(RFQ) PW 14-02

Construction, Engineering and Inspection Services for the Doyle Road Reclaimed Water Main Project

Statement of Qualifications

TETRA TECH

January 9, 2014

CITY OF DELTONA, FLORIDA **PUBLIC WORKS DIVISION**	RFQ NO: PW 14-02 ISSUED BY: BRIAN BOEHS PURCHASING AGENT PHONE NO: (386) 878-8955 FAX NO (386) 878-8971 EMAIL: bboehs@deltonafl.gov
SUBMIT QUALIFICATIONS PACKAGE PRIOR TO: **CLOSING DATE: Thursday, January 9, 2014** **CLOSING TIME: 2:00 p.m.**	**SUBMIT TO:** **BRIAN BOEHS, PURCHASING AGENT** **255 ENTERPRISE ROAD, DELTONA, FL 32725** **FAX / E-Mail not accepted**

PROJECT TITLE & DESCRIPTION:

CONSTRUCTION, ENGINEERING AND INSPECTION (CEI) SERVICES
FOR THE FOLLOWING PROJECT:
DOYLE ROAD RECLAIMED WATER MAIN PROJECT

The respondent hereby agrees to furnish the services pursuant to all requirements, specifications, and scope of services contained in this solicitation document, and further agrees that the language of this document shall govern in the event of a conflict with his or her response. By my signature I certify that this response is made without prior understanding, agreement, or connection with any corporation, firm, business entity, or person submitting a response for the services, and is in all respects fair and without collusion or fraud.

THIS FORM MUST BE SIGNED TO BE CONSIDERED FOR AWARD

COMPANY NAME: Tetra Tech, Inc.		DATE: January 8, 2014
MAILING ADDRESS: 201 East Pine Street, Suite 1000		PHONE: 407.839.3955 FAX: 407.839.3790
CITY: Orlando	STATE: Florida	ZIP: 32801
TITLE OF AUTHORIZED REPRESENTATIVE: William D. Musser, PE, Vice President		
E-MAIL: william.musser@tetratech.com		WEB URL: www.tetratech.com
AUTHORIZED SIGNATURE:		PRINTED NAME: William D. Musser, PE

Table of Contents

TETRA TECH

January 9, 2014

City of Deltona
Public Works Division, C/O Brian Boehs
Purchasing Agents Office
255 Enterprise Road
Deltona, Florida 32725

RE: CEI Services for the Doyle Road Reclaimed Water Main Project; RFQ No. PW 14-02

Dear Selection Committee Members,

Successful projects begin with the commitment of a qualified and experienced team who offers exceptional project management, technical expertise, and a unique understanding of each project. Tetra Tech is known for providing responsive, quality engineering services to the City of Deltona since 2002, and we are committed to continuing to serve the City in this capacity. Key attributes enabling Tetra Tech's continued exceptional service to the City of Deltona include:

- **Local Knowledge** – Through our previous experience, we have worked with City staff to successful complete over 100 projects with the City of Deltona and have a unique understanding of the local area and regulatory climate. Additionally, our local office philosophy allows the City to benefit from the best of both worlds; local, personalized service with nationally recognized resources.
- **In-House Services** – Tetra Tech has in-house capabilities to serve the City for this contract. Our staff includes professional civil, environmental, structural, and electrical engineers; architects; financial consultants; and surveyors. With over 500 employees in Florida, Tetra Tech has the resources to complete any project assigned through this contract. Additionally, we have supplemented our team with a few subconsultants to strengthen our services.
- **Availability/Commitment to the City** – Our team is available and committed to dedicate the necessary resources to the City immediately for the timely delivery of all projects. We have demonstrated this during the previous decade of responsive service to the City.
- **Project Team** - Tetra Tech is committed to providing the City of Deltona a qualified staff of professionals engineers and FDOT CTQP-certified inspectors to complete any task assignment. We are committing the same project team members who worked on previous assignments for this contract.

Project Team

Our ability to provide the scope of services to meet the City's expectations is a result of our Project Manager's experience and an effective project team. Roderick Cashe, PE, who has managed over 40 projects for the City of Deltona, will serve as the overall Project Manager and will work as an extension of the City's staff so that all project requirements are met on-time, within budget, and up to the standards set forth by the City. Mr. Cashe is our most qualified Project Manager for this contract and has an established relationship with the City through numerous previous projects. His key task manager, Michael Saxton, PE, is currently performing similar inspection services for Utilities on this very right-of-way.

Tetra Tech
201 E. Pine Street, Suite 1000, Orlando, Florida 32801
Tel 407.839.3955 Fax 407.839.3790 www.tetratech.com

TETRA TECH

We are able to provide all services in house by utilizing our network of more than 14,000 professionals which includes Ardaman & Associates, a Tetra Tech Company.

Proven Track Record of Success

Our approach, methodology and philosophy toward providing infrastructure services reflects our commitment and ability to deliver a comprehensive product which meets the City's goals. We understand the unique requirements of construction, engineering and inspection (CEI) services contracts and are available to respond immediately and provide solutions on-time and within budget.

Summary

Tetra Tech's passion and energy for this contract derives from our excitement to better our communities. We are committed to continuing our strong relationship with the City of Deltona built on mutual trust and professionalism and look forward to your favorable consideration.

Sincerely,
Tetra Tech

William D. Musser, PE
Vice President

Tab 1. Executive Summary

FIRM PROFILE AND CAPABILITIES

Tetra Tech, Inc., is pleased to submit our Statement of Qualifications (SOQ) to the City of Deltona for **Construction, Engineering and Inspection (CEI) Services for the Doyle Road Reclaimed Water Main Project**. We have assembled a team of professionals who are extremely qualified to provide the services to meet your needs for this project. Tetra Tech has successfully completed CEI services for the City on over sixty (60) projects involving water and wastewater utilities and stormwater management systems for over a decade.

Tetra Tech has proudly served the City of Deltona providing professional engineering services since 2002. We have a proven track record with the City with a portfolio of more than 100 successful projects over the past twelve (12) years from minor water line replacements to the design of water and wastewater treatment facilities and system-wide stormwater, water, and wastewater master planning. CEI services were included in nearly every project we have partnered on with the City, and we have always performed this work with our in-house staff. Our past experience with the City incorporates the scope of services presented in the Request for Qualifications (RFQ) including:

- General Utility Engineering Services
- On-site Construction Inspection
- Sampling and Testing including Geotechnical Services
- Utility Coordination
- Final Inspections and Coordination Activities with Florida Department of Transportation (FDOT)/Florida Department of Environmental Regulation (FDEP)/Volusia County/ Health Department/Engineer of Record
- Coordination of Activities with Contractor and City Staff

Tetra Tech will perform this project with our in-house staff who is familiar with the City, County and Doyle Road and located at our local Orlando design headquarters, and supplemented with some of our full time FDOT Construction Training Qualification Program (CTQP)-certified construction inspectors that work throughout the state from our various central Florida construction inspections offices to provide all services required in this RFQ. In addition, our efforts will include review and coordination of geotechnical services and the in-house ability to perform the geotechnical field work itself through Ardaman & Associates, Inc., a Tetra Tech Company. This capability allows our staff to be more efficient as we can reduce a layer of communication by eliminating another outside vendor. We will be glad to work with another vendor at the City's discretion, and our experienced staff can act as another layer of quality control if that is the City's preference.

Tetra Tech is a leader in the engineering industry, **providing consulting services with nearly 30 offices throughout Florida, with our regional infrastructure headquarters in Orlando**. Our approach, methodology

and philosophy toward providing infrastructure services reflect our commitment and ability to deliver a comprehensive product that meets the goals of our clients.

Tetra Tech was founded in 1966. Tetra Tech provides growing communities with facilities and systems to improve the quality of life and protect public health and safety. We design and construct facilities for water supply, water treatment, wastewater treatment, stormwater management, transportation networks, commercial and public facilities, educational facilities, and leisure facilities. We have a leadership position in water resource and environmental management, emphasizing solving critical problems in watershed management, groundwater cleanup, and environmental restoration to ensure clean water supply, productive reuse of economic assets, and sustainable development of natural resources.

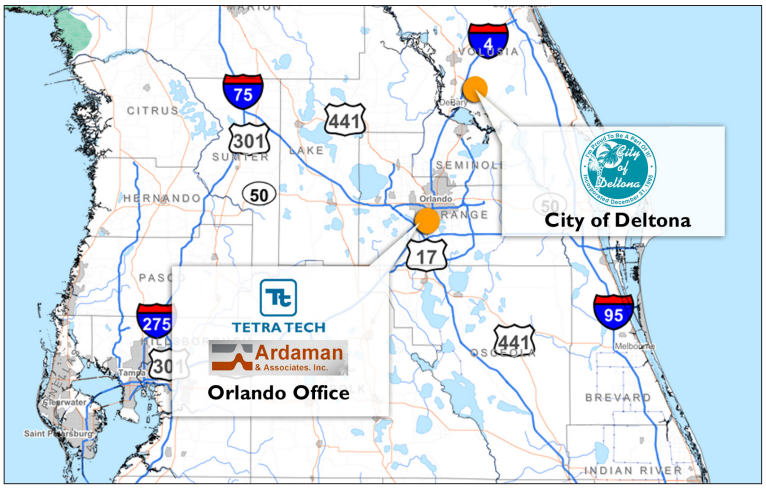
Our firm is committed to provide quality service and cost-effective-solutions for all of our clients. Our award-winning team has been recognized for innovation and dedication over the years, and we bring that perspective to each new project. ***Engineering News-Record (ENR) currently ranks Tetra Tech No. 1 in Water, No. 2 in Transmission Mains and Aqueducts, and No. 8 among the Top 500 Design Firms in the U.S.***

TIME AND BUDGETARY REQUIREMENTS

Tetra Tech has been serving clients throughout the United States for over 40 years. We would not have been able continue to develop our experience and capabilities over the years if we were not able to satisfy the needs of our clients by completing projects on time and within budget. In order to maintain that the schedule and budgets are met, all of Tetra Tech's projects undergo thorough reviews by our independent Quality Assurance/Quality Control (QA/QC) team. Our entire team, including QA/QC, will work closely with City staff to oversee the construction improvements progress efficiently and timely throughout the various project milestones. We have team members with experience preparing detailed Opinions of Probable Construction Costs (OPCC) to compare to potential Contractor requests for change orders to the contract. Our cost estimating has been developed around years of performing similar projects, coupled with tracking current trends in the construction industry and through internal quality assurance. The Tetra Tech team has the knowledge to identify potential roadblocks and the experience to have solutions to work with the City to meet the time and budget requirements of the project.

PROXIMITY TO THE CITY OF DELTONA

Tetra Tech is committed to providing the City of Deltona with on-time, responsive service without delays. ***The City of Deltona will be served from our infrastructure design center located in downtown Orlando, which is approximately 25 miles (30-minute drive) from the City of Deltona.*** Tetra Tech's office proximity will facilitate coordination and good communication between the Tetra Tech team and City staff, which is essential to successful completion of the project. Our geotechnical and testing staff at Ardaman & Associates will be out of the Orlando office.



AUTHORIZED REPRESENTATIVE

William D. Musser, PE, Vice President/Technical Resources Manager at Tetra Tech, is authorized to make representations for our firm and will be the signer on the proposal. Mr. Musser's contact information is provided as follows:

William D. Musser, PE
Vice President/Technical Resources Manager
201 E. Pine Street, Suite 1000
Orlando, FL 32801
Phone: 407.480.3955
Fax: 407.839.3790

Tetra Tech confirms that the proposal is in all respects fair and in good faith without collusion or fraud and that Mr. Musser, the signer of the proposal, has the authority to bind the principal proponent.

