Suite 16
 CITY, STATE, ZIP Jacksonville, Florida 32256
 TELEPHONE (904) 540-6918
 FAX (904) 636-6165

ADDENDA ACKNOWLEDGMENTS: (IF APPLICABLE)

Addendum #1 dated 3/3/2011 Initials SR Addendum #3 dated _____ Initials _____
 Addendum #2 dated 3/8/2011 Initials SR Addendum #4 dated _____ Initials _____

PLEASE MARK WHICH CATEGORIES FOR WHICH YOU WISH TO BE CONSIDERED:

- a. Stormwater Engineering
- b. Roadway Design
- c. Traffic and Intersection Engineering
- d. Structural Engineering
- e. Geotechnical Services
- f. Environmental Support Services
- g. Construction Engineering and Inspection Services
- h. Surveying
- i. Subdivision and Site Development Engineering
- j. Parks and Recreational Facility Engineering
- k. Utility Engineering

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply
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**AFFIDAVIT CERTIFICATION
IMMIGRATION LAWS**

Leon County will not intentionally award County contracts to any contractor who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324 A(e) {Section 274a(e) of the Immigration and Nationality Act ("INA").

Leon County may consider the employment by any Contractor of Unauthorized Aliens a violation of Section 274A(e) of the INA. Such violation by the Recipient of the employment provision contained in Section 274A(e) of the INA shall be ground for unilateral cancellation of the contract by Leon County.

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

Company Name: Tetra Tech NUS, Inc.

Signature: *Janet M. Mandel* Title: Director: Contracts & Pricing
Janet M. Mandel

STATE OF Maryland
COUNTY OF Montgomery

Sworn to and subscribed before me this 22nd day of Feb., 2011.

Personally known ✓

Patricia A. Brown
NOTARY PUBLIC

OR Produced identification _____

Notary Public - State of Maryland

(Type of identification)

My commission expires: March 14, 2012
Patricia A. Brown
Printed, typed, or stamped
commissioned name of notary public

The signee of this Affidavit guarantees, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made.

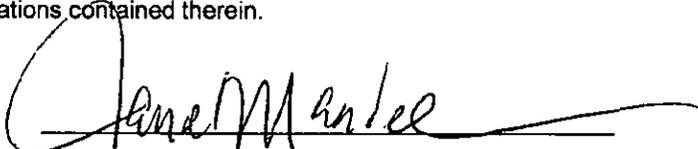
**LEON COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION,
AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal Number: BC-03-17-11-25
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EQUAL OPPORTUNITY/AFFIRMATIVE ACTION STATEMENT

1. The contractors and all subcontractors hereby agree to a commitment to the principles and practices of equal opportunity in employment and to comply with the letter and spirit of federal, state, and local laws and regulations prohibiting discrimination based on race, color, religion, national region, sex, age, handicap, marital status, and political affiliation or belief.
2. The contractor agrees to comply with Executive Order 11246, as amended, and to comply with specific affirmative action obligations contained therein.

Signed:



Title:

Janet M. Mandel; Director, Contracts & Pricing

Firm:

Tetra Tech NUS, Inc.

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal Number: BC-03-17-11-25
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INSURANCE CERTIFICATION FORM

To indicate that Bidder/Respondent understands and is able to comply with the required insurance, as stated in the bid/RFP document, Bidder/Respondent shall submit this insurance sign-off form, signed by the company Risk Manager or authorized manager with risk authority.

A. Is/are the insurer(s) to be used for all required insurance (except Workers' Compensation) listed by Best with a rating of no less than A:VII?

YES NO

Commercial General Liability: Indicate Best Rating: A XV (USA)
Indicate Best Financial Classification: N/A

Business Auto: Indicate Best Rating: A XV
Indicate Best Financial Classification: N/A

Professional Liability: Indicate Best Rating: A XV
Indicate Best Financial Classification: N/A

1. Is the insurer to be used for Workers' Compensation insurance listed by Best with a rating of no less than A:VII?

YES NO

Indicate Best Rating: A XV
Indicate Best Financial Classification: N/A

If answer is NO, provide name and address of insurer:

2. Is the Respondent able to obtain insurance in the following limits (next page) for this professional services agreement?

YES NO

Insurance will be placed with Florida admitted insurers unless otherwise accepted by Leon County. Insurers will have A.M. Best ratings of no less than A:VII unless otherwise accepted by Leon County.

Required Coverage and Limits

The required types and limits of coverage for this bid/request for proposals are contained within the solicitation package. Be sure to carefully review and ascertain that bidder/proposer either has coverage or will place coverage at these or higher levels.

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply
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Required Policy Endorsements and Documentation

Certificate of Insurance will be provided evidencing placement of each insurance policy responding to requirements of the contract.

Deductibles and Self-Insured Retentions \$250,000 Deductible

Any deductibles or self-insured retentions must be declared to and approved by the County. At the option of the County, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the County, its officers, officials, employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Endorsements to insurance policies will be provided as follows:

Additional insured (Leon County, Florida, its Officers, employees and volunteers) -
General Liability & Automobile Liability

Primary and not contributing coverage-
General Liability & Automobile Liability

Waiver of Subrogation (Leon County, Florida, its officers, employees and volunteers)- General
Liability, Automobile Liability, Workers' Compensation and Employer's Liability

Thirty days advance written notice of cancellation to County - General Liability,
Automobile Liability, Worker's Compensation & Employer's Liability.

Professional Liability Policy Declaration sheet as well as claims procedures for each applicable policy to be provided

Please mark the appropriate box:

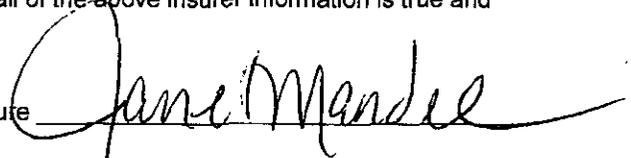
Coverage is in place

Coverage will be placed, without exception

The undersigned declares under penalty of perjury that all of the above insurer information is true and correct.

Name Janet M. Mandel
Typed or Printed

Signature



Date February 22, 2011

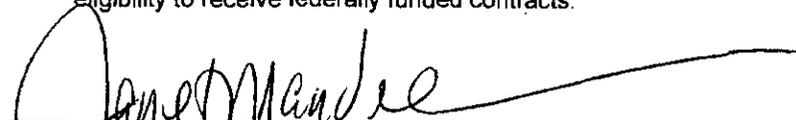
Title Director, Contracts & Pricing
(Company Risk Manager or Manager with Risk

Authority)

RFP Title: Request for Proposals for Civil Engineering Services, Continuing Supply
Proposal Number: BC-03-17-11-25
Opening Date: Thursday, March 17, 2011 at 2:00 PM

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
And OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTIONS**

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - b) Have not within a three-year period preceding this been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of these offenses enumerated in paragraph (1)(b) of this certification; and
 - d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.
3. No subcontract will be issued for this project to any party which is debarred or suspended from eligibility to receive federally funded contracts.



Signature Janet M. Mandel

Director, Contracts & Pricing
Title

Tetra Tech NUS, Inc.

Contractor/Firm

1558 Village Square Blvd., Suite 2, Tallahassee, FL 32309

Address

LOCAL VENDOR CERTIFICATION

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

- a) Has had a fixed office or distribution point located in and having a street address within Leon, Gadsden, Wakulla, or Jefferson County for at least six (6) months immediately prior to the issuance of the request for competitive bids or request for proposals by the County; and
- b) Holds any business license required by Leon County (or one of the other local counties), and, if applicable, the City of Tallahassee; and
- c) Is the principal offeror who is a single offeror; a business which is the prime contractor and not a subcontractor; or a partner or joint venturer submitting an offer in conjunction with other businesses.

Please complete the following in support of the self-certification and submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name: <u>Tetra Tech NUS, Inc.</u>	
Current Local Address: <u>1558 Village Square Blvd., Suite 2 Tallahassee, FL 32309</u>	Phone: (850) <u>385-9899</u> Fax: (850) <u>385-9860</u>
If the above address has been for less than six months, please provide the prior address. 	
Length of time at this address: 	
Home Office Address: <u>661 Andersen Drive Pittsburgh, PA 15220</u>	Phone: (412) <u>921-7090</u> Fax: (412) <u>921-4040</u>

James Mandel _____ Date 02/22/2011
Signature of Authorized Representative

STATE OF Maryland
COUNTY OF Montgomery

The foregoing instrument was acknowledged before me this 22nd day of Feb., 2011.

By James M. Mandel _____ of Tetra Tech NUS, Inc. _____
(Name of officer or agent, title of officer or agent) (Name of corporation acknowledging)

a Delaware _____ corporation, on behalf of the corporation. He/she is personally known to me
(State or place of incorporation)

or has produced State of Maryland drivers license _____ as identification.
(type of identification)

Patricia A. Brown _____
Signature of Notary
Patricia A. Brown
Print, Type or Stamp Name of Notary
Contracts Admin / FSO
Title or Rank
N/A
Serial Number, If Any

Return Completed form with supporting documents to:

**Leon County Purchasing Division
1800-3 Blair Stone Road
Tallahassee, Florida 32308**

ATTACHMENT B
RESUMES OF KEY PERSONNEL



Mr. Cashe has a broad range of civil engineering experience. As a Project Manager, he has developed extensive experience in the design, permitting, and construction administration of stormwater management infrastructure and Best Management Practices (BMP) systems for both public and private interests. He also has expertise in preparing stormwater management master plans for public and private clients. Master plans for the public primarily involved the inventory and mapping of infrastructure, H&H modeling for alternative solutions to problem areas, and financial plans for management of stormwater programs. On the private side, he managed plans that established cost-effective stormwater management facilities for optimum developable area. In addition, he has extensive experience with the FEMA map revision process for management of flood plains. He has extensive computer modeling experience and capabilities in a wide range of software applications that include AdICPR, HEC-RAS, POND5, MODRET, StormCAD, WaterCAD, FDOT Box Culvert Design, HY-8 and others.