EXPERIENCE AND PAST PERFORMANCE

Tetra Tech brings to the City of Deltona over a decade of relevant experience in design and construction inspection of utility projects not only for the City of Deltona, but for many communities in the Central Florida area and Volusia County. We have served in the same capacity for over a half dozen cities in Volusia County and we are construction inspectors for large FDOT projects throughout the State of Florida. Recently, we completed two large entrance way and highway beautification projects for the City of New Smyrna Beach in Volusia County under joint funding of the FDOT and the City. We have been the inspection and certification engineer for over 20 utility projects for the City of Deltona and over 40 in the area of stormwater management improvements since 2002. We have a large staff here in Central Florida that are available and experienced not only in the design of reclaimed water lines but in their construction and certification.

The past performance of Tetra Tech responding to the City's needs whether in times of emergency, during times of litigation, or simply every day practice has always been a proven track record of responsive and competent service. We have already provided design and inspection services for other utility and stormwater projects on Doyle Road so we are also very familiar with the specific route of the work to be inspected in this project.

CONCLUSIONS

Tetra Tech brings to the City of Deltona extensive experience relevant to the Doyle Road Reclaimed Water Main Project. Tetra Tech is thoroughly knowledgeable with the City's preferences in conducting construction services. Also, Tetra Tech is very knowledgeable in the local regulations, geology, agencies, and construction conditions for this project. Our team is led by seasoned senior members of the firm who bring the experience and ability to commit the resources of the firm to provide you with the services that you require. These team members have worked closely on many similar projects including multiple, similar projects for the City of Deltona. We greatly appreciate the opportunity to be considered for providing these services and look forward to being able to present our qualifications and experience to you.

Tab 2. Understanding of the Project and Project Requirements

PROJECT UNDERSTANDING

The City of Deltona recently contracted the firm of Quinton Hampton to design a reclaimed water main beginning approximately 500 feet west of the intersection of SR 415 and Doyle Road and extending along Doyle Road to the intersection of Doyle Road and Alexander Avenue including open trench and trenchless installation. The purpose of this project is for the CEI engineer to assume responsibility for the construction engineering related services such as inspection, draw requests, testing inspections, responding to request for information (RFIs,) shop drawing reviews, certifications, and related tasks through the successful completion of the project. In order to provide efficient and successful completion of the CEI services, we offer the following understanding of the project and project requirements.

Tasks and Personnel Requirements

Select text from the RFQ is presented in *italics* below to help illustrate the Tetra Tech teams' understanding of the project requirements. Details of tasks, personnel requirements, estimated hours, and any other resources needed follow each excerpt. Please note that a range of estimated hours per week are provided for all staff members that may provide professional services for a given task grouping and not all staff members are expected to provide the estimated hours cumulatively on a regular basis.

A. On Site Inspection

The Consultant shall monitor the Contractor's on-site construction activities and inspect materials entering into the work in accordance with the Plans. Specifications and Special Provisions for the Construction Contract to determine that the project(s) are constructed in reasonable conformity with such documents. The Consultant shall keep records of the Contractor's daily operations and of significant events that affect the work. Inspections shall be performed with experienced personnel and at a frequency to ensure project is constructed in compliance with the plans, specifications, and applicable permits. Coordinate with City inspection staff as appropriate. City inspection staff will witness all Reclaimed Water Main pressure testing, bacteriological sampling, and roadway crossings.

Consultant shall monitor and inspect the Contractor's Work Zone Traffic Control/MOT and review requested modifications to the Work Zone Traffic Control Plan. It is the sole responsibility of the Contractor to establish and maintain the approved Work Zone Traffic Control.

Tasks	Instruct Contractor to perform preconstruction video work. Coordinate with City staff efforts for preconstruction video and right of entry listing. Conduct progress meetings at regular intervals. Hold as-needed coordination meetings. Perform regular project inspections and provide summary reports of observations. Issue meeting minutes. Issue Engineer's opinions. Respond to RFIs. Coordinate MOT or other notifications for City website. Utilize FDOT-certified CTQP inspectors for Maintenace of Traffic (MOT).
Personnel (hrs/wk)	Roderick Cashe (1-3), Michael Saxton (4-8), Michael Whaley (4-24), Gary Harrison (4-16), Brian Foulkes (0-3), Hernan Lopez (4-16), Susan Hayse (3-20)
Other Resources	Provide cell phone numbers for all key staff for use by City and Contractor personnel.

B. Sampling and Testing

Geotechnical sampling and testing will be performed by a geotechnical/materials testing company under contract with the Consultant, unless Consultant has said capabilities. The Consultant shall monitor the sampling and testing of component materials and completed work in accordance with the Construction contract documents. The Consultant shall provide surveillance of the Contractor's Quality Control activities at the project site and verify the sampling and testing of materials and completed work items that are normally done in the vicinity of the project for verification and acceptance.

Documentation reports on sampling and testing will be provided by the Consultant to the City, and the Contractor.

Tasks Conduct sampling, testing, and reporting activities with Tetra Tech team staff for geotechnical/materials testing. Notification of failed tests. Provide summary reports.

Personnel (hrs/wk) Roderick Cashe (1-3), Michael Saxton (1-2), Shawn Hooker (2-4), Brian Foulkes (0-2), Susan Hayse (1-2), Colin Jewsbury (1-4), Jason Parker (4-8)

Other Resources Tetra Tech/Ardaman field acquisition and lab testing equipment.

C. Engineering Services

The Consultant shall coordinate the Construction Contract administration activities of all parties other than the Contractor involved in completing the construction project. Services include maintaining the required level of surveillance of the Contractor activities; interpreting Plans, Specifications, and Special Provision for the Construction Contract; maintaining complete, accurate records of all activities and events relating to the project and properly documenting all significant project changes. The Consultant shall perform the following services:

a. *Verify that the Contractor is conducting inspections, preparing reports, and monitoring all storm water pollution prevention measures associated with the project.*

b. *Analyze problems that arise on a project and proposals submitted by the Contractor; work to resolve such issues, and process the necessary paperwork.*

c. *Facilitate coordination and communication between Volusia County, Utility Agency's representatives, City's staff and Contractors in execution of the Work. Identify potential utility conflicts and assist in the resolution of utility issues.*

d. *Produce reports, verify quantity calculations and field measure for payment purposes as needed to prevent delays in Contractor operations and to facilitate prompt processing of such information in order for the City to make timely payment to the Contractor.*

e. *Provide Public Information services as required to manage inquiries from the public, public officials, and news media. The City shall approve all notices and responses to news media, etc. prior to release.*

f. *Monitor compliance of the construction activities with all applicable regulatory agency permits and approvals. Advise City as may be appropriate.*

g. *Geotechnical services to include sampling, testing (infield and laboratory), and reporting in accordance with Volusia County specifications for roadway and utility construction. Review test results, approve or disapprove, and advise Contractor and City as appropriate.*

h. *Surveying services only as may be necessary to verify Contractors construction layouts and resolve issues/disputes that may arise with Contractor or residents / property owners.*

i. *Other engineering services as may be deemed required by the City for the successful completion of the project.*

Tasks Field meetings with Contractor in addition to regular progress meetings. Office review of documents by Engineering team members to predict utility coordination issues and resolve Contractor RFIs. Keep project progress notebook(s) and provide summary reports to City staff at regular intervals as desired (weekly, monthly, etc.). Conduct sampling, testing, and reporting activities with Tetra Tech team staff for geotechnical/materials testing. Notification of failed tests. Provide summary reports. Montior compliance with all applicable construction permits. Coordinate resident complaints and questions with City staff and Contractor. Write notification for City website for City review and approval.

Personnel (hrs/wk) Roderick Cashe (2-4), Shawn Hooker (2-8), Michael Saxton (2-4), Brian Foulkes (0-3), Colin Jewsbury (1-4), Brett Messner (4-16), Vince Genco (4-8) Susan Hayse (2-4)

Other Resources Tetra Tech/Ardaman field acquisition and lab testing equipment. Survey staff and equipment. Marketing/PR staff. Graphics staff.

D. Utility Coordination

It shall be the responsibility of the Consultant to monitor utility coordination such that it is in reasonable conformance to Plans and City's standards, policies, procedures and design criteria.

The Utility Coordinator shall be responsible for, but not limited to, the following:

a. *Making sure Utility Coordination is conducted in accordance to the City's standards, policies, procedures and design criteria.*

b. *Scheduling utility meetings, keeping and distribution of minutes of all utility meetings, and ensuring expedient follow-up on all unresolved issues.*

c. *Distributing all plans, conflict matrixes and changes to affected utility owners and making sure this information is properly coordinated.*

d. *Assisting the Engineer-of-Record, City, Volusia County, and the Contractor with resolving utility conflicts.*

e. *Reviewing all Utility Work Schedules.*

Tasks Focus Contractor on providing detailed project schedule very early in the project. Require and review frequent schedule updates. Office review of documents by engineering team members to predict utility coordination issues. Coordinate with utility companies to get staff at progress meeting and/or utility coordination meetings that are knowledgeable and decision makers. Produce summary CAD sketches and/or memos with cost and other back-up information in response to RFIs or field issues. Issue meeting minutes.

Personnel (hrs/wk) Roderick Cashe (1-3), Brian Foulkes (1-2), Shawn Hooker (3-6), Michael Saxton (2-4), Susan Hayse (1-4), Lawrence Jenkins (2-4)

Other Resources Large format color scanner for distribution of utility coordination RGBs mark-ups.

E. Personnel

The Consultant shall staff the project with the qualified personnel necessary to efficiently and effectively carry out its responsibilities under this Agreement.

Once authorized, the Consultant shall establish and maintain an appropriate staff through the duration of construction and completion of the final estimate. Responsible personnel, thoroughly familiar with all aspects

of construction and final measurements of the various pay items, shall be available to resolve disputed final pay quantities until the appropriate Construction Contract has been paid off.

CEI forces will be provided by the Consultant as required to ensure the quality of the construction and conformance with the plans and specifications. City staff will be present while Contractor is working and will coordinate with Consultant as necessary. If Contractor operations are substantially reduced or suspended, the Consultant will reduce its staff appropriately.

Tetra Tech's project management policy has been to commit project team members to a specific project, thereby maintaining project knowledge, in addition to client relationship. In other words, from the beginning through completion of any task, Tetra Tech will commit to the City, the same project team. If additional staff beyond those team members identified within this proposal is necessary, Tetra Tech has the resources available to commit additional team members. You will note that our project team also includes individuals very familiar with City design and construction standards as well as the Doyle Road area including Roderick Cashe, Michael Saxton, Lawrence Jenkins, and Susan Hayse. But we also have included some of our specialized FDOT-certified CTQP inspectors that have joined our organization as our CEI services department in Certified Florida has grown this year to twelve (12) individuals.

As part of the Project Management Plan, Tetra Tech projects man-hour requirements to assure its ability to have adequate staff available to complete project milestones on time. Regardless of the various scheduling tools, commitment of resources is the most critical factor in completing a project in a timely manner. Tetra Tech's workload projections indicate that there will be an abundance of resources available to execute this project for the City.