EXPERIENCE

Stormwater

City of Edgewater, Florida – Assisted as Project Engineer on a comprehensive stormwater master plan, which included recommendations to alleviate flooding and the preparation preliminary cost prioritization tables.

Stormwater Master Plan Update, City of Deltona, Florida – Project Manager for updating the adopted 1998 Stormwater Master Plan, including H&H modeling for select drainage basins to establish provisional BFEs attached to the next FEMA LOMR application by the City. Also includes updating the CIP list and R&R projects so that the stormwater budget can be refined. In addition, it includes an update to a financial analysis of the stormwater management program to assess potential changes to their storm water utility fee.

Stormwater Master Plan, City of Bonita Springs, Florida – Project Manager. Forty square miles of land lie within City limits and the population is 60,000 during the peak season (winter). Plan prioritized flooding problems and contained a preliminary AdICPR analysis of the top three problem areas. Top problem area involved modeling the hydraulic conditions for the Imperial River containing a watershed of over 55,000-acres. River section flooded within the City and displaced more than 120 residents and shutdown an evacuation route.

City of Flagler Beach, Florida – Project Manager. Inventory and mapping using GPS; establishment of LOS and prioritization procedure; water quality and quantity assessments; financial resource plan; engineering analysis; and funding mechanisms. Assisted the City in obtaining a SJRWMD Cost-Sharing grant of \$40,000 to fund a portion of the engineering fee for the Master Plan which included a five-year CIP to fund the City's six top projects.

Walton County, Florida – Lead Technical Professional. Project area encompasses entire county and includes data gathering and needs assessment; inventory and mapping; LOS establishment and prioritization criteria; O&M requirements and practices; water quantity/quality assessment; a Financial Resource Plan for funding future improvements; and recommendations for retrofit remediation of top projects.

Education:

B.S., Civil Engineering,
University of Florida, 1987

Graduate Courses at the
University of Central Florida

Registrations/Certifications:

Professional Engineer, Florida,
No. 45169

National Construction
Documents Technologist (CDT)

FDEP Qualified Stormwater
Management Inspector, No.
5366

Professional Affiliations:

American Society of Civil
Engineers

Office:

Orlando, Florida

Years of Experience:

23

Years with Tetra Tech:

17





Stormwater Master Plan, City of Orange City, Florida, Project Manager for Phases I through IV of the citywide stormwater master plan which included the preparation of maps containing city stormwater infrastructure. Master plan also included the development of a prioritization procedure to objectively rank stormwater projects and Levels of Service standards to classify the serviceability of city infrastructure.

Major Infrastructure Improvements

Harns Marsh Regional Stormwater Treatment Facility, ECWCD, Florida – Project Manager for the preparation of a study and design/permitting services to implement improvements to the facility that could increase its attenuation capacity and improve water quality provisions. Design services consisted of five regional control structures controlling flows from 400 to 2,000 CFS with telemetric controls and generators to provide back-up power for slide gate controls. System consists of two reservoirs (a total of 600 acres) bisected by a 200-foot wide flow way. Upstream watershed consists of approximately 311 miles of canals draining approximately 49 square miles of residential and commercial areas. **The ECWCD, was awarded Water Control District of the Year honor by the Florida Association of Control Districts. Project also has the distinction of being the first ARRA-funded project completed in Florida.**

Stormwater Pump Station Projects for Flood Control – Responsible for hydrology and hydraulic analysis for these projects. (1). Hayes Reservoir Improvements for City of Panama City Beach; Project Manager responsible for triplex system designed to convey 150 CFS through 36” forcemain using 100 HP pumps. (2). City of Deltona Tivoli Lake Pumping System; Project Manager for engineering design and permitting of a duplex system with 25 HP pumps equipped to convey 6 CFS. (3). City of Deltona Piedmont Lake System; Project Manager for engineering services to replace low flow pump station for drawing to down the lake with a high flow system capable of providing flood protection. New system will consist of a duplex system with 20 HP pumps having the capacity to remove 5 CFS from a lake system with chronic flooding. (4). City of Deltona Lake Lapanocia System Retrofit; Project Manager for engineering services to replace low flow pump station for drawing to down the lake with a high flow system capable of providing flood protection. New system will consist of a duplex system with 25 HP pumps having the capacity to remove 5 CFS from this lake system. (5). City of Deltona Drysdale/Chapel Drive Flood Control Improvements; construction of two duplex pump stations in series each with 10 HP pumps required to convey 2 CFS into a series of reservoir systems to recharge the flood water. (6). City of Orange City Industrial Park – Design and permitting to install a duplex pump station with 25 HP pumps. Station has a pump capacity of 2 CFS and discharges flood water into a holding area for recharge.

Summary of Stormwater Pump Station Design and/or Refurbishment:

- Panama City Beach – Hayes Reservoir Triplex – 150 cfs through 3x100 HP pumps and 36” FM
- City of Deltona – Lake Tivoli Duplex – 6 cfs through 2x25 HP pumps and 16” FM
- City of Deltona – Piedmont Lake Duplex – 5 cfs through 2x20 HP pumps and 12”FM
- City of Deltona – Lake Lapanocia Duplex – 5 cfs through 2x25 HP pumps and 12” FM
- City of Deltona – Drysdale Chapel Twin Duplex – 2 cfs through 4x10 HP pumps and 8” FM
- City of Deltona – Lake Monroe Regional Treatment Duplex – 2 cfs through 2x25 HP pumps and 12”FM
- City of Deltona – Lake Norwood Duplex – maintenance, refurbishment and erosion stabilization
- City of Deltona – Lake Baton Duplex – repair and restoration and relocation 8”FM
- Orange City – Industrial Park Duplex – 2 cfs through 2x25 HP pumps and 6”FM
- SeaWorld – Canal Irrigation Duplex – 1 cfs thru 2x10 HP VTPs and 4”FM
- City of Live Oak – Suwanee HS Duplex – structural modifications to raise the containment



Sanitary Pump Station Civil Site Design (grading, drainage, stabilizations, dewatering, access and perimeter):

- 1996 Regency Industrial Park – Regional Sanitary Duplex #1 – 20 feet deep 2x20 HP pumps
- 1997 Regency Industrial Park – Regional Sanitary Duplex #2 – 20 feet deep 2x20 HP pumps
- 1998 New Smyrna Beach UC – WWTP pump stations and pumping facilities – 6MGD
- 2000 St. Johns County – NW Master WW LS – relocation and civil site support – 1MGD
- 2000 Alamo Rent a Car – Orlando International MCO stations (3) – demolition and erosion control
- 2000 Wycliffe – International Headquarters Orlando – WW duplex LS
- 2005 Toho Water Authority – Poinciana WWTP#5 pump stations and pumping facilities – 1 MGD
- 2006 Marion County – Spruce Creek WW triplex LS
- 2006 Marion County – Silver Springs WWTP pump stations and pumping facilities – 1.5 MGD
- 2007 Toho Water Authority – Poinciana WWTP#2 pump stations and pumping facilities – 3 MGD
- 2007 Toho Water Authority – Western Service Area Reuse storage LS and pumps
- 2008 St. Johns County – WW Duplex PS – refurbishment and upgrade and civil site support
- 2008 Orange County PU – Pepper Mill WW Pump Station#3456 – rehab/reconstruction/grading/access.
- 2009 FDOC – Avon Park Correctional Institution – WWT pumping facilities 1MGD
- 2009 FDOC – Lowell Correctional Institution – WWT pumping facilities 2MGD
- 2008 St. Johns County – WW/reclaimed Booster PS – access drive and civil support 2x50 HP
- 2010 Orange County PU – Pump Station #3186 Duplex - demolition and rehab/reconstruction 0.5 MGD
- 2010 Orange County PU – Pump Station #3123 Duplex - demolition and rehab/reconstruction 0.4 MGD
- 2010 City of Naples – Solana Road WW PS – civil support and sidewalks
- 2007 City of Deltona – Elkhart Blvd. WW Triplex PS – replacing and restoration civil support 2MGD

Theresa Basin Emergency High Level Overflow, City of Deltona, Florida – Project Manager and Lead Design Professional for conducting hydrologic and hydraulic modeling and preparing construction documents to install the infrastructure to connect the 35-square mile landlocked Theresa basin to Lake Monroe to provide a high-level overflow for chronic rainfall cycles. Infrastructure consisted of 66-inch diameter pipe and four regional variable flow control structures. Project also included a water quality mitigation plan using impaired water body limitations for TN and TP concentrations in Lake Monroe.

Infrastructure Design of City-Wide Capital Improvement Program, Florida Shores, Florida – Lead Technical Professional for the design and model for the retrofitting of drainage system improvements for a 2,500-acre subdivision in Volusia County. Analysis included swale, culvert and retention pond design for nearly 80 miles of roadway, as well as canals of which some were converted to on-line detention facilities.

Various Public Stormwater Management Studies and Design Projects

San Souci West Units 1 & 2 H&H Study, City of Jacksonville, Florida – Project Manager for study conducted to alleviate structural flooding in a residential area. Used AdICPR to analyze a 1,150 acre drainage basin consisting of 3.5 miles of canals and road crossings.

Continuing Services (On-Call Consultant), City of Deltona, Florida – Managed the completion of engineering design, permitting, and construction administration for several stormwater retrofit projects in the City. Also served as Project Manager for more than five emergency pumping authorizations from the St. Johns River Water Management District to alleviate flooding as a result of 92 inches of rain in 2002.

H&H Modeling, Rollings Ranch, Florida – Project Manager. Involved in an H&H analysis consisting of 20,000 acres (31 square miles) of agricultural property. Project involved more than 10 miles of regional canals and reservoirs that had to be calibrated to observed data accumulated over time by continuous data collections. Project was complicated by its hydraulic and hydrologic connection to the Upper St. Johns River Marsh Area.





Cyclonic Best Management Practice (BMP) Design, City of Crystal River, Florida – Project Manager. Conducted H&H analysis and design of three pre-cast liquid-solid separator units. Units are part of the latest innovative BMP technology for the control of sediments and litter into receiving waters and are manufactured by CDS Technologies and utilize a vortex technology to separate solids from storm sewer systems and canals. The three separate projects were all located in canal systems within the City that ultimately drained into the Outstanding Florida Waters of springs within the city. Each project required a hydrologic analysis of the upstream flow to the CDS units and a hydraulic analysis to determine the effect on the downstream drainage structures.

Lake Catherine Inter-basin Diversion, City of Deltona, Florida – Project Manager. Stormwater retrofit that involves redirecting stormwater from the Eastbrook Basin (a 250+ acre drainage basin) to the Lake Catherine Basin (a 300+ acre basin) in the City. Project goals were to alleviate flooding of residential structures from the Lake Catherine Basin while also addressing potential water quality impacts.

Oak Haven Subdivision, Orange City, Florida – Project Manager. Stormwater retrofit in a 30-acre basin. Project includes design, permitting, and construction administration to alleviate flooding of residential property.

Stormwater Retrofit, Orange City, Florida, Project Manager. Retrofit project located in a 15-acre, land-locked basin. Project included analysis of any permitted regional retention pond to determine its ability to retain and recover.

Utilities Commission, City of New Smyrna Beach, Florida – Lead Technical Professional. Preparation of several MSSW and dredge and fill permits. Designed and permitted two booster pumping stations.

Spring Restoration Project, City of Crystal River, Florida – Lead Technical Profession. Dredge and fill permitting for two OFW springs. Analysis and design of a de-watering basin that had to be located more than a mile from the restoration area. Dredged material had to be pumped to the de-watering basin.

Various Private Stormwater Management Studies and Design Projects

CWI Concrete Recycling Facility, Regency Industrial Park, Orlando, Florida – Stormwater master system for a 20-acre site.

Angelo's Recycling, 55-Acre Site, Jetport Road, Florida – Stormwater master plan that involved imports to wetlands under State jurisdiction, floodplain encroachment, mitigation and Compensating Storage. H&H modeling was complicated by the large upstream and downstream offsite basins that had to be included.

Regency Industrial Park, Orlando, Florida – H&H modeling for approximately 400 acres of development to master plan the most efficient use of the land of offset the effects of flood plain, floodway and jurisdictional wetland constraints.





Mr. Bomar has successfully managed more than 100 engineering projects with cumulative constructed costs valued in excess of \$150 million. He has also completed capital improvement projects for individual clients valued at over \$15 million in cumulative constructed costs. He has developed a favorable reputation as a “go to” professional engineer, consistently undertaking challenging assignments and delivering buildable projects on schedule and within budget. Experience includes: roadway improvements/designs; pathways, boardwalks, sidewalks, and crosswalk development; stakeholder consensus building; transportation facilities design; water access development; and stormwater planning and design.

EXPERIENCE

Roadway Improvements

Roadway Improvement with Wetland and Ecological Permitting, Walton County, Florida – Project Manager providing wetland delineation, jurisdiction reviews, dredge and fill permitting, and wetland mitigation through the Florida Department of Environmental Protection (FDEP) and U.S. Army Corps of Engineers (ACOE) for 14 different road paving/improvement projects. Projects include more than 18 miles of road improvements involving paving dirt roads, resurfacing paved roads, drainage improvements, and bridge replacements. Managed wetland flagging, surveying, preparation of permitting submittals and negotiation with regulatory agencies over final line locations to make delineations binding. Projects included a combination of bridge and culvert crossing improvements, roadway design improvements, and stormwater quality and quantity strategies. Projects were accepted by the County, successfully permitted through the FDEP and ACOE, and constructed within budget.

Main Street Improvements, City of Destin, Florida, 2003 to Present – Supports one of the City’s first substantial CRA capital improvement projects, valued in excess of \$6.8M. Managed efforts including the development of conceptual renderings to support public outreach and consensus building, as well as design and permitting support for 1.5 miles of roadway, drainage, and utility line conversion improvements. Successfully partnered with multiple stakeholder groups, city departments, Town Center CRA Advisory Committee personnel, CRA Board, the project’s Program Manager, and multiple contractors to overcome technical challenges and implement the improvements.

Scenic 98 Improvements, City of Destin, Florida, 2003 to Present – Managed completion of topographic surveys and mapping of roadway / right-of-way to support development of conceptual options for roadway improvements. Managed design efforts to develop roadway, on-street parking, and pedestrian pathway improvements for ~1.3 miles. Produced conceptual improvement options with City staff, and developed construction documents for roadway and pathway improvements associated with selected option. Successfully designed roadway horizontal alignment and geometry improvements, as well as vertical alignment improvements to accommodate asphalt overlay activities, and stormwater, drainage, and intersection improvements for this highly important arterial roadway running adjacent to the Gulf of Mexico.

Education:

B.S., Environmental Engineering, University of Florida, 1995

Course Work for M.S., Environmental Engineering, Biological Treatment Systems

Registrations/Certifications:

Professional Engineer, Florida, No. 56116

Professional Engineer, Alabama, No. 23901

Professional Engineer, Mississippi, No. 15667

Professional Affiliations:

Florida Engineering Society

Water Environment Federation

Office:

Destin, Florida

Years of Experience:

16

Years with Tetra Tech:

11



Gulf Shore Drive Parking Area, Holiday Isle, City of Destin, Florida – Provided design and permitting services for parking area and public beach access point located at the west end of Gulf Shore Drive. Services included the topographic survey of site conditions and the geometric layout and design of the proposed parking area, as well as construction documents for a 28-space parking lot with concrete ribbon curbing utilized to frame the parking lot.

Roadway Improvements, Walton County, Florida, 2001 to Present – Managed improvements to a rural clay road approximately four miles north of DeFuniak Springs on Highway 83. Project was unique in that the road became an access road over the years through utilization of the County's right-of-way and the Choctawhatchee Electric CoOp power line. Local residents utilized each side of the power line as the traffic lanes on each side of the utility poles. Project design was complicated by the fact that the roadway separation included a signified shift in the two profile grade lines. Street improvements included coordination with the local utility companies (electric, water, and phone) to relocate utilities to the edge of the right-of-way. In addition, developed design recommendations so the dirt road was paved and adequate stormwater conveyance and treatment was provided.

Dr. Nelson Road Improvements, Walton County, Florida – Project Manager responsible for surveying, design, and permitting for the road improvements that involved paving a dirt road and upgrading drainage structures. Plans and specifications provided sufficient detail for County construction crews to construct roadway improvements. Drawings included a plan view showing locations of the cross sections at 100-foot intervals, cross sections, bottom roadside swale and ditch block elevations, stormwater piping and structures, and miscellaneous details. Project permitting included preparation and submittal of a swale exemption request to the Florida Department of Environmental Protection for stormwater treatment along the newly paved roadway.

Roadway Improvements, City of Marianna, Florida – Prepared plans, specifications, bid documents, permitting and cost estimate for the modification of one of the City's busy intersections. Design included modifying two three-way stops into one four-way stop and incorporating pedestrian safety features for pavements and children's commute to a nearby school. Project involved paving, grading, sidewalks, lane markings, stormwater features (including stormwater structures), piping and retention areas. Project was permitted through the Florida Department of Environmental Protection.

County Road 52 Improvements, Walton County, Florida – Retained by the County to obtain proper permits for the construction improvements of 1.8 miles of roadway, current conditions to be addressed including unpaved clay road with inadequate travel lanes, inadequate roadside swale/ditch stabilization, and undersized cross culverts for a hurricane evacuation route. Following Hurricane Opal in 1995, County Road 52 was targeted as a potential north/south hurricane evacuation route, rendering the construction improvements imperative. Obtained all of the necessary permits within 60 days of the County's notice to proceed and acquired funding through the Department of Community Affairs Hazard Mitigation Grant. Roadway has become a key element in the residential evacuation threatening hurricanes for both Walton and Okaloosa Counties.