Tetra Tech is committed to providing the local project team described in this RFQ response. Because ***we are 100 percent local*** and can provide all the services required in this RFQ, ***including testing,*** we have the ability staff up or reduce staff as soon as it is required. Our team has worked closely with City staff for many years and is knowledgeable of their capabilities and how to best supplement them to provide the City with the best level of review and supervision at the most cost efficient level of staffing.

F. Certification of Final Estimates

1. *Final Estimate and As-Built Plans Submittal:*

   Prepare documentation and records in compliance with the Agreement, the drawings, specifications, and the City's procedures.

   Submit the Final Estimate(s) and one set of final "As-Built Plans" documenting Contractor's work (one record set with two copies and one electronic copy for use in EOR's Record Drawings).

   The Consultant shall be responsible for making any revisions to the Certified Final Estimate.

Tasks	Keep on-going summary of project progress notebook(s) and inspection logs to facilite project closeout. Meet with Contractor early in project to coordinate requirements of as-built drawings to minimize EOR request for additional information to certify the project.
Personnel (hrs/wk)	Roderick Cashe (1-4), Brian Foulkes (1-4), Michael Saxton (1-4), Lawrence Jenkins (2-10), Susan Hayse (1-4)
Other Resources	Set up project FTP site to facilitate exchange of project information. Large format color scanner for distribution of utility coordination RGBs mark-ups.

G. Agreement Management

a. *With each monthly invoice submittal, the Consultant Senior Project Engineer will provide a reviewed and approved Status Report for the Agreement. This report will provide the Consultant Senior Project Engineer's accounting of the additional Agreement calendar days allowed to date, an estimate of the additional Agreement calendar days anticipated to be added to the original Agreement schedule time, and estimate of the Agreement Completion Date and an estimate of the Consultant funds expiration date per Agreement schedule for the prime Consultant and for each sub-consultant.*

b. *When the Consultant identifies a condition that will require a Supplemental Amendment Request (SAR) to the Agreement, the Consultant Project Principal or Consultant Senior Project Engineer will communicate this condition/need to the City and request approval in concept. Once received, the Consultant shall prepare and submit the SAR and all accompanying documentation to the City for approval and further processing.*

c. *The Consultant Project Principal or Consultant Senior Project Engineer for the project shall be responsible for performing follow-up activities to determine the status of each SAR submitted to the City.*

Tasks Prepare and distribute monthly status report. Monitor project for potential Supplemental Amendment Request (SAR) items. Coordinate SAR items with Contractor and City. Track and update SAR progress.

Personnel (hrs/wk) Roderick Cashe (1-2), Brian Foulkes (0-2), Michael Saxton (1-4), Susan Hayse (1-4)

Other Resources Set up project FTP site to facilitate exchange of project information.

SCHEDULE

Throughout the firm's history, Tetra Tech has consistently demonstrated an ability to meet our clients' schedules and budgets. As professionals serving many repeat clients, the ability to complete quality work within in a timely fashion has long been an ingredient in building our strong reputation in the industry. Knowing this we carry the same focus on accurate and consistently updated scheduling to our CEI services. An accurate initial construction schedule from the Contractor is the key to a successful project. It not only lays the groundwork for an on-time product by the Contractor but it protects the City's interest in potential delay damage claims by the Contractor. If the contract documents allow, it is preferable to not allow mobilization or progress payments without an approved initial schedule and schedule updates, respectively.

Tab 3. Project Approach and Method

GENERAL

Tetra Tech's approach to CEI Services for the Doyle Road Reclaimed Water Main Project will be focused on: **1) Communication, 2) Organization, and 3) Timeliness**. In our experience, a breakdown in any of these areas during the construction phase can lead to project delays and negative cost implications.

It is our intent to present a plan for the project communication operating procedures at the preconstruction meeting, receive and incorporate feedback for final plan implementation. We find that written inquiries from the Contractor whether by e-mail or facsimile are in the best interests of all parties since it provides clear, definitive direction that can be confirmed at a later date. Routine items will be verbally authorized as typical; however, written communication will be stressed. Additionally, we will coordinate requests that all appropriate utility companies, including Volusia County, be present at the preconstruction meeting. Discussions will be had regarding site coordination, permit conditions, other permits required to be obtained by contractor, shop drawings, directional drill and jack and bore plan submittals and coordination, MOT requirements and the importance of submitting to William Long as soon as possible.

Project organization is key to insuring an on time and quality construction project. **Our team has over 100 years of combined experience with utility pipeline construction projects.** We know how to track shop drawings, RFI, and other critical construction documents to keep the project progressing without important details falling through the cracks.

The last area of focus is timeliness. Tetra Tech will provide timely reviews of Contractor requests for RFIs, shop drawings, and other critical construction documents. Meeting minutes will be provided in one to two business days, and e-mail correspondence and phone calls will be returned the same day. The communication plan will exchange contact information phone numbers to provide the best possible access for timely responses.

In order to provide timely, efficient completion of any project, the work should be broken-down into distinct phases. For this project, the phases include preconstruction and construction administration. Brief descriptions of activities for each phase are presented below.

PRECONSTRUCTION PHASE

The preconstruction phase will consist of familiarization of the 100 percent designed and permitted construction plans and development of Contractor submittal items required prior to initiation of construction. Items include project initial schedule, preconstruction video, preconstruction photos, list of shop drawings to be submitted, and schedule of values.

An accurate initial construction schedule from the Contractor is the key to a successful project. It not only lays the

groundwork for an on-time product by the Contractor but it protects the City's interest in potential delay damage claims by the Contractor. If the contract documents allow, it is preferable to not allow mobilization or progress payments without an approved initial schedule and schedule updates, respectively.

A kick-off meeting with City staff will be held to introduce staff assigned to the project tasks and to discuss project details. Tetra Tech will review the construction documents and compile a list of comments concerning constructability and value engineering issues that the City may want to consider. A coordination meeting will be held with City staff and Engineer of Record to discuss the findings.

CONSTRUCTION PHASE

Although the day-to-day construction may be provided by the City, Tetra Tech will serve as the lead CEI and work closely with the City's designated inspectors to provide the necessary coverage of the Contractors activities. The following tasks are anticipated to be performed in the construction phase:

- Design review and plan revision coordination with Engineer of Record
- Utility coordination and meetings with other utility providers and the City
- Plan, organize and conduct a pre-construction conference
- Establish contractor staging areas
- Participate in the preparation of a pre-construction video that documents the existing condition of facilities along the pipeline corridor
- Coordination of activities with Contractor and City Staff
- Attend monthly progress meetings or more frequent, as needed
- Perform on-site inspections to monitor progress and the quality of work
- Coordinate MOT with City and County (William Long) and City website
- Perform site visits as required for conflict resolutions
- Provide interpretation and clarification of the contract documents when requested (RFIs)
- Review shop drawings for compliance with the contract documents
- Review contractor plans for directional drilling and jack and bore
- Review applications for payment and progress schedules
- Monitor and coordinate geotechnical compaction and pressure testing
- Determine directional drilling and jack and bore staging
- Perform sampling and testing including geotechnical services, as needed
- Review test reports
- Valuate claims and prepare change orders
- Prepare right of entry Agreements and temporary construction easements, if required for private property access
- Public Involvement

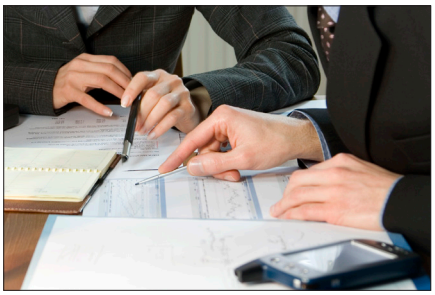
- Administration
  - Document and maintain on-site inspection reports
  - Maintain minutes of all meetings
  - Maintain RFI and shop drawing submittal logs
- As-Built plans coordination with Engineer of Record and Contractor
- Participate in substantial and final completion inspections and prepare punch lists
- Participate in and coordinate final inspections required of regulatory agencies, including Volusia County and FDOT

It is anticipated that the City will handle day-to-day inspection activities, however, if required, Tetra Tech can provide a resident project representative (RPR) on a part-time or full-time basis. For construction meetings, periodic observation, utility conflict resolution, and other construction phase activities, Michael Saxton, PE, will act as Tetra Tech's lead construction professional. Mr. Saxton is located in our Orlando office and is very experienced in pipeline design and construction and has served in this role on other similar projects for the City for the past three years. He can quickly respond to the City's needs and he will be supported by Tetra Tech's other local resources. Electronic technology allows us to communicate via e-mail and share photographs and other documents which makes efficient use of resources at all of our offices. This results in high levels of responsiveness, minimal travel time and the ability to engage specialists for even minor issues or details.

In addition to existing utility coordination preformed during design, continued coordination during construction is essential to stay out in front of any potential conflicts due to change in field conditions. All utility companies with interests along the corridors will be coordinated with during the preconstruction and construction activities to identify the location of their facilities as accurately as possible. It is Tetra Tech's experience that the majority of claims in pipeline construction are related to existing utility conflicts. Despite all of the proactive efforts described above, there will be unforeseeable circumstances that will result in claims by the Contractor for additional compensation or contract time. Tetra Tech's approach to construction conflicts are simple and straightforward, and are summarized below:

1. **Get the Facts Timely.** Tetra Tech staff will quickly ascertain the cause of the conflict with the City's construction staff via phone calls, e-mails, photographs, and site visits. No field conflict should take more than 1 or 2 days to resolve.
2. **Be Fair, Objective, and Honest.** All claims should be evaluated objectively without posturing or advocacy. If there are unforeseeable conditions or an error in the documents that justifies additional compensation, it is best to state this up front and resolve the issue quickly. Similarly, if a claim is without merit, it is not advisable to pay a "nuisance fee" to satisfy the Contractor.
3. **Pay Reasonable Prices and Receive Reasonable Credits.** Tetra Tech has an extensive cost database and our engineers and construction professionals have a firm grasp of fair and equitable costs. Accordingly, this data, in conjunction with the unit prices in the contract, should be used to ensure that both the City and the Contractor are treated fairly in every transaction.
4. **Document Everything.** All phone calls, e-mails, and field visits must be carefully documented and filed, as if there will be future litigation. Tetra Tech has a written procedure and filing system for construction projects

that is used for all projects that has worked well. It is unlikely that the City or Tetra Tech will end up in court with the Contractor, but one of the keys to staying out of court is preparing like there is going to be a lawsuit.



In terms of personnel, our Project Manager, Roderick Cashe, PE, CDT, and Construction and Inspection Task Leader, Michael Saxton, PE, will handle initial conflict resolution and construction problems from a technical standpoint. Each is highly experienced in the City of Deltona and pipeline design and construction and he will be able to quickly address most field issues. He will be supported by Tetra Tech personnel on an as-needed basis. Brian Foulkes, PE, MBA, will oversee QA/QC and any value engineering situations brought to the team's attention. All field conflicts and claims will be handled by working closely with the City and all communication with the Contractor will be made through the City staff.

PROJECT TEAM AVAILABILITY

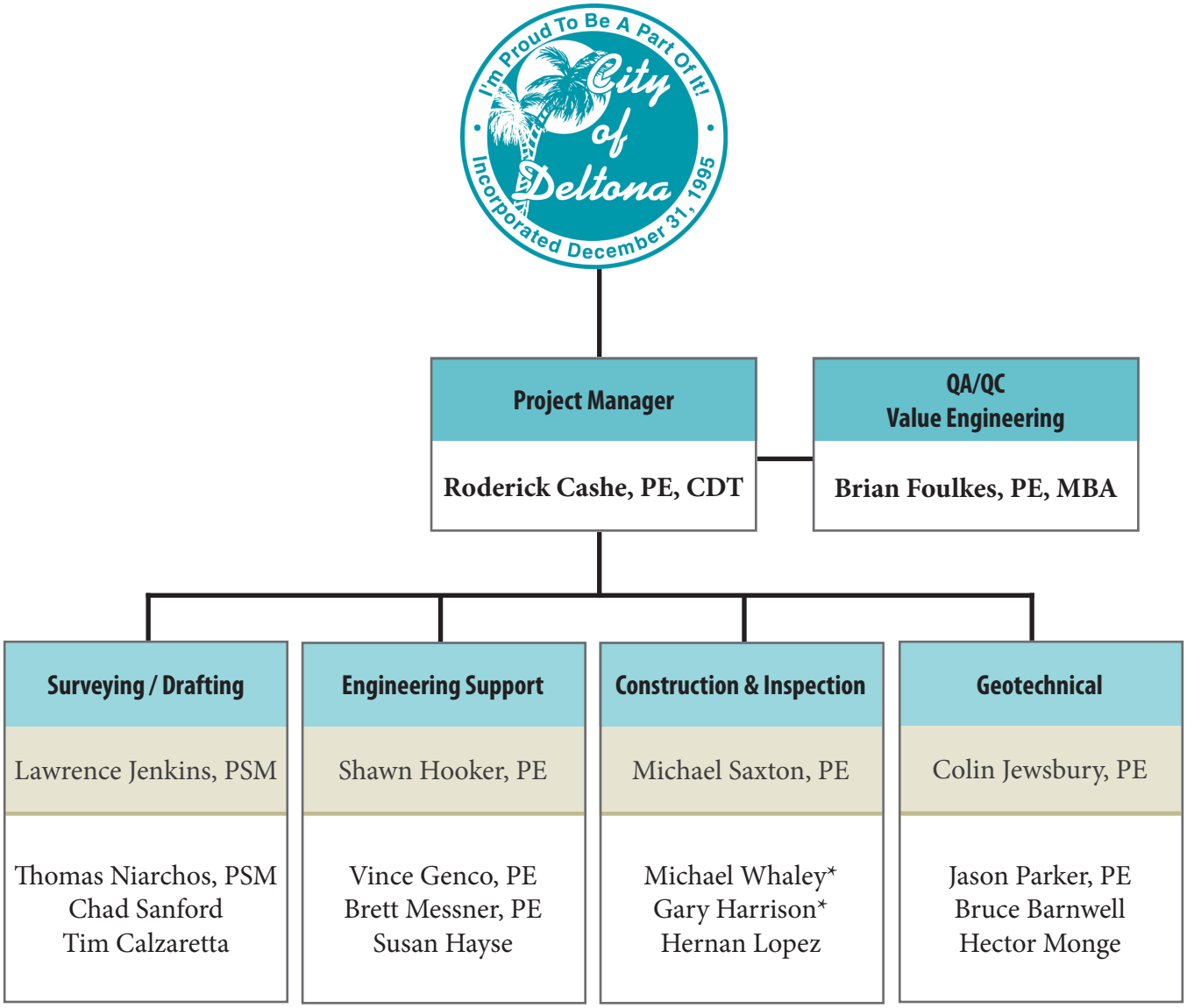
Tetra Tech's approach to CEI services is to serve as an extension of the City's staff, providing additional manpower and resources for completion of a successful project. Tetra Tech will protect the availability of the project team identified for the full project duration.

PROJECT ROADBLOCKS

In Tetra Tech's experience with pipeline construction projects the majority of claims are related to existing utility conflicts. Existing utilities were either not located or differ from the design documents and present a conflict during construction. To avoid this potential roadblock, it is imperative to understand what level of utility location and coordination services were performed during design. This information will be determined based on discussions with the Engineer of Record and through coordination with the existing utility providers prior to construction. Modifications to the alignment can be made in advance of uncovering the potential conflict in advance of construction.

Another potential roadblock is when the as-built alignment of the pipeline(s) does not comply with the design documents. The horizontal and vertical alignment of the proposed pipeline(s) are critical on this project given that the right-of-way of Doyle Road is extremely narrow.

Proposed Team Organization



*** Note: These are Tetra Tech Inspectors that are FDOT CTQP-Qualified.**

Michael Whaley: Asphalt Paving Technician - Level 1; Asphalt Paving Technician - Level 2 ; Asphalt Paving Technician - Level 2; Earthwork Construction Inspection - Level 1; Earthwork Construction Inspection - Level 2; QC Manager

Gary Harrison: Asphalt Paving Inspection - Level I; Asphalt Paving Inspection - Level II; Drilled Shaft Inspection; Earthwork Inspection - Level I; Earthwork Inspection - Level II; FDOT Concrete Field Inspection; Quality Control Manager; Final Estimates - Level I; Auger Cast Pile/Sound Wall Inspection; ACI Concrete Inspection - Grade I; (Florida Licensed Underground Utility & Excavation Contractor No. CUC1223818)

Staffing Matrix

The following matrix provides the names, roles, license, location, and available hours of each proposed team member. It also illustrates which of our team members have previous experience with the City of Deltona.

Name	Role	License(s)	Location	Available Hours	Experience with Deltona
Roderick Cashe, PE, CDT	Project Manager	PE, FL No. 45169	Orlando, FL	1-4	YES
Brian Foulkes, PE, MBA	QA/QC, Value Engineering	PE, FL No. 63928	Orlando, FL	0-3	YES
Lawrence Jenkins, PSM	Surveying / Drafting	PSM, FL No. 5364	Orlando, FL	2-10	YES
Shawn Hooker, PE	Engineering Support	PE, FL No. 75771	Orlando, FL	2-8	NO
Michael Saxton, PE	Construction & Inpsection	PE, FL No. 71506	Orlando, FL	4-8	YES
Colin Jewsbury, PE	Geotechnical	PE, FL No. 58074	Orlando, FL	1-4	YES
Thomas Niarchos, PSM	Surveying / Drafting	PSM, FL 6210	Orlando, FL	2-10	YES
Chad Sanford	Drafting		Orlando, FL	2-4	YES
Tim Calzaretta	Drafting		Orlando, FL	2-4	YES
Vince Genco, PE	Engineering Support	PE, FL No. 76766	Orlando, FL	2-10	NO
Brett Messner	Engineering Support	PE, FL, Pending	Orlando, FL	2-10	YES
Susan Hayse	Engineering Support		Orlando, FL	3-20	YES
Michael Whaley	Construction & Inspection	TIN W40055171*	Orlando, FL	4-24	NO
Gary Harrison	Construction & Inspection	TIN 281612506*	Orlando, FL	4-16	NO
Hernan Lopez	Construction & Inspection		Orlando, FL	4-16	YES
Jason Parker, PE	Geotechnical	PE, FL, No. 65928	Orlando, FL	4-8	YES
Bruce Barnwell	Geotechnical		Orlando, FL	4-8	NO
Hector Monge	Geotechnical		Orlando, FL	4-8	NO

*FDOT CTQP-Qualified

Tab 4. Experience / Ability

The Tetra Tech team is comprised of highly-qualified professionals with relevant experience and technical expertise in professional engineering design and construction services. We have provided services similar to those required by the Doyle Road Reclaimed Water Main Project to numerous cities, towns, and counties throughout the State of Florida and specifically to over a half dozen communities in Volusia County. Tetra Tech's project team has many years of experience, and we have chosen our team for their familiarity with underground utility design and construction, specifically projects involving reclaimed water mains and those involving narrow problematic right of ways. Our inspectors include individuals trained and certified by the FDOT. We are committed to working closely with the City staff to establish a strong team with open communication.

Tetra Tech works with our clients to plan, design, permit, and construct capital improvement projects for growing communities. Such projects include the construction of new systems, upgrades of existing systems, systems evaluations and system improvements for efficiency. Our extensive background has been focused throughout the State of Florida in a variety of specialized projects. Our firm maintains a strong working knowledge of all applicable State and Federal regulations. Tetra Tech has the technical expertise to assist the City of Deltona with all tasks related to CEI Services for the Doyle Road Reclaimed Water Main Project including necessary modifications to of the current design documents, and construction services to assist and coordinate with the engineer-of-record for preparation of As-Built Drawings and to provide regulatory certifications. Tetra Tech previously completed similar projects for the City of Deltona, City of Winter Garden, City of Cape Coral, and Toho Water Authority.

The challenges associated with this project are the very narrow right-of-way along Doyle Road, completion of the utility relocates prior to the work to be performed, large diameter directional drill and keeping customers in service with minimal disruption during the project. Tetra Tech has reviewed the current design drawings and does not foresee any impediments that will hinder this project from proceeding as planned. Tetra Tech is ready to proceed with the City's requested modifications and to provide design and value engineering suggestions.

The following paragraphs summarize the professional qualifications of the proposed key personnel who will be responsible for completion of the Doyle Road Reclaimed Water Main Project. All of these individuals have immediate availability to work on this project. These individuals have been involved in most of the projects Tetra Tech has completed for the City. They have also worked together on a multitude of similar projects throughout the State of Florida and are currently actively working together as a team on other projects. An organization chart, delineating respective responsibilities and team hierarchy, and resumes for key personnel are provided in the Standard Form 330 (SF330) included at the end of this section.

PRIMARY CONTACT

The primary contact person is Roderick Cashe, PE, CDT, and the proposed Project Manager. His contact information is as follows:

Roderick Cashe, PE, CDT
201 E. Pine Street, Suite 1000
Orlando, FL 32801
Phone: 407.480.3906
Fax: 407.839.3790

KEY PERSONNEL SUMMARIES

The team Organizational Chart is presented in the Standard Form 330 located in this section.

Roderick Cashe, PE, CDT - Project Manager

Mr. Cashe has 26 years of experience in the field of general civil engineering, water resource engineering and construction management. He serves as the civil engineering discipline lead for Tetra Tech's southern region. He is very familiar with the City's engineering design and construction engineering and inspection practices having served on Tetra Tech's the team of engineers serving the City since 1999. He has statewide experience in the areas of stormwater management planning and engineering design; roadway design and permitting; infrastructure engineering for utilities including force mains, water mains, gravity sewer and sanitary lift stations; and commercial, institutional, residential and multi-family site development.

He has provided design and construction management services to the City of Deltona for 11 years. His project experience with Deltona includes, but is not limited to: Engineering Design and CEI for the 11th Avenue and Eastern Wastewater Treatment Plant Access Road which included construction of a 20-inch reuse force main, a 12-inch watermain and a 14-inch directional drill watermain; The Ledford Regional Surface Water Treatment Facility which included construction of 1.5 miles of 18-inch stormwater forcemain along Doyle Road; and the Theresa Basin Emergency High Level Overflow. Mr. Cashe has worked with Mr. Foulkes, Mr. Hooker, Mr. Jenkins, and Mr. Jewsbury on similar projects.

Michael Saxton, PE – Project Manager

Mr. Saxton is a water resources engineer with more than nine years of public, private and federal sector consulting experience. His experience in civil engineering includes construction administration, gravity sewer collection systems and transmission mains utilizing open trench and trenchless designs for force mains, water mains and reclaimed water mains, storm water and waste water pump stations, master planning, new and retrofit design, alternative materials evaluation, roadway layout and design, retention/detention water quality improvements, storm sewer networks, hydrologic and hydraulic modeling, floodplain analysis, and water control structure evaluation/design.