Development

Downtown Streetscape Redevelopment Program Improvements, City of Fort Walton Beach, Florida – Project Manager for the design, permitting, public information, and construction services for the project that included replacing non-ADA compliant cracked sidewalk with decorative pavers, installing pedestrian lighting, new landscape islands with trees, groundcover, and irrigation system, and new site furnishings such as benches, trash receptacles, and wayfinding features. All improvements were implemented in a right-of-way (ROW) crowded with underground utilities. Project was permitted with FDOT including a Design Variation Report request that was approved and ROW utility, connection, and drainage permits. Due to project public exposure, Mr. Bomar was required to present the proposed improvements to the City Council, CRA Board, and local business and Chamber of Commerce groups. Project was successfully completed on schedule and within budget.

Beal Neighborhood Gateway Park, City of Fort Walton Beach, Florida – Project Manager for the design, public information, and construction services. Project included an iconic clock tower element, landscape and sidewalk improvements, and traffic calming features. Improvement implementation was a concept turned reality for many



community leaders. As a part of the design process, led numerous meetings to explain the proposed improvements including details such as site and landscape plans, and cut sheets from proposed vendor's for many of the site furnishings and landscape. Project was successfully completed on schedule and within budget.

CR 283 Bridge Replacement, Walton County, Florida – Project Manager for the construction administration of approximately 150 feet of deteriorated concrete bridge. Project included design and permitting for the complete demolition and reconstruction activities with the FDEP and US Fish and Wildlife. Responsible for part-time inspection, pay request review, change order recommendations, and correspondence with the contractor.

Turkey Creek Bridge Replacement, Walton County, Florida – Project Manager for the flow modeling and flood stage conditions. Bridge was a concrete slab deck with timber pile supports and understructure. Due to extreme creek flow velocities, pile supports were being undermined and the County was in need of an immediate solution for a bridge replacement. Final model analyzed the scour around the pilings and recommended a piling embedment depth to account for the required bearing load capacity and future scour from a variety of storm events.

Marler Bridge Boardwalk Plan, City of Destin, Florida, 2004 – Managed this high profile project involving significant consensus building efforts, related to the development of survey and plan drawings depicting design options for a boardwalk beneath the east end of the Marler Bridge. Supported multiple public information planning meetings that addressed the creation of four different boardwalk and fishing pier options. Project activities concluded with successful stakeholder consensus on the preferred Boardwalk Plan, and acceptance by the Harbor CRA Advisory Committee and CRA Board.

Papers / Presentations

2006 Bay Environmental Study Team (BEST) for St. Andrews Bay General Meeting; Gulf Coast Community College, Panama City, FL; *Wetlands Enhancement Program*

2006 USAIDIS VII Regional Conference; Chicago, Illinois; *Wetlands Rehydration Through Wastewater Reuse*

2006 Alabama Water Environment Association; Orange Beach, Alabama; and 2006 Alabama Water and Pollution Control Conference; Huntsville, Alabama; *Identifying Feasible Reuse Opportunity: Reuse To Wetlands*

2007 Water Environment Federation Technical Conference (WEFTEC); San Diego, California; *Identifying Feasible Reuse Opportunity: Wetland Rehydration With Reuse*

Awards / Recognitions

2005 Award for Outstanding Innovation for Santa Rosa County Joint Land Use Study by the FL Planning and Zoning Association

2004 Award of Excellence for the Santa Rosa County Joint Land Use Study by the FL Chapter of the American Planning Association





Mr. Warner has been employed in the Engineering field since 1989. He has worked from the ground level up as a CAD production specialist to his current position as Project Manager. He has a broad range of design, permitting, and management experience in federal, state, and private civil engineering projects. He has worked on projects in several states but his focus is primarily in Florida. Mr. Warner's experience ranges from: roadways; stormwater master drainage systems including commercial, industrial, military and residential developments; utility systems; and numerous small site development plans.

EXPERIENCE

Federal Projects

Design Development and Construction Plans for Troop Feeding Facility / Community Activity Center (Joint Venture with POND), Homestead Reserve Air Force Base, Site Charrette with U.S. Army Corps of Engineers, 2010 – Prepared concept site and stormwater plans for coordination. Coordinated site planning design for support to USACE for Charrette. Prepared Civil CCD/DD and CD documentation for the TFF/CAC. Performed permitting with SFWMD. Stormwater System was designed with a combination of exfiltration and surface ponds.

East Entry Access Control, Homestead Reserve Air Force Base, Site Charrette with U.S. Army Corps of Engineers, Miami-Dade County, Florida, 2008 – Master planning for East Commercial access gate and East POV access control gate. Prepared master planning design support to ACOE for Charrette. Prepared Civil CCD documentation for the East Control Complex.

Weapons System Support and Training Facility Building 272, U. S. Army Garrison, Detroit Arsenal, Warren, Michigan, 2009 – Construction drawing quality control review. Modified grading and sidewalk design issues. Provided Independent Technical Review for the Westside water supply improvements.

Red Run Drain Repair, U.S. Army Corps. of Engineers, Oakland County, Michigan, 2010 – Performed an Independent Technical Review.

American Recovery and Reinvestment Act (ARRA) Project, Detroit Arsenal, Warren, Michigan, 2009 – Performed an Independent Technical Review (ITR) for the East Side water main to feed under capacity fire lines and Buildings 201, 203, and 249. Provided ITR support for the project design and coordinated site changes.

Independent Technical Review, Grissom Air Reserve Base, U.S. Army Corps. of Engineers, Grissom, Indiana, 2010 – Tower location documentation for request for proposal.

Correctional Facilities

Lowell Correctional Institutional, Florida Department of Corrections – Reception Center Campus, Family Housing Expansion, Training Center, Maintenance Facilities, Warehouse and Water Storage and re-pumping facility coordination; Perimeter Road Re-alignment study; Pond 300 and erosion review and recommendations, SJRWM Permit determination

Education:

B.S., University of Central Florida, 1999

Registrations/Certifications:

Professional Engineer, Florida, No. 61871

Professional Engineer, Georgia, No. PE032950

Professional Engineer, Alabama No. 29318-E

LEED™ Accredited Professional

Professional Affiliations:

Florida Engineers Society

National Society of Professional Engineers

Office:

Orlando, Florida

Years of Experience:

21

Years with Tetra Tech:

18

Military Service:

United States Army, Combat Engineer

(MOS 12 B)

E-5 Sergeant, 1983-1987





Lowell (Prototype) Mental Health Unit, Correctional Institutional, Florida Department of Corrections – Concept plan development and 30% design development coordination with subconsultant HKS Architects.

Demilly Correctional Institutional, Florida Department of Corrections – Retro permitting of site modifications after DOC acceptance of the Juvenile facility purchase.

Lake Butler RMC, Florida Department of Corrections – New Reception Center Campus, Family Housing Expansion, and Drainage Improvements (project pending).

Avon Park Correctional Institutional, Florida Department of Corrections – Wastewater treatment plant, site observation, and construction coordination; Truck Entry Road and coordinate for permit determination.

Hillsborough Correctional Institutional, Florida Department of Corrections – Emergency restoration plan for failed berm.

Tomoka Correctional Institutional, Florida Department of Corrections – Coordination with Tetra Tech NUS for remedial action plan.

Municipal / Public Civil Engineering

Continuing City Consultant, Florida – Orange City, Clermont, Cocoa Beach, Indian River Shores, Fernandina Beach, Deltona, Crystal River, Ocoee, Oviedo, Ponce Inlet, and Minneola.

Development Review Committee and Site Plan Review Services, Florida – Orange City, Fernandina Beach, Minneola, Deltona, and Ponce Inlet.

Capital Improvement Programs, Florida – Orange City, Umatilla, Deltona, Minneola, and Fernandina Beach.

Town of Ponce Inlet – 4899 Front Street spoils material review and recommendations for use as fill on development site.

Public Recreation and Parks –

- City of Fernandina Beach Main Beach Park modifications and parking expansion (Nassau county)
- City of Deltona Festival Park gazebo, boardwalk, and lake viewing platform; Kenansville Dog Park; Lake Monroe boat ramp structural analysis and floating dock additions; Campbell Park FRDAP facility expansion and lake access; and Veterans Memorial Park modifications and drainage (Volusia County)
- City of Minneola Trail Head Park FRDAP parking expansion and pavilion (Lake County)
- Martin County Jensen Beach Boat Ramp (Martin County)
- City of Clermont Center Lake dredging and downtown streetscape (Lake County)
- Town of Ponce Inlet – Fisherman’s park, parking, and restroom improvement
- New Smyrna Beach – Seawall development for future Park, Ester Street

Civil Site Plan Support – Public utility complexes, water and wastewater treatment plants, and fire stations for Orange City, North Port, New Smyrna Beach, Deltona, Miami Beach, and Marion County (more than 20 counties).