Mr. Saxton is accomplished using H2ONET, InfoWATER, WaterCAD and WaterGEMS producing City and County wide hydraulic models of water, wastewater and reclaimed water systems. He has also participated on the construction inspections for ten utility projects within the City and is currently managing the inspection services for the water main installation along Doyle Road.

He has considerable permitting experience having obtained permits through numerous regulatory agencies, including: FDEP, United States Army Corps of Engineers (USACE), Northwest Florida Water Management District

(NWFWMD), St. John's Water Management District (SJRWMD), Southwest Florida Water Management District (SWFWMD), South Florida Water Management District (SFWMD) and Volusia County. Mr. Saxton has worked closely with Mr. Cashe, Mr. Foulkes, Mr. Jenkins, and Mr. Jewsbury on City of Deltona projects.

Shawn Hooker, PE – Engineering Task Leader

Mr. Hooker is a Civil / Utility Engineer regularly involved with developing utility construction drawings for a wide array of municipal and private clients. He will be responsible for the overall technical elements for the engineering design completed by others. In addition, He will support the project team with construction management services including shop drawing review and responding to contractor RFIs. Throughout his career, Mr. Hooker has gained a comprehensive understanding of utility engineering and construction management especially in the area of lift stations and forcemain. Mr. Hooker has served in this role for regional utility projects in the City of Hollywood and Cape Coral, Florida. Mr. Hooker has worked with Mr. Cashe, Mr. Saxton, Mr. Foulkes and Mr. Jenkins on similar projects.

Brian Foulkes, PE, MBA - QA/QC and Value Engineering

Mr. Foulkes is a project manager in the water and wastewater infrastructure planning group at Tetra Tech, with more than 12 years of client-focused and results-oriented consulting experience. He has extensive experience in facilities studies, inspections, hydraulic modeling/evaluations, predesign reports, capital improvement planning, drawings, specifications, contract documents, permitting, bidding, construction administration, operation manuals, and start-up services. His technical experience encompasses the management of multidiscipline design teams and subcontractors on a wide array of assignments including water and wastewater treatment facilities, transmission mains, water supply, high-service pumping stations, residuals processing, wastewater collection, pump stations, odor control, utility master planning and financial planning. Mr. Foulkes has worked with all of the identified key personnel on similar projects.

Colin Jewsbury, PE – Testing Task Leader

Mr. Jewsbury will lead the testing portion of the project as Task Leader. He has worked on many City of Deltona projects providing preliminary geotechnical information. He and his staff have the ability to provide all construction compaction testing and reporting services necessary for the project or to review and certify the work of a third party testing company, if the City prefers that approach. He has worked closely with Mr. Cashe, Mr. Saxton, Mr. Foulkes, and Mr. Parker on many similar projects.

Lawrence Jenkins, PSM – Surveying Support Staff Leader

Mr. Jenkins will provide surveying services on the project as Survey Task Leader. He serves as Vice President at Tetra Tech and has 26 years of experience in office and field land surveying. He has successfully managed hundreds of major survey projects and has established an excellent reputation with clients for providing informed, prompt, efficient quality service. His experience includes as-built surveys, property acquisition surveys, platting, topographic surveys, route surveys, utility surveys, and construction layout. He has worked closely with all of the identified key personnel on many similar projects.

1. STANDARD FORM 330

Part I – Contract-Specific Qualifications		
A. CONTRACT INFORMATION		
1. Title and Location (City and State)		
Construction Engineering and Inspection (CEI) Services for the Doyle Road Reclaimed Water Main Project, Deltona, Florida		
2. Public Notice Date		3. Solicitation or Project Number
January 9, 2014		PW 14-02
B. ARCHITECT-ENGINEER POINT OF CONTACT		
4. Name and Title		
Roderick Cashe, PE, CDT, Project Manager		
5. Name of Firm		
Tetra Tech, Inc.		
6. Telephone Number	7. Fax Number	8. E-Mail Address
407.480.3906	407.839.3790	roderick.cashe@tetratech.com

C. PROPOSED TEAM
(Complete this section for the prime contractor and all key subcontractors)

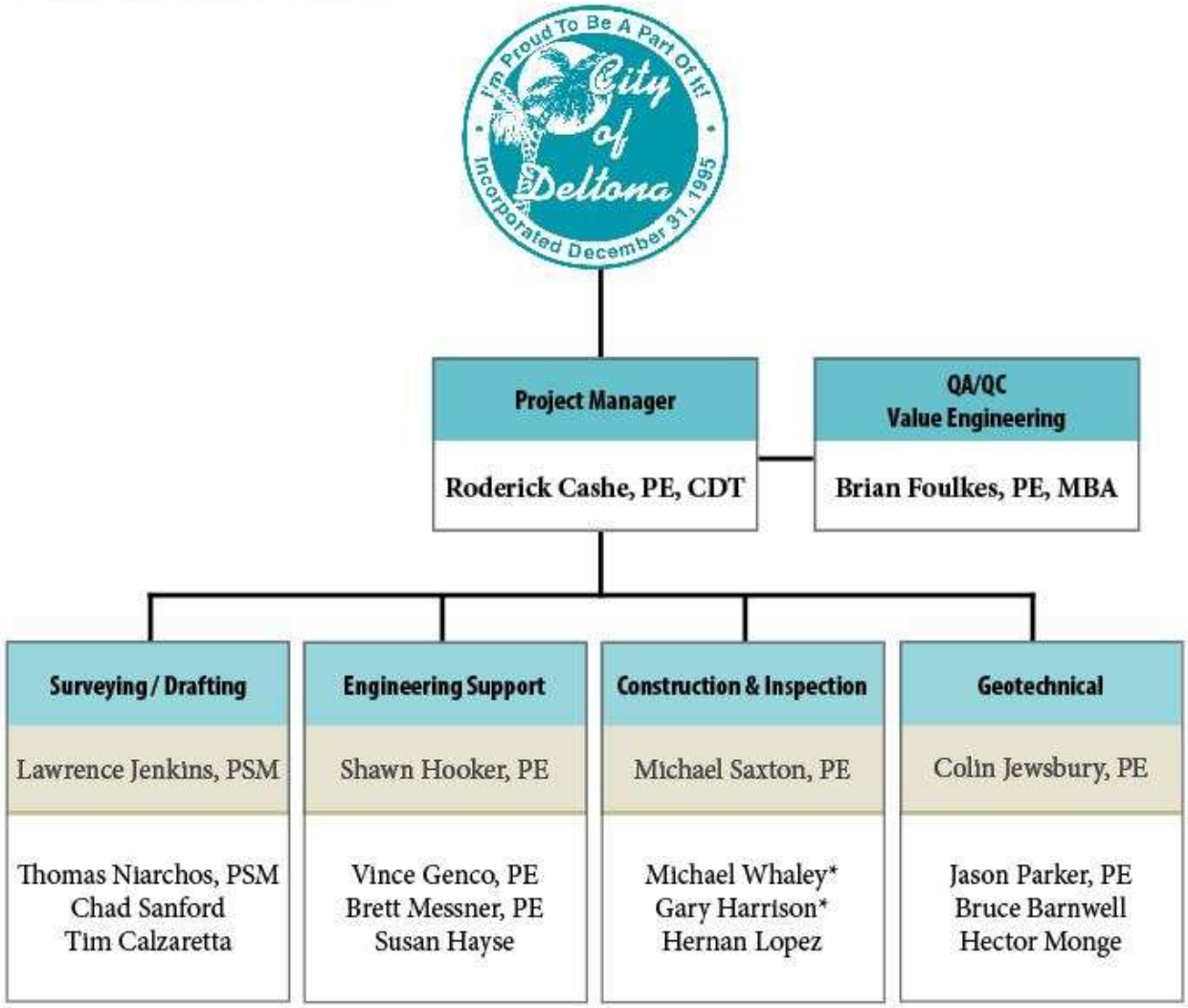
	(Check) Prime	(Check) Teaming Partner	(Check) Sub-contractor	9. Firm Name	10. Address	11. Role in This Contract
a.	✓			Tetra Tech, Inc. ☒ Check if Branch Office	201 E Pine St. # 1000 Orlando, FL 32801	Project Management, QA/QC, Value Engineering, Engineering, Construction, CEI, Surveying, Drafting (CAD)
b.	✓			Ardaman & Associates, Inc. (a Tetra Tech Company) ☒ Check if Branch Office	8008 S. Orange Ave. Orlando, FL 32809	Testing/Geotechnical

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

☒ *(Included on the following page)*

The Organizational Chart on the following page presents the proposed personnel who will provide services under this contract.

Proposed Team Organization



* Note: These are Tetra Tech Inspectors that are FDOT CTQP-Qualified.

Michael Whaley: Asphalt Paving Technician - Level 1; Asphalt Paving Technician - Level 2 ; Asphalt Paving Technician - Level 2; Earthwork Construction Inspection - Level 1; Earthwork Construction Inspection - Level 2; QC Manager

Gary Harrison: Asphalt Paving Inspection - Level I; Asphalt Paving Inspection - Level II; Drilled Shaft Inspection; Earthwork Inspection - Level I; Earthwork Inspection - Level II; FDOT Concrete Field Inspection; Quality Control Manager; Final Estimates - Level I; Auger Cast Pile/Sound Wall Inspection; ACI Concrete Inspection - Grade I; (Florida Licensed Underground Utility & Excavation Contractor No. CUC1223818)

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Roderick Cashe, PE, CDT	Project Manager	26	21

15. FIRM NAME AND LOCATION *(City and State)*	Tetra Tech – Orlando, Florida

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
BS, Civil Engineering, University of Florida, 1987	PE, Florida, No. 45169

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. Relevant Projects

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Doyle Road Water Main Improvements, Deltona, Florida	2013	Ongoing

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Project Manager (08/2013 – Present). Subsequent Project Manager for project after original Project Manager left. The City of Deltona (City) intends to construct water main improvements along a 1.54-mile section of Doyle Road from SR 415 to Courtland Boulevard. The City owns and operates various water utility pipelines that lie within the affected right-of-way. Several of these pipelines will need to be replaced, relocated, or abandoned to accommodate the construction. The Doyle Road water main improvements consist of construction of a new 16-inch PVC WM along the entire length and various improvements on intersecting side streets. Construction methods include open trench methods consistent with the City's utility standards and directional drill and jack and bore methods consistent with the City and County's utility standards. Services included supplemental survey, design, permitting with Volusia County and VCHD, Geotechnical investigation by Ardaman and Associates, and bidding services. Construction is scheduled to begin in 2014 and Tetra Tech is currently providing construction administration services.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Utility Extension Program Southwest Area 6 & 7, Cape Coral, Florida	2013	Ongoing

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Project Manager. Tetra Tech was selected to perform value engineering and plan adoption of a prior design; hydraulic modeling; financial assistance; bidding assistance (including assistance with pre-qualifying contractors); and construction management/construction engineering inspection (CEI) services. Tetra Tech is currently performing value engineering, plan adoption, hydraulic modeling and assisting with development of a pre-qualification format for the City's use. In addition, we are assisting the City with preparing SRF funding documentation. The project are consists of over 4 square miles and over 200 miles collectively of potable water mains and distribution piping, reclaimed water piping, wastewater collection system piping, wastewater force mains, 18 wastewater pumping stations, a reclaimed water booster pumping station and road, drainage and sidewalk improvements.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Continuing Services (On-Call Consultant), City of Deltona, Florida	Ongoing	

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Project Manager for the completion of engineering design, permitting, and construction administration for several stormwater retrofit projects in the City. Project Manager for four stormwater pump stations and forcemains. Served as Project Manager for over five emergency pumping authorizations from the St. Johns River Water Management District to alleviate flooding as a result of 92-inches of rain in the year of 2002.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
11th Avenue and Access Road into Eastern Wastewater Treatment Plant Engineering Design and CEI	2013	

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Project Manager. Project included construction of a 20-inch reuse forcemain, 12-inch water main, and 14-inch directional drill water main. Tetra Tech adopted the 11th Avenue construction drainage and made significant design modifications for bidding and construction. Tetra Tech conducted all engineering design and permitting for the access road into the Eastern Wastewater Treatment plant.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Brian Foulkes, PE, MBA	QA/QC and Value Engineering	12	10

15. FIRM NAME AND LOCATION *(City and State)*	Tetra Tech – Orlando, Florida

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
MBA, Rollins College, 2010; MS, Environmental Engineering, Iowa State University, 2002; BS, Civil Engineering, Iowa State University, 2000	PE, Florida, No. 63928

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. Relevant Projects

a.

(1) TITLE AND LOCATION *(City and State)*: **Howland Boulevard, Phase III, Deltona, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2008; CONSTRUCTION *(if applicable)*: 2008

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

QA/QC for design, permitting, specification preparation and construction management for the utility improvements associated with the roadway widening of Howland Boulevard between Courtland Boulevard and SR 415. The design consisted of upsizing the existing water mains and force mains along Howland Boulevard along with the addition of a reclaimed water main. The design generally consisted of paralleling: 16-inch water main (8,500 LF), 12-inch reclaimed water main (5,000 LF), and 16-inch force main (10,000 LF) including 1,000 LF directional drill.

b.

(1) TITLE AND LOCATION *(City and State)*: **Utility Extension Program Southwest Area 6 & 7, Cape Coral, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013; CONSTRUCTION *(if applicable)*: Ongoing

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Design Engineer. Tetra Tech was selected to perform value engineering and plan adoption of a prior design; hydraulic modeling; financial assistance; bidding assistance (including assistance with pre-qualifying contractors); and construction management/construction engineering inspection (CEI) services. Tetra Tech is currently performing value engineering, plan adoption, hydraulic modeling and assisting with development of a pre-qualification format for the City's use. In addition, we are assisting the City with preparing SRF funding documentation. The project are consists of over 4 square miles and over 200 miles collectively of potable water mains and distribution piping, reclaimed water piping, wastewater collection system piping, wastewater force mains, 18 wastewater pumping stations, a reclaimed water booster pumping station and road, drainage and sidewalk improvements.

c.

(1) TITLE AND LOCATION *(City and State)*: **Southwest Service Area Reuse Improvements, Winter Garden, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2011; CONSTRUCTION *(if applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

QA/QC. The Tetra Tech project team provided route planning, preliminary design, surveying, final design, permitting and construction administration services for approximately 12,500 LF of 8-, 12-, 16- and 20-inch reclaimed water main and six direct interconnections to the City of Orlando's reclaimed water system. Over 7,500 LF of the reuse main was installed, by directional drilling, in the City road right-of-way.

d.

(1) TITLE AND LOCATION *(City and State)*: **Westside Reclaimed Water and Wastewater Transmission Mains, Kissimmee, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2006; CONSTRUCTION *(if applicable)*: 2007

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

QA/QC. The project consisted of 10,240 LF of combination 20- and 24-inch diameter ductile iron (DI) wastewater force main; 18,300 LF of 24-inch DI reuse water main. The wastewater force and reuse mains were constructed in parallel. Multiple segments were installed by means of directional drill in parallel for crossing of jurisdictional wetlands and water bodies. Crossings of the wetland areas via directional drill resulted in no impacts not requiring formal environmental resource permitting. Tetra Tech performed services such as applying for alternative water supply funding, route selection, surveying, easement sketch of descriptions and coordination of easements with property owners, final design document preparation including construction drawings and technical specifications, permitting, and construction administration.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Shawn Hooker, PE	Engineering Task Leader	8	5

15. FIRM NAME AND LOCATION *(City and State)*	Tetra Tech – Orlando, Florida

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Environmental Engineering, 1990	PE, Florida, No. 75771

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. Relevant Projects

a.

(1) TITLE AND LOCATION *(City and State)*: **Utility Extension Program Southwest Area 6 & 7, Cape Coral, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013; CONSTRUCTION *(if applicable)*: Ongoing

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Design Engineer. Tetra Tech was selected to perform value engineering and plan adoption of a prior design; hydraulic modeling; financial assistance; bidding assistance (including assistance with pre-qualifying contractors); and construction management/construction engineering inspection (CEI) services. Tetra Tech is currently performing value engineering, plan adoption, hydraulic modeling and assisting with development of a pre-qualification format for the City's use. In addition, we are assisting the City with preparing SRF funding documentation. The project are consists of over 4 square miles and over 200 miles collectively of potable water mains and distribution piping, reclaimed water piping, wastewater collection system piping, wastewater force mains, 18 wastewater pumping stations, a reclaimed water booster pumping station and road, drainage and sidewalk improvements.

b.

(1) TITLE AND LOCATION *(City and State)*: **Peavy Road Water Main, Marion Howell Oceola Genoa (MHOG) Sewer and Water Authority, Livingston County, MI**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2007; CONSTRUCTION *(if applicable)*: 2007

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Civil/Site Engineer responsible for designing a water main to connect two dead-ends of the MHOG water system and providing water to residents along constructed water main.

c.

(1) TITLE AND LOCATION *(City and State)*: **Gleason Street Road and Utility Improvements, City of Richmond, MI**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2008; CONSTRUCTION *(if applicable)*: 2008

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Civil/Site Engineer responsible for the relocation and upgrade of public utilities along a road improvement project. Project included working with associates out of the Richmond Tetra Tech office.

d.

(1) TITLE AND LOCATION *(City and State)*: **Pump Station No. 12 Improvements and Lakeshore Pointe Force Main Relocation, Genoa-Oceola Sewer and Water Authority, Oceola Township, MI**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2008; CONSTRUCTION *(if applicable)*: 2010

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Civil/Site Engineer responsible for design of a force main relocation and pump station rehabilitation. Tasks include pipeline design, hydraulic calculations, and resident project representative duties for the construction activities.

e.

(1) TITLE AND LOCATION *(City and State)*: **Third Street Pump Station Improvements, City of Brighton, MI**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2010; CONSTRUCTION *(if applicable)*: 2010

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Civil/Site Engineer responsible for design of a pump station rehabilitation project. Tasks include hydraulic calculations, equipment selection, preparation of a construction schedule, preparation of bidding documents, contractor selection and review of shop drawings.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Michael Saxton, PE	Construction & Inspection Task Leader	9	8

15. FIRM NAME AND LOCATION *(City and State)*	Tetra Tech – Orlando, Florida

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
BS, Civil Engineering, University of Central Florida, 2005	PE, Florida, No. 71506

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. Relevant Projects

a.

(1) TITLE AND LOCATION *(City and State)*: **Howland Boulevard, Phase III, Deltona, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2008; CONSTRUCTION *(if applicable)*: 2008

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Project Engineer for design, permitting, specification preparation and construction management for the utility improvements associated with the roadway widening of Howland Boulevard between Courtland Boulevard and SR 415. The design consisted of upsizing the existing water mains and force mains along Howland Boulevard along with the addition of a reclaimed water main. The design generally consisted of paralleling: 16-inch water main (8,500 LF), 12-inch reclaimed water main (5,000 LF), and 16-inch force main (10,000 LF) including 1,000 LF directional drill.

b.

(1) TITLE AND LOCATION *(City and State)*: **Doyle Road Water Main Improvements, Deltona, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013; CONSTRUCTION *(if applicable)*: Ongoing

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Project Engineer. The City of Deltona (City) intends to construct water main improvements along a 1.54-mile section of Doyle Road from SR 415 to Courtland Boulevard. The City owns and operates various water utility pipelines that lie within the affected right-of-way. Several of these pipelines will need to be replaced, relocated, or abandoned to accommodate the construction. The Doyle Road water main improvements consist of construction of a new 16-inch PVC WM along the entire length and various improvements on intersecting side streets. Construction methods include open trench methods consistent with the City's utility standards and directional drill and jack and bore methods consistent with the City and County's utility standards. Services included supplemental survey, design, permitting with Volusia County and VCHD, Geotechnical investigation by Ardaman and Associates, and bidding services. Construction is scheduled to begin in 2014 and Tetra Tech is currently providing construction administration services.

c.

(1) TITLE AND LOCATION *(City and State)*: **Utility Extension Program Southwest Area 6 & 7, Cape Coral, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013; CONSTRUCTION *(if applicable)*: Ongoing

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Design Engineer. Tetra Tech was selected to perform value engineering and plan adoption of a prior design; hydraulic modeling; financial assistance; bidding assistance (including assistance with pre-qualifying contractors); and construction management/ CEI services. Tetra Tech is currently performing value engineering, plan adoption, hydraulic modeling and assisting with development of a pre-qualification format for the City's use. In addition, we are assisting the City with preparing SRF funding documentation. The project are consists of over 4 square miles and over 200 miles collectively of potable water mains and distribution piping, reclaimed water piping, wastewater collection system piping, wastewater force mains, 18 wastewater pumping stations, a reclaimed water booster pumping station and road, drainage and sidewalk improvements.

d.

(1) TITLE AND LOCATION *(City and State)*: **Southwest Service Area Reuse Improvements, Winter Garden, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2011; CONSTRUCTION *(if applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Design Engineer. The Tetra Tech project team provided route planning, preliminary design, surveying, final design, permitting and construction administration services for approximately 12,500 LF of 8-, 12-, 16- and 20-inch reclaimed water main and six direct interconnections to the City of Orlando's reclaimed water system. Over 7,500 LF of the reuse main was installed, by directional drilling, in the City road right-of-way.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Lawrence Jenkins, PSM	Surveying/Drafting Support Task Leader	29	19

15. FIRM NAME AND LOCATION *(City and State)*	Tetra Tech – Orlando, Florida

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
	PSM, Florida, No. 5364

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. Relevant Projects

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Howland Boulevard, Phase III, Deltona, FL	2008	2008

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Surveyor for design, permitting, specification preparation and construction management for the utility improvements associated with the roadway widening of Howland Boulevard between Courtland Boulevard and SR 415. The design consisted of upsizing the existing water mains and force mains along Howland Boulevard along with the addition of a reclaimed water main. The design generally consisted of paralleling: 16-inch water main (8,500 LF), 12-inch reclaimed water main (5,000 LF), and 16-inch force main (10,000 LF) including 1,000 LF directional drill.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
11th Avenue and Access Road into Eastern Wastewater Treatment Plant Engineering Design and CEI	2013	

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Project Manager. Project included construction of a 20-inch reuse forcemain, 12-inch water main, and 14-inch directional drill water main. Tetra Tech adopted the 11th Avenue construction drainage and made significant design modifications for bidding and construction. Tetra Tech conducted all engineering design and permitting for the access road into the Eastern Wastewater Treatment plant.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Southwest Service Area Reuse Improvements, Winter Garden, FL	2011	2012

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Surveyor. The Tetra Tech project team provided route planning, preliminary design, surveying, final design, permitting and construction administration services for approximately 12,500 LF of 8-, 12-, 16- and 20-inch reclaimed water main and six direct interconnections to the City of Orlando's reclaimed water system. Over 7,500 LF of the reuse main was installed, by directional drilling, in the City road right-of-way.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Mitchell Hammock Road, City of Oviedo, Florida	2007	

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Survey Project Manager provided surveying services for approximately 16,000 linear feet (LF) of roadways within older subdivisions of the City limits for the installation of a 16" force main to the newly constructed wastewater treatment plant, the survey was complex with respect to underground utilities, most of the utilities were unknown and limited information was provided. Coordination with public and private utility locators was a key factor for the project success.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Colin Jewsbury, PE	Geotechnical Testing Task Leader	16	11

15. FIRM NAME AND LOCATION *(City and State)*	Ardaman & Associates (a Tetra Tech Company) – Orlando, Florida

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Civil Engineering, University of Warwick, England, 1994 M.S.C., Soil Mechanics, Imperial College, London, 1999	PE, Florida, No. 58074

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. Relevant Projects

a.