Major Water/Wastewater Infrastructure Civil Support Projects, Florida

- Upgrades to water treatment plant (WTP) for City of North Miami Beach - Permits for site work with DERM
- Wastewater treatment plant (WWTP) (6 MGD) for City of New Smyrna Beach - Permit for site work with FDEP, Volusia County, and FDOT
- Oak Run - 1.0 MGD WTP Civil Design and permitting





- Plant G - 1.0 MGD WTP Civil Design and permitting
- Spruce Creek WWTP, Marion County - TRIPLEX LIFTSTATION Civil Design and permitting
- Silver Springs WWTP, Marion County - 1.5 MGD WWTP Civil Design and permitting
- Upgrades to the Poinciana WWTP #2 for Toho Water Authority, Osceola County - Conditional Use Application and County, FDEP stormwater, County Engineering Plan Permitting
- Reuse Storage and Re-pump for the Western Service area for Toho Water Authority, Osceola County – Permit for site, including Conditional use for Osceola County, Site permitting Engineering Improvement Plan and Stormwater Permitting with FDEP
- Reuse Storage Reservoir at Tohoqua Legacy Park – Review possible permitting and capacity issues with design and permitting of a Reservoir for the Tohopekaliga Water Authority/City of St. Cloud in Osceola County
- Orange County Western Regional WSF Improvements – Civil Design and permitting for the Orange County Utilities Department, three new wells, New Hypochlorite building, Operations building, and ground storage tank #3 at the Western WSF facility
- Orange County Easter Regional WSF Improvements – Civil support to site upgrades and permitting conditions

Site Plan Code and Permit Reviews for Public Entities, Florida

- City of Orange City (Volusia County) - Residential Subdivisions (2), Commercial/Office site plans (5), Industrial site plans (5), Multi-family site plans (1)
- Ponce Inlet (Volusia County) - Single-family lots (3), Single-family subdivision (3), Condominium (6), Multifamily (1), Retail/Commercial/Office (4), Recreational and Landscaping Compliance (2)
- City of Fernandina Beach (Nassau County) - Residential Subdivision (4), Health care, medical, hospital site plans (1), Commercial, retail, and restaurant site plans (4), Industrial parcels (3), Hotels (1), Office buildings and churches (2), Multi-family and condominiums (2)
- City of Deltona (Volusia County) - Residential Subdivisions (4), Single Family Lots (10), Commercial Site Plans and Shopping Centers (6) – Review of proposed Public Safety Complex
- City of Daytona Beach Shores (Volusia County) - Commercial site plans (1), Condominium/Hotel (1)
- Town of Indian River Shores (Indian River County) - Condominium/Timeshare (1), Retail Office/Commercial (1), Residential Subdivisions (1)
- Sumter County - Industrial Stormwater (Solid Waste, Mining) (2), Retail Office/Commercial (1)
- New Smyrna Beach – Seawall development for future Park, Ester Street New Smyrna Beach Florida

Civil Infrastructure and Public Improvement Projects

Streetscape Projects, Clement Redevelopment District, 2002 – Preliminary engineering and grant assistance.

Scott Carver HOPE VI, Memphis, Tennessee, 2009 to Present – Master planning coordination and civil support for municipal infill of a public housing facility, upgrades to diverse income housing. Project funded by the HOPE VI federal program and administered by the Miami-Dade Housing Authority.

Legends, Memphis Housing Authority, HOPE VI, McCormack Barons Salazar, Memphis, Tennessee, 2008 – Grading plan coordination.

University Place, Memphis Housing Authority, McCormack Barons Salazar, HOPE VI, Memphis, Tennessee, 2008 – QC review.





Foxfire Trail Cul-de-sac Redevelopment, City of Oviedo, Florida, 2006 – Redesign, permitting, and construction plans.

Major Private Infrastructure Civil Engineering Projects

Wycliffe Associates, 2010 – Planning and CAD support for modifications to the Land Use Plan and Development Plan Process.

West Groves, 2000 to 2003 – 400-acre development with 512 single-family units, 20 commercial acres, 20 acres of multi-family, and offsite utilities and roadwork.

Sheraton World Resort, Orlando Florida, 2003 to 2004 – Civil site design for a 16-story hotel addition to the complex, including additional stormwater site improvements.

Greenway Ford and Dodge Site Plans, 1998 to 2004 – 50-acre site with two full service automotive sells and service facilities, including a body shop facility, and master drainage facility.

Colonial KIA Site, 2004 to 2005 – Project Manager for the development of a dealership with underground stormwater treatment facility on a 2.2-acre site providing for a 100-car display and additional parking for customer and service facilities.

Site Plan Engineering Projects –

- World Outreach Center - Orlando
- Metro Life Church - Casselberry
- Cornerstone Church of Orlando – Orlando
- Concrete Batch Plant Permitting and construction documentation for eight plants and subsequent renewals
- Newbury, Florida - Cement manufacturing plant and limerock mine, Line Two stormwater support and Construction Observation and certification
- Civil design and construction permitting for three solid waste transfer stations
- Camelot Self storage facility, OBT Orlando Civil Design, permitting and construction observation
- 8 SouthTrust Bank site, various counties in Central Florida
- CNL Bank, Lake Mary Florida, Civil Design, Permitting and Construction observation

FDEP Industrial Permitting and NPDES Coordination

- Finrock Industries, 1997, 2003 and 2009 – Stormwater Pollution Prevention Plan for Pre stress concrete
- Marathon Ashland, Tampa Port – Hydrocarbon reduction process study
- Florida Building Materials, Sorrento Stormwater Pollution Prevention Plan for Concrete Batch plant
- Thomas S. Baker Cement Plant – Coordinate Line Two developments for stormwater improvements and permitting

Beazer Koppers, 2010 – NPDES support for permitting, Temporary Drainage plan and implementation for EPA / FDEP Environmentally contaminated site, Support to Tetra Tech GeoTrans

Beyel Crane, Cocoa Beach, Florida, 2010 – Review site conditions, recommend site modifications and procedures for NPDES conditions and plan development.



ATTACHMENT C
PROJECT DESCRIPTIONS



Stormwater Engineering:



FIRM RESPONSIBILITIES

Tetra Tech has been providing continuing engineering services to the City of Destin since 1998. Our services have included a variety of projects including civil, structural, and electrical engineering, surveying, air quality, environmental services, construction services, GIS mapping, streetscape designs, and public consensus building. We have successfully completed projects for all City departments including the City Manager, Engineering Department, Public Works Department, Community Development, Parks and Recreation, and Legal Counsels.

A partial list of some of the 100-plus projects headed up by our staff include:

- ▣ Mountain Drive Streetscape and Drainage Improvements
- ▣ Heritage Park and Plaza Conceptual Design and Planning
- ▣ Joe's Bayou Boat Ramp Expansion
- ▣ Mattie Kelly Park Improvements
- ▣ Citywide Pathways Master Plan
- ▣ Tennis Facility
- ▣ Stormwater Master Plan
- ▣ Sidewalk Design and Permitting (throughout City)
- ▣ Scenic 98 Improvements
- ▣ Main Street Improvements
- ▣ Stormshutters for Five City Buildings
- ▣ Quail Lake Flooding Retrofit
- ▣ Gulf Shore Drive Improvements
- ▣ Crystal Beach Drive Improvements
- ▣ Heritage Run Drainage Improvements
- ▣ Comprehensive Plan Public Facilities Element
- ▣ Land Development Code Revisions
- ▣ Plat Reviews (over 120 as Surveyor of Record)

For the past 11 years, Tetra Tech has provided a broad spectrum of services including:

- ▣ Professional Surveying and Mapping for Capital Improvement projects and serving as the City's Surveyor of Record on more than 120 different plat reviews.
- ▣ Stormwater Planning, Design, Permitting, and Construction Related Services for the City's Stormwater Master Plan, Stormwater Utility Analysis, Stormwater Retrofit Projects, and Roadway Improvement Projects.
- ▣ Transportation Planning, Design, Permitting, and Construction Related Services for roadway widening projects, intersection improvements, additional turn lanes, and new and/or modified traffic signals.

Project Highlights:

- Stormwater Master Plan
- CRA Streetscape
- Roadway Improvements
- Stormwater Treatment
- Surveying and Mapping
- Flood Control
- Permitting
- Construction Services
- Hazard Mitigation
- Project Certifications
- Public Presentations
- More than 100 Projects Successfully Completed
- Acted as City's Engineer
- Northwest Florida client since 1998
- Florida CCNA Agreement
- Ordinances, Comp Plan, LDC, and Public Hearing Assistance

Project Value:

\$8000 - \$6,800,000
(Estimated Costs to Construct)

Project Duration:

1998 to Present

Project Staff:

Michael Bomar, PE
Project Manager

Reference:

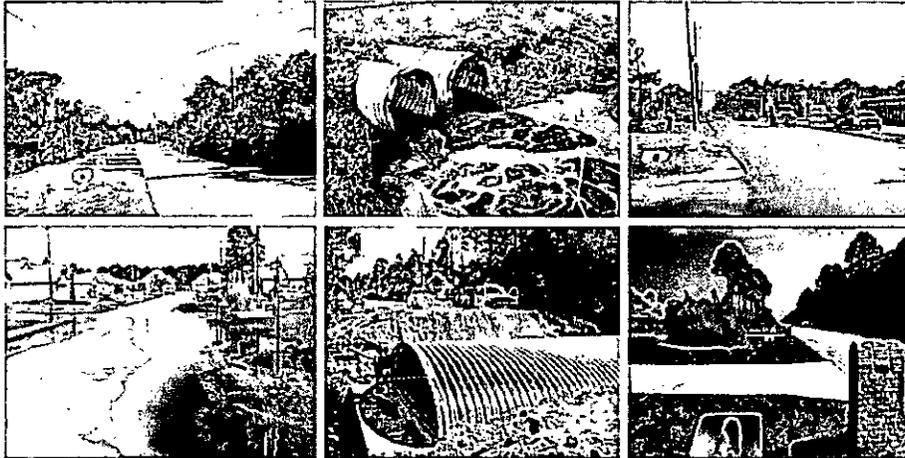
City of Destin
4200 Indian Bayou Trail
Destin, Florida 32541

Mr. Greg Kisela
City Manager





Stormwater Engineering:



Project Highlights:

- Stormwater Master Plan
- Roadway Improvements
- Stormwater Treatment and Erosion Control
- Surveying
- Flood Control
- Potable Water Supply Studies
- Pollutant Sampling and Analysis
- Construction Services
- Grant Applications
- Public Hearings
- Drainage retrofit projects in ROWs
- Florida CCNA Agreement
- Coordination with: FDEP, EPA, ACOE, NFWFMD, US F&W, FEMA, US Coast Guard, Florida Fish & Game

FIRM RESPONSIBILITIES

Walton County has a history of structural and nuisance flooding, roadway and roadside erosion, stormwater conveyance problems, and growing water quality concerns with recent growth in the County. Since 1997, Tetra Tech has successfully provided engineering services to the County including a variety of stormwater and drainage control planning, design, permitting, and construction administration projects. Since 2009, there have been more than 95 different County projects successfully completed by Tetra Tech including implementing solutions to drainage and roadway problems.