(1) TITLE AND LOCATION *(City and State)*: **Doyle Road Water Main Improvements, Deltona, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013 — CONSTRUCTION *(if applicable)*: Ongoing

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Geotechnical Engineer. The City of Deltona (City) intends to construct water main improvements along a 1.54-mile section of Doyle Road from SR 415 to Courtland Boulevard. The City owns and operates various water utility pipelines that lie within the affected right-of-way. Several of these pipelines will need to be replaced, relocated, or abandoned to accommodate the construction. The Doyle Road water main improvements consist of construction of a new 16-inch PVC WM along the entire length and various improvements on intersecting side streets. Construction methods include open trench methods consistent with the City's utility standards and directional drill and jack and bore methods consistent with the City and County's utility standards.Services included supplemental survey, design, permitting with Volusia County and VCHD, Geotechnical investigation by Ardaman and Associates, and bidding services. Construction is scheduled to begin in 2014 and Tetra Tech is currently providing construction administration services.

b.

(1) TITLE AND LOCATION *(City and State)*: **Utility Extension Program Southwest Area 6 & 7, Cape Coral, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013 — CONSTRUCTION *(if applicable)*: Ongoing

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Geotechnical Engineer. Tetra Tech was selected to perform value engineering and plan adoption of a prior design; hydraulic modeling; financial assistance; bidding assistance (including assistance with pre-qualifying contractors); and construction management/construction engineering inspection (CEI) services. Tetra Tech is currently performing value engineering, plan adoption, hydraulic modeling and assisting with development of a pre-qualification format for the City's use. In addition, we are assisting the City with preparing SRF funding documentation. The project are consists of over 4 square miles and over 200 miles collectively of potable water mains and distribution piping, reclaimed water piping, wastewater collection system piping, wastewater force mains, 18 wastewater pumping stations, a reclaimed water booster pumping station and road, drainage and sidewalk improvements.

c.

(1) TITLE AND LOCATION *(City and State)*: **Southwest Service Area Reuse Improvements, Winter Garden, FL**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012 — CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Geotechnical Engineer. The Tetra Tech project team provided route planning, preliminary design, surveying, final design, permitting and construction administration services for approximately 12,500 LF of 8-, 12-, 16- and 20-inch reclaimed water main and six direct interconnections to the City of Orlando's reclaimed water system. Over 7,500 LF of the reuse main was installed, by directional drilling, in the City road right-of-way.

d.

(1) TITLE AND LOCATION *(City and State)*: Sanford Public Safety Complex, Sanford, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2009 — CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Colin serviced as Project Manager for this subsurface soil exploration and geotechnical engineering evaluation on this proposed 3-story Public Safety Complex. Complex was also to include 2 outbuildings and a retention pond.

e.

(1) TITLE AND LOCATION *(City and State)*: City of Apopka Continuing Contract, Orange County, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2011 — CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief Scope, Size, Cost, etc.)* AND SPECIFIC ROLE — ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

Colin as senior geotechnical engineer has provides geotechnical engineering services for this contract for projects which included: pump stations, water and wastewater treatment plants and roadway projects.

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. Example Project Key Number
	1

21. Title and Location (City and State)	22. Year Complete	
	Professional Services	Construction (if applicable)
Howland Boulevard Phase 1 & 2 Water Main and Force Main Improvements Deltona, FL	2008	2008

23. Project Owner's Information

a. Project Owner	b. Point of Contact Name	c. Point of Contact Telephone Number
City of Deltona	Mr. Gerald Chancellor, PE	386.878.8977

24. Brief Description of Project and Relevance to this Contract (Include Scope, Size, and Cost)

The project included design, permitting, and construction administration for a design that consisted of upsizing the existing water main and force mains along Howland Boulevard between Elkcam Boulevard and Courtland Boulevard. The design included upsizing the utilities along the route while avoiding conflicts with the stormwater improvements associated with the roadway and generally consisted of paralleling: 16-inch water main (13,500 LF) and 16-inch force main (12,000 LF) along with 12-, 8-, 6-, and 4-inch water and force main connections and gravity sewer relocation as needed. This project was a joint project with the City of Deltona and Volusia County. The County's roadway engineer conducted the road and stormwater design and provided existing conditions survey and proposed design in electronic (AutoCAD) and hardcopy format. Tetra Tech was tasked with a utilities relocation design that made accommodations for road construction needs while keeping the existing City customers service active. The project had a congested right of way that included power, gas, cable, phone, and in some areas included water and wastewater utilities not owned by the City. Tetra Tech supplied design documents to the roadway engineer so utility coordination could be conducted together, and the project could be bid as one project.

Tetra Tech provided professional services including supplemental survey as necessary, design, permitting, and construction administration. Construction services were provided for all utility relocation work, and Tetra Tech worked in conjunction with the roadway engineer. Tie-ins at intersections were coordinated with City personnel and wet tap or direct connections were utilized, as necessary. Existing utilities consisted of PVC, CI, DIP, and AC and was removed or grout filled and abandoned in place as appropriate by material. The improvements were generally City preferred PVC pipe installed via open trench with DIP pipe installed via open trench and HDPE pipe installed via directional drilling as the design dictated or as required by the joint project agreement with the County for County road crossings.

Construction administration for the project included review of shop drawings, site inspections, attending progress meetings, review of substitutions, review of pay requests, review of changes in the field, and review and preparation of change orders. Construction services were focused on the relocated utilities, however, all correspondence and direction was coordinated closely with the roadway engineer whether by the specific requirements of the JPA with the County or just to provide the best possible project performance result for the City. Tetra Tech saved the City significant money by the thorough review of contractor submitted asbuilt drawings and requiring corrective action immediately. Review of schedule and timeliness of construction by the utility relocation contractor were critical to successful completion of the roadway portion of the projects and known items that may have caused delays were noted well in advance while unknown items were handled swiftly to prevent delays to the projects.

25. Firms from Section C Involved with this Project

	(1) Firm Name	(2) Firm Location (City and State)	(3) Role
a.	Tetra Tech	Orlando, FL	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. Example Project Key Number
	2

21. Title and Location (City and State)	22. Year Complete	
	Professional Services	Construction (if applicable)
Doyle Road Water Main Improvements, Deltona FL	2013	Ongoing

23. Project Owner's Information

a. Project Owner	b. Point of Contact Name	c. Point of Contact Telephone Number
City of Deltona	Mr. Gerald Chancellor, PE	386.878.8977

24. Brief Description of Project and Relevance to this Contract (Include Scope, Size, and Cost)

The City of Deltona (City) intends to construct water main improvements along a 1.54-mile section of Doyle Road from SR 415 to Courtland Boulevard. The City owns and operates various water utility pipelines that lie within the affected right-of-way. Several of these pipelines will need to be replaced, relocated, or abandoned to accommodate the construction. The Doyle Road water main improvements consist of construction of a new 16-inch PVC WM along the entire length and various improvements on intersecting side streets. Construction methods include open trench methods consistent with the City's utility standards and directional drill and jack and bore methods consistent with the City and County's utility standards.

Services included supplemental survey, design, permitting with Volusia County and VCHD, Geotechnical investigation by Ardaman and Associates, and bidding services. Construction is scheduled to begin in 2014 and Tetra Tech is currently providing construction administration services.

25. Firms from Section C Involved with this Project

	(1) Firm Name	(2) Firm Location (City and State)	(3) Role
a.	Tetra Tech	Orlando, FL	Prime
b.	Ardaman	Orlando, FL	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. Example Project Key Number
	3

21. Title and Location (City and State)	22. Year Complete	
	Professional Services	Construction (if applicable)
Utility Expansion Program Southwest Area 6 & 7, Cape Coral, FL	2009	2009

23. Project Owner's Information

a. Project Owner	b. Point of Contact Name	c. Point of Contact Telephone Number
City of Cape Coral	Mr. Jody Sorrels, PE	239.242.3227

24. Brief Description of Project and Relevance to this Contract (Include Scope, Size, and Cost)

The Rosen Brothers began development of the City of Cape Coral in 1957, with City incorporation in 1970. The initial plan was for development of over 350,000 residential lots and a projected population of over 400,000. Today, the City has nearly 170,000 residents, is the 3rd largest city geographically in the state of Florida. As development continued, centralized water and wastewater services were added. However, as development began to outpace the rate at which centralized services could be provided, water and wastewater service had to begin to be provided through on-site wells and septic tank/drain field systems. Although the City did expand service as funds were available, the pace of growth far exceeded the utility extension pace. As such, the City developed and adopted a Utilities Master Plan which outlined the UEP in a phased approach that would ultimately extend water, wastewater and reclaimed water service to virtually all areas south of Pine Island Road (SR 78) and some areas north of Pine Island Road. Following adoption of the Utilities Master Plan, the UEP proceeded with the completion of Southwest 1, 4 and 5, with the design and permitting completed for Southwest 6 & 7 in August 2008. In fact, the project had actually proceeded through bidding before the project was halted.

In 2012, City Council voted to continue with the UEP and selected Tetra Tech to perform value engineering and plan adoption of the prior design; hydraulic modeling; financial assistance; bidding assistance (including assistance with pre-qualifying contractors); and construction management/construction engineering inspection (CEI) services. Tetra Tech is currently performing value engineering, plan adoption, hydraulic modeling and assisting with development of a pre-qualification format for the City's use. In addition, we are assisting the City with preparing SRF funding documentation. The project are consists of over 4 square miles and over 200 miles collectively of potable water mains and distribution piping, reclaimed water piping, wastewater collection system piping, wastewater force mains, 18 wastewater pumping stations, a reclaimed water booster pumping station and road, drainage and sidewalk improvements. The Rosen Brothers began development of the City of Cape Coral in 1957, with City incorporation in 1970. The initial plan was for development of over 350,000 residential lots and a projected population of over 400,000. Today, the City has nearly 170,000 residents, is the 3rd largest city geographically in the state of Florida. As development continued, centralized water and wastewater services were added. However, as development began to outpace the rate at which centralized services could be provided, water and wastewater service had to begin to be provided through on-site wells and septic tank/drain field systems. Although the City did expand service as funds were available, the pace of growth far exceeded the utility extension pace. As such, the City developed and adopted a Utilities Master Plan which outlined the UEP in a phased approach that would ultimately extend water, wastewater and reclaimed water service to virtually all areas south of Pine Island Road (SR 78) and some areas north of Pine Island Road. Following adoption of the Utilities Master Plan, the UEP proceeded with the completion of Southwest 1, 4 and 5, with the design and permitting completed for Southwest 6 & 7 in August 2008. In fact, the project had actually proceeded through bidding before the project was halted.