Walton County Stormwater Master Plan. Delineated 20 major drainage basins north of the Choctawhatchee Bay and 32 different drainage sub-basins south of the Bay. Field work efforts electronically located and mapped more than 32,000 linear feet of major pipes creating a comprehensive Geographic Information System (GIS) database with specific information for each structure such as latitude and longitude, structural condition, type of material, structure size, type of end treatment, amount of sedimentation, degree of vegetation, and erosion conditions.

Water quality analysis prioritized basins for improvements to stormwater runoff quality to the Bay and the County's rare Coastal Dune Lakes. Water quantity elements established the framework for the County to address the visible problems associated with property damage, erosion problems, standing water in roads, and "blown out" culverts. A Capital Improvement Plan (CIP) was developed to implement improvements and new Policies and Procedures (design standards) were recommended for new development.

More than ten different public presentations and hearings were prepared and given to various County groups including a final presentation to the BOCC which included unanimous adoption of the Plan.

Holiday Shores Subdivision Drainage Improvements. Design and permitting to improve drainage conveyance in a residential area adjacent to Choctawhatchee Bay. Historically, this area has been subject to routine nuisance flooding during moderate storm events and structural flooding during severe storms. We performed topographic and Right-of-Way (ROW) surveys of the County ROW in the area including roadways,

Project Value:
\$5,000 to \$560,000

Project Duration:
1997 to Present

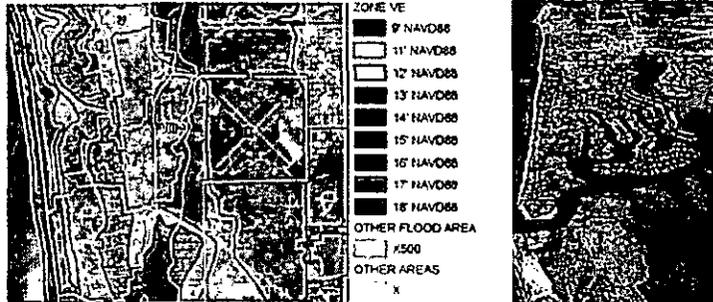
Project Staff:
Michael Bomar, PE
Program Manager

Reference:
Walton County BOCC
Post Office Box 1355
DeFuniak Springs,
FL 32435

Michael Underwood
County Administrator
850.892.8156



Stormwater Engineering:



Project Highlights:

- Naples Bay SWIM/TMDL Integration
- Convert CAD Inventory to GIS
- Funding Re-Evaluation
- Floodplain/Tidal Assessment

Project Value:

\$90,000 (Project fee)

Project Duration:

March 2007

Project Staff:

William Musser, PE, PH,
PWS, LEED® AP
Project Manager

Burl Reardon PE
Project Engineer

Andrew Woodcock, PE,
MBA

Reference:

City of Naples
380 - 13th Street North
Naples, Florida 34102

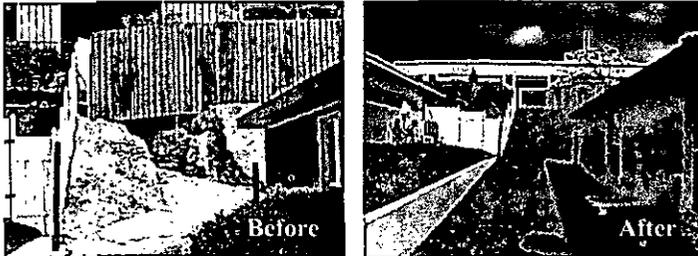
Mr. Bob Middleton
Public Works Director
239.213.4714
239.213.4798 (fax)
bmiddleton@naplesgov.com

FIRM RESPONSIBILITIES

The City of Naples contracted Tetra Tech to integrate and update the City's stormwater program to reflect the past twenty years of various stormwater master plans and reports. The emphasis of the master plan update was to focus the citywide effort in the areas of water quantity improvements (flood control) water quality improvements (retrofit pollution treatment), and overall integration of regional management practices affecting Naples Bay. Significant environmental concerns were focused on Naples Bay since it was recently adopted as a South Florida Water Management District (SFWMD) SWIM water body. In addition, the report was to adjust the five- and ten-year financial expectations including a review of their existing stormwater utility. The scope of services included performing:

- Revised basin delineation
- Asset inventory recertification
- Summary of tidal influences on tailwater flooding
- Summary of localized water quantity (flooding) problems
- Summary of water quality problems
- Summary of coastal floodplain liabilities
- Reconciliation of level of service discrepancies/inconsistencies
- Summary of water quality sampling program
- Assessment of existing condition of receiving water bodies
- Assessment of future regulatory issues
- Assessment of financial issues and opportunities
- Final recommendations for immediate action

During the master plan update, it was identified that there were approximately \$60 million worth of improvements and studies that need to be funded over the next ten years. In addition, it was determined that the existing stormwater utility rate structure and policies were not adequate to properly fund the upcoming projects identified and adjustments to the utility would be necessary.

Stormwater Engineering:**FIRM RESPONSIBILITIES**

The City of Minneola employed Tetra Tech to prepare a Stormwater Master Plan (SMP) to determine the necessary projects and costs associated with urban drainage problems within this rapidly growing community. The SMP was implemented in phases with the original study phase ending in 2003; followed by numerous additional master plan activities in subsequent years. The implementation of individual recommendations included developing a better GIS inventory, rate adjustments, and individual capital improvement projects undertaken in the years 2006 through 2008.

Minneola initiated its stormwater utility by charging a nominal monthly \$2.00 per lot for all parcels in the City. In 2008, as a result of increases in renewal replacement requirements, operating costs, growth, and capital projects, the City authorized a subsequent SMP phase for Tetra Tech to reevaluate the stormwater utility rates. The study: 1) established an Equivalent Residential Unit (ERU); 2) evaluated customer classes of residential and non-residential; 3) developed revenue rates to cover requirements; and 4) developed a credit policy. The rates were successfully adjusted in 2009.

In 2006, Tetra Tech initiated the design and SMP construction phase by resolving a severe case of erosion affecting a commercial business, two homeowners, two adjacent residents, and both public and private stormwater management infrastructure. Ultimately, a secondary conveyance system was constructed with improved grading and an easement granted to the City by all parties to provide a collection system to accept the offsite runoff and direct it properly to the retention pond.

From 2006 to 2008, Tetra Tech continued to assist the City in implementing SMP improvements. These improvements raised the level of service to the homeowners from expected house and yard flooding every two years to only right-of-way ponding in extreme events (greater than ten-year return frequency). The improvements included: a 24- and a 36-inch conveyance pipe between property owners; eight drainage inlets, eight flumes, re-grading of swales, ten driveway replacements, re-grading residential property, and re-grading outfall facilities with energy dissipation devices. Tetra Tech also led several public workshops with the stakeholders.

Project Highlights:

- Stormwater Master Plan
- GIS Inventory
- LOS Assessments
- CIP, O&M Evaluation
- Stormwater Utility and Rate Adjustments
- CIP Implementation

Project Value:

\$50,000 (SMP Fee)
\$130,000 (CIP Design)
\$34,500 (Rate Fees)
\$440,000
(CIP Construction Cost)

Project Duration:

September 2003 –
2003 SMP Phase
2006 CIP Phase I
2008 Rate Adjustments
October 2008 CIP Phase II

Project Staff:

William Musser, PE, PH,
PWS, LEED® AP
Project Manager

Burl Reardon PE
Project Engineer

Andy Woodcock, PE, MBA
Rates Project Manager

Eddie Jenkins, PSM
Project Surveyor

Alex Montalvo
Project GIS/Inventory

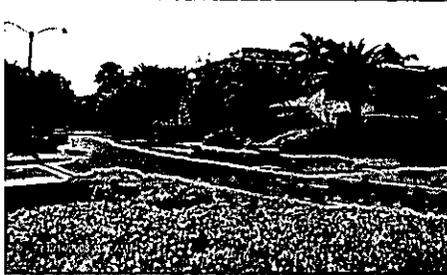
Reference:

City of Minneola
P.O. Box 678
Minneola, FL 34755-0678

Mr. Fred Miller
352.242.1301
fmiller@minneola.us



Stormwater Engineering:



Project Highlights:

- Inventory and mapping of stormwater infrastructure
- Hydrologic and hydraulic modeling using XP SWMM
- Concentrated on repetitive loss properties

Project Value:

\$ 143,342.00 (project fee)

Construction – N/A

Project Duration:

August, 2010 –
February, 2011

Project Staff:

Alicia M. Vereas-Feria, EI
Client Manager

Ken Caban, PE
Project Manager

Rod Cashe, PE
Senior Project Manager

Mike Saxton, PE, CFM
Project Engineer

Alex Montalvo
GIS Specialist

William Musser, PE, CFM,
PH
Quality Control

Reference:

Village of Key Biscayne
88 W. McIntyre Street
Key Biscayne, FL 33149

John Gilbert
305.365.8945
jjgilbert@keybiscayne.fl.gov

FIRM RESPONSIBILITIES

Tetra Tech is currently contracted to provide professional engineering services for the Village of Key Biscayne Stormwater Master Plan Update. This project updates the existing Stormwater Master Plan and the Floodplain Management Plan and is one of the components required by the Community Rating System (CRS) to maintain and obtain additional credit for the five-year CRS Cycle Recertification.

The purpose of the Stormwater Master and Floodplain Management Plan Updates are to meet regulatory requirements, identify problem areas and issues relating to repetitive loss properties, to identify and evaluate improvement alternatives, and to estimate costs associated with various improvements to the stormwater management systems. Updating the plans also assists the Village in maintaining the Class 7 rating compliance with the requirements of the National Flood Insurance Program (NFIP) CRS program.

Tasks conducted as part of this project include:

- Data collection
- Existing stormwater infrastructure inventory
- Preparation of a Geographic Information System (GIS) to serve as a platform for the existing and future stormwater infrastructure
- Preparation of a stormwater atlas based on the GIS platform
- Preparation of a hydraulic/hydrologic model of the Village's stormwater system
- Identification of existing and future Levels Of Service (LOS) based on water level rises for varying stormwater conditions
- Preparation of cost estimates for various alternatives
- Prioritization of future improvements
- Identification of phased capital improvements
- Preliminary design of recommended alternatives
- Funding requirements and coordination with the stormwater rate study





Stormwater Engineering:

FIRM RESPONSIBILITIES

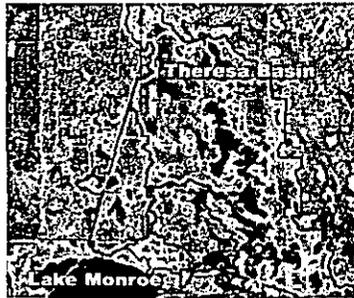
The Deltona area contains several hundred water bodies, including landlocked lakes, depressions, and ephemeral marshes, most of which are without an outfall. Of the four watersheds in the City, the largest, Theresa watershed, was not linked to the City's stormwater management system. Over the past 40 years, several schemes were designed to

remedy flooding associated with this landlocked watershed. However, financial troubles, political issues, and environmental concerns prevented renovation attempts.

In 2002, the City was plagued with 90 inches of rain. The landlocked watersheds became oversaturated, and groundwater flooded the area. Flood stages in the lakes reached critical levels. Tetra Tech was contracted to act as the City's engineer, and team members determined that a major storm would flood potentially hundreds of additional homes and cause property damage on several thousand lots. Emergency Authorizations were issued by Volusia County, the Governor's office, and the St. John's River Water Management District (SJRWMD). The concerns of dozens of property owners were taken into account as biologists and surveyors worked quickly to gather data to justify the unlocking of the Theresa watershed through an emergency interconnect to Lake Monroe.

Contingent with the outfall approval was an analysis of the potential pollutant loading from the emergency outfall and a subsequent evaluation of mitigating water quality Best Management Practices (BMPs) since the discharge ultimately flows into Lake Monroe, an impaired water body. The most critical element of the permitting process was the arduous task of establishing a water quality mitigation plan with SJRWMD to offset nutrient loading into Lake Monroe. Total Nitrogen and Total Phosphorus are limiting constituents contributing to the impaired condition of Lake Monroe.

The water quality mitigation program for the Theresa Basin Outfall System ultimately involved a conceptual plan to construct a stormwater retention and wet detention ponds outside of the Theresa Basin to reduce other watershed's pollutant loading to Lake Monroe. A pre/post pollutant load analysis was conducted by Tetra Tech for each pond using a procedure developed for the reduction of pollutant loading into Lake Apopka. In addition, Tetra Tech successfully obtained a \$1.1M 319 grant from FDEP to design, permit and construct a ten-acre regional water quality treatment facility which will help further the City's compliance to the water quality mitigation plan for the Theresa Basin Outfall by using a BMP treatment train.



Project Highlights:

- Emergency authorizations allowed construction prior to permitting
- Installed a five-foot diameter pipe or similar conveyances to move stormwater from Lake Doyle to a large freshwater marsh
- Culverts placed beneath several roads and railroad grades
- Water conveyed from Lake Bethel to Lake Monroe and out to St. Johns River
- Water Quality BMP evaluation and solution

Project Value:

- \$1,800,000 (Construction Cost)
- \$80,000 (Change Order)
- \$270,000 (Project Fee)

Project Duration:

- 2005 (Outfall Completed)
- 2010 (BMP Treatment Facility)

Project Staff:

William Musser, PE, PH, PWS, CFM
Project Manager

Roderick Cashe, PE, CDT
Project Engineer

Tatiana Hernandez, PE, CFM
Project Engineer

Lawrence Jenkins, PSM
Surveyor

Reference:

City of Deltona
2345 Providence Boulevard
Deltona, FL 32725
Mr. Joseph Walker
386.878.8959





Stormwater Engineering:



Project Highlights:

- Miscellaneous engineering support and assistance for various projects including drainage issues, transportation improvements, and system inventory for GASB 34

Project Value:

Varies

Project Duration:

Ongoing

Project Staff:

Daniel Nelson, PE
Project Manager

Roderick Cashe, PE, CDT
Project Engineer

William Musser, PE, PH,
PWS, LEED® AP
Project Manager

Andrew Woodcock, PE,
MBA
Project Engineer

Reference:

City of Bonita Springs
9220 Bonita Beach Road,
Suite 111
Bonita Springs, Florida
34135

Mr. Daryl C. Walk, PE
Public Works Manager
239.390.1000

FIRM RESPONSIBILITIES

The City of Bonita Springs in Lee County was incorporated in early 2000. The City has a permanent population of more than 30,000 with a seasonal population of more than 70,000. To minimize both the sizes of the City staff and costs, many of the normal City services are contracted out, including many of the civil engineering tasks.

Tetra Tech provided miscellaneous engineering support and assistance for various projects including drainage issues, transportation improvements, and system inventory for GASB 34. Some of the various projects performed by Tetra Tech for the City include:

- Drainage improvements throughout the City
- Stormwater Master Planning and Stormwater Utility Evaluation
- City-wide canal improvements and identification
- Roadway and drainage improvement for the Rosemary Park community
- NPDES permitting assistance
- Drainage Inspection and condition documentation along City owned roadways
- City owned signage and traffic feature documentation for GASB 34
- Signal Road Extension – design and construction oversight
- HVAC Addition to the Bonita Springs Recreation Center
- Evaluation and preliminary design for roadway improvements to Quail Nest Lane
- Design assistance for drainage and cleaning adjacent to Seminole Gulf Railroad
- Drainage (swale) system evaluation and recommendations for upgrades
- Street light inventory for GASB 34
- Review of Bonita Springs Utility Tariff
- Parks and recreation lighting
- Sidewalk, bike lane, and paved shoulder preliminary evaluations





Stormwater Engineering:

drainage easements, driveway connections, utilities, drainage structures, and other pertinent information. Engineering design services included a hydrologic analysis of the drainage basin and design calculations to size conveyance ditches, longitudinal pipes and cross culverts to convey the stormwater runoff from a 25-year critical storm event. Environmental consulting services involved the delineation of both FDEP and U.S. Army Corps of Engineers (ACOE) jurisdictional wetlands and permitting. We prepared and presented a public presentation to neighborhood property owners at a special meeting to describe the drainage problems and detail proposed improvements. The project was successfully completed in 2008.

South Gulf Drive Roadway and Drainage Improvements. South Gulf Drive is a asphalt road approximately 1,000 feet long and located on the western side of Eastern Lake, an environmentally-sensitive coastal dune lake in South Walton County. During normal rain events, the stormwater sheet-flowed from west to east, resulting in substantial flooding for residents located on eastern side of road. After being retained by the County to solve the problem after several other engineering firms had failed, we worked closely with the residents, County staff, and the FDEP to assess flooding problems and determine a solution. We designed a series of detention basins to facilitate positive drainage to the east. Drainage structures and underground piping were run within the County ROW to alleviate flooding in low areas adjacent to the roadway. During critical storm events, water now overflows into another drainage system and is conveyed to a mosquito control ditch along the shores of Eastern Lake. We worked with FDEP and the ACOE to permit the activities within regulated wetlands.

CR 395 Culvert Replacement. Tetra Tech was retained by the County to develop and implement a solution to a failing culvert system beneath CR 395 in Seagrove Beach. The culvert system consisted of five 48-inch diameter reinforced concrete pipes conveying stormwater runoff from east to west under CR 395. The culverts were in poor structural condition, joints were separated, and the culvert base was undermined. In addition, they were not properly sized to convey a 25-year critical storm event. Design tasks included hydrologic analysis of the contributing drainage area and hydraulic analysis of an appropriately-sized culvert. The final design replaced concrete pipes with an aluminum arch culvert approximately 24 feet in width and 6 feet high. The County was provided with detailed final design plans for the improvements and FDEP and ACOE permitting.