In 2012, City Council voted to continue with the UEP and selected Tetra Tech to perform value engineering and plan adoption of the prior design; hydraulic modeling; financial assistance; bidding assistance (including assistance with pre-qualifying contractors); and construction management/CEI services. Tetra Tech is currently performing value engineering, plan adoption, hydraulic modeling and assisting with development of a pre-qualification format for the City's use. In addition, we are assisting the City with preparing SRF funding documentation. The project are consists of over 4 square miles and over 200 miles collectively of potable water mains and distribution piping, reclaimed water piping, wastewater collection system piping, wastewater force mains, 18 wastewater pumping stations, a reclaimed water booster pumping station and road, drainage and sidewalk improvements.

25. Firms from Section C Involved with this Project

	(1) Firm Name	(2) Firm Location (City and State)	(3) Role
a.	Tetra Tech	Orlando, FL	Prime
b.	Ardaman	Orlando, FL	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. Example Project Key Number
	4

21. Title and Location (City and State)	22. Year Complete	
	Professional Services	Construction (if applicable)
Southwest Service Area Reuse Improvements, Winter Garden, FL	**2011**	**2012**

23. Project Owner's Information

a. Project Owner	b. Point of Contact Name	c. Point of Contact Telephone Number
City of Winter Garden	Mr. Donald Cochran	407.656.4111 ext. 2263

24. Brief Description of Project and Relevance to this Contract (Include Scope, Size, and Cost)

Residential growth in the southwest area of the City of Winter Garden created the need for expansion of the City's reuse water system to serve future development. The Tetra Tech project team provided route planning, preliminary design, surveying, final design, permitting and construction administration services for approximately 12,500 LF of 8-, 12-, 16- and 20-inch reclaimed water main and six direct interconnections to the City of Orlando's reclaimed water system. Over 7,500 LF of the reuse main was installed, by directional drilling, in the City road right-of-way.

Preliminary design services involved an alternative analysis to include: route, consideration of alternative trenchless technologies, pipe material evaluations, coordination with various utilities, development of pipeline alignments, cost estimates and preparation of a technical memorandum that summarized the findings, conclusions, and recommendations from the preliminary engineering effort. Final design services included preparation of construction drawings and specifications involving standard plan and profile sheets, appurtenant details, and technical specifications in CSI format.

Under the permitting services portion of the project Tetra Tech obtained permits from Orange County Public Works and the FDOT for right-of-way utilization. The project design and permitting was fast-tracked to meet an accelerated schedule, which allowed the City to meet a commitment to utilize State Revolving Funds Grant money. Services also included bidding services and public relations facilitation. Construction administration services involved shop drawing review, provision of a resident project representative, review of payment applications, preparation of record drawings, certifications and other typical construction phase tasks.

25. Firms from Section C Involved with this Project

	(1) Firm Name	(2) Firm Location (City and State)	(3) Role
a.	Tetra Tech	Orlando, FL	Prime
b.	Ardaman	Orlando, FL	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. Example Project Key Number
	5

21. Title and Location (City and State)	22. Year Complete	
	Professional Services	Construction (if applicable)
Westside Reclaimed Water and Wastewater Transmission Mains Kissimmee, FL	2007	2007

23. Project Owner's Information		
a. Project Owner	b. Point of Contact Name	c. Point of Contact Telephone Number
Tohopekaliga Water Authority	Ms. Deborah Beatty, PE	407.518.2254

24. Brief Description of Project and Relevance to this Contract (Include Scope, Size, and Cost)

The Westside Wastewater and Reuse Transmission Mains project consisted of 10,240 LF of combination 20- and 24-inch diameter DI wastewater force main; 18,300 LF of 24-inch DI reuse water main. The wastewater force and reuse mains were constructed in parallel. Multiple segments were installed by means of directional drill in parallel for crossing of jurisdictional wetlands and water bodies. Crossings of the wetland areas via directional drill resulted in no impacts not requiring formal environmental resource permitting. Tetra Tech performed services such as applying for alternative water supply funding, route selection, surveying, easement sketch of descriptions and coordination of easements with property owners, final design document preparation including construction drawings and technical specifications, permitting and construction administration. The Westside Project was crucial to expand TWA's Wastewater and reuse systems to serve a proposed development, Westside Development. Therefore Tetra Tech pursued and obtained Alternative Water Supply Funding grant in the amount of $1,557,117.00 for TWA to apply towards the cost of construction. Tetra Tech was able to meet all requirements for the funding deadlines as well as to expedite the project to assure that the development would have wastewater and reuse service prior to completion of construction of the Westside Development.

Tetra Tech obtained permits from Osceola County for right-of-way utilization, FDEP for construction of wastewater and reuse transmission mains, FDOT for construction under State Road 429, as well as environmental resource permitting through FDEP. Environmental resource permitting was limited to preparation of an ecological report with FDEP coordination to demonstrate diminus impacts not requiring wetland.

The project was designed to incorporate horizontal directional drills to alleviate impacts to wetland areas and crossing of Davenport Creek, therefore no wetland mitigations were required. The horizontal directional drills were installed in parallel with separator as required by the FDEP.

25. Firms from Section C Involved with this Project

	(1) Firm Name	(2) Firm Location (City and State)	(3) Role
a.	Tetra Tech	Orlando, FL	Prime

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS						
26. Names of Key Personnel (From Section E, Block 12)	27. Role in this Contract (From Section E, Block 13)	28. Example Projects Listed in Section F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)				
		1	2	3	4	5
Roderick Cashe, PE, CDT	Project Manager/Construction Activities		X	X		
Brian Foulkes, PE, MBA	QA/QC and Value Engineering	X		X	X	X
Shawn Hooker, PE	Engineering Task Leader			X		
Michael Saxton, PE	Construction and Inspection Task Leader	X	X	X	X	
Lawrence Jenkins, PSM	Surveying/Drafting Support Task Leader	X	X		X	X
Colin Jewsbury, PE	Geotechnical Testing Task Leader		X	X	X	

29. Example Projects Key	
No.	Title of Example Project (From Section F)
1	Deltona Howland Blvd. Phase 1 & 2 Water Main and Force Main Improvements
2	Deltona Doyle Road Water Main Improvements
3	Cape Coral Utility Expansion Program Southwest Area 6 & 7
4	Winter Garden Southwest Service Area Reuse Improvements
5	Toho Water Authority Westside Reclaimed Water and Wastewater Transmission Mains

H. ADDITIONAL INFORMATION

ENR RANKINGS

Tetra Tech consistently ranks among the top engineering firms annually according to *Engineering News-Record* (ENR). Tetra Tech's 2013 ENR rankings include:

PROOF OF PROFESSIONAL LIABILITY INSURANCE

Tetra Tech's insurance coverage has never been canceled nor exercised against our coverage. Tetra Tech's insurance policies are issued by companies authorized by subsisting certificates of authority issued to our insurance company by the Department of Insurance of the State of Florida to conduct business in the State and which maintain a Best's Rating of "A+" or better according the A.M. Best Company. Our insurance company has a Best's Rating of "A+" and a size category of "XV". A copy of our current insurance certificate is provided.

I. AUTHORIZED REPRESENTATIVE *(The foregoing is a Statement of Facts)*	
31. Signature	**32. Date**
	January 8, 2014
33. Name and Title	
William D. Musser, PE, Vice President	

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*:

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME	3. YEAR ESTABLISHED	4. DUNS NUMBER
Tetra Tech -- Orlando	1966	801215968

2b. STREET	5. OWNERSHIP
201 E. Pine St., Suite 1000	a. TYPE: Corporation

2c. CITY	2d. STATE	2e. ZIP CODE	b. SMALL BUSINESS STATUS
Orlando	Florida	32801	N/A

6a. POINT OF CONTACT NAME AND TITLE	7. NAME OF FIRM *(If block 2a is a branch office)*
William Musser, PE, Vice President	Tetra Tech, Inc.

6b. TELEPHONE NUMBER	6c. E-MAIL ADDRESS
407.480.3932	william.musser@tetratech.com

8a. FORMER FIRM NAME(S) *(If any)*	8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH
02	Administrative	2,563	4
08	CADD Technician	167	6
12	Civil Engineer	764	10
16	Construction Manager	442	1
21	Electrical Engineer	400	2
23	Environmental Engineer	438	2
24	Environmental Scientist	262	2
30	Geologist	427	1
38	Land Surveyor	61	5
48	Project Manager	879	11
	Other	8,097	
Total		14,592	44

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
W03	Water Supply; Treatment and Distribution	5
S04	Sewage Collection, Treatment and Disposal	5
S13	Storm Water Handling & Facilities	4
W02	Water Resources; Hydrology; Ground Water	4
S10	Surveying; Plotting; Mapping; Flood Plain Studies	3
C15	Construction Management	3
D03	Desalination (Process and Facilities)	2
A12	Automation; Controls; Instrumentation	2
E03	Electrical Studies and Design	2
P06	Planning (Site, Installation, and Project)	2
U03	Commercial Building (low rise); Shopping Centers	2
P07	Solid Wastes; Incineration; Landfill	2
A05	Airports; Navaids; Airport Lighting; Aircraft Fueling	2
C18	Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting	2
T03	Traffic & Transportation Engineering	2

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

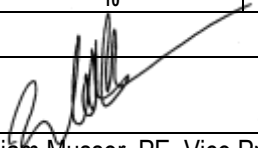
a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	**10**

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE	b. DATE	c. NAME AND TITLE
	January 8, 2014	William Musser, PE, Vice President

Tab 5. Past Performance

Tetra Tech has proudly served the City of Deltona since 2002, providing professional services related to the City's water resources, stormwater system, wastewater and water utilities treatment and storage, water distribution, sanitary collection/ pumping transmission, and reclaimed water systems planning, design, and permitting requirements for engineering design services, minor road design, and financial assistance including rate and bond work. We have assembled a team of professionals who are extremely qualified to provide the services to meet your needs for the **Doyle Road Reclaimed Water Main Project**. Our team has successfully delivered many City projects including Howland Boulevard Phase 1 and 2, Normandy Boulevard, DeBary Avenue, Fort Smith Boulevard Phase 1, Water Main Phase 2, and Courtland Boulevard.

Tetra Tech has the technical expertise to assist the City of Deltona with all tasks related to CEI services for the Doyle Road Reclaimed Water Main Project including necessary modifications to of the current design documents, and construction services to assist and coordinate with the engineer-of-record for preparation of as-built drawings and to provide regulatory certifications. Tetra Tech previously completed similar projects for the City of Deltona, City of Lakeland, TWA, City of Bartow, and Orange County Utilities.

RELEVANT PROJECT EXPERIENCE

Detailed descriptions and client contact information are provided at the end of this section for the following five projects:

1. City of Deltona Howland Boulevard Phase 1 & 2 Water Main and Force Main Improvements
2. City of Deltona Doyle Road Water Main Improvements
3. Cape Coral Miscellaneous Utility Engineering Services
4. City of Winter Garden Southwest Service Area Reuse Improvements
5. Toho Water Authority Westside Reclaimed