Additional roadway and stormwater projects for the County include:

- ❑ Turkey Creek Bridge Hydrologic and Hydraulic Modeling - Modeled flow and flood stage conditions for the County's bridge replacement project
- ❑ Collinsworth Road Drainage and Roadway Improvements - Design and permitting for more than 3.5 miles of roadway
- ❑ Christian Life Road Drainage and Roadway Improvements - Design and permitting improvements for more than 2 miles of roadway
- ❑ CR 2A Drainage and Hurricane Evacuation Improvements – Design and permitting
- ❑ Coastal Dune Lakes Management Plan - Inventory and mapping stormwater infrastructure and hydrologic characteristics for four lakes
- ❑ Driftwood Estates Stormwater Retrofit Improvements - Design, permitting, and construction administration for residential drainage improvements

Northwest Florida Daily News Editorial Excerpt:

"As an engineer, I can say without question that I have not seen this level of professional engineering anywhere in South Walton and maybe in all of Walton County since I moved here some 12 years ago."

William Brosco, Santa Rosa Beach
South Gulf Shore Drive Resident





Stormwater Engineering:

- ▣ Electrical Engineering Design and Construction Related Services for the City Hall Annex Lighting Retrofit, Mountain Drive Pedestrian Lighting, and Harbor Boardwalk Pedestrian and Wayfinding Lighting.
- ▣ Walkable Community Planning, Design, Permitting and Construction Related Services for projects involving a Pathways Master Plan and numerous Streetscape and Sidewalk Improvement projects satisfying the City's multi-modal requirements.
- ▣ Parks and Recreation Planning, Design, Permitting, and Construction Related Services for the Mattie Kelly Park Improvements, Scenic 98 Multi-use Pathway, Heritage Park and Plaza, Tennis Complex, Clement Taylor Park Improvements, and Joe's Bayou Boat Ramp Improvements.
- ▣ Community Redevelopment Agency (CRA) Conceptual Planning, Design, Permitting, and Construction Related Services for the City's CRA Districts; Harbor CRA District and Town Center CRA District. Projects include: Harbor Boardwalk, Mountain Drive Improvements, Main Street Improvements, and Heritage Park and Plaza.
- ▣ Miscellaneous Professional Services across the City including Annexation Study, Stormshutter Hazard Mitigation Projects, Library Roof Assessment, Community Center Roof Assessment, and Grant Writing and Applications.



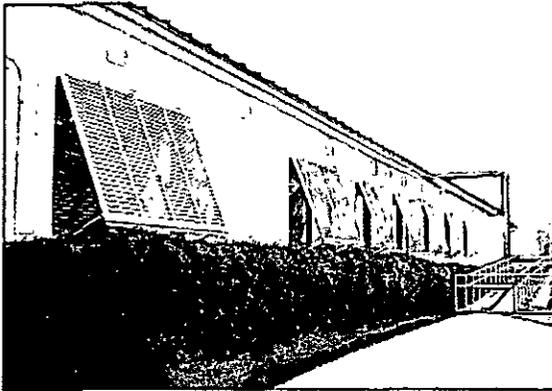
TETRA TECH

General Consulting Services
City of Destin, Florida

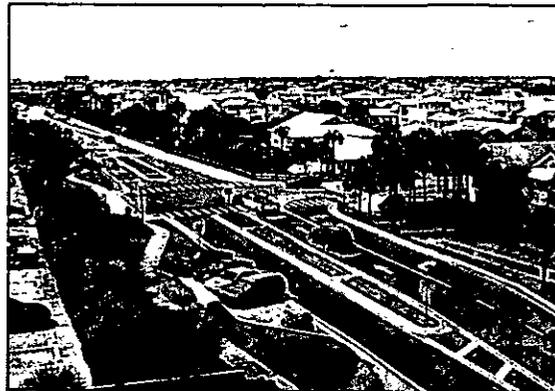
Stormwater Engineering:



Water Quality Improvement Program
Forest / Stahlman / Calhoun Drainage
Stahlman Avenue Drainage Improvements



Hazard Mitigation Stormshutter Retrofit



Scenic 98 Streetscape Project included drainage, roadway, intersection, pedestrian, and landscape improvements



March 2011

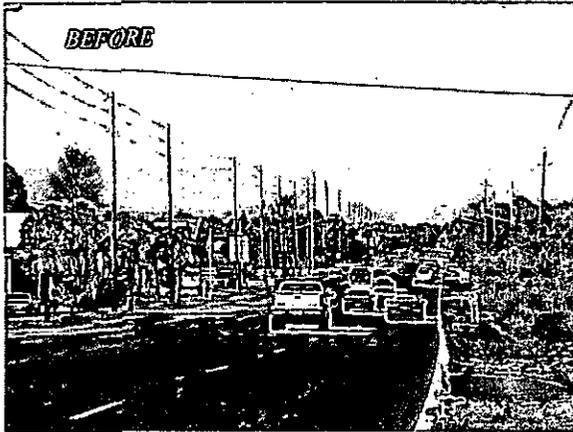
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TETRA TECH

General Consulting Services
City of Destin, Florida

Stormwater Engineering:



Main Street CRA Streetscape Improvements:
Project included Gulf Power's largest conversion of overhead utilities to underground

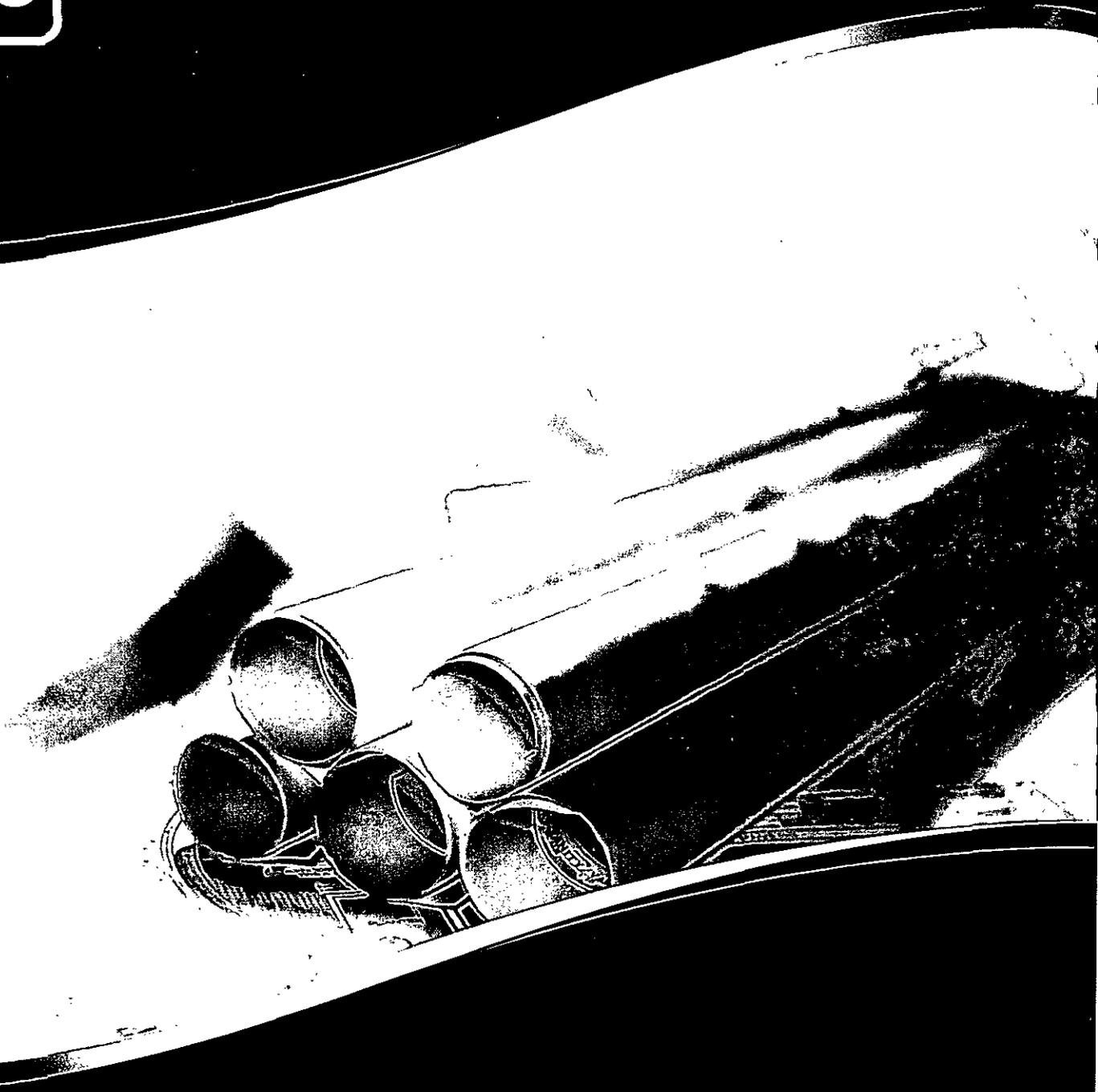


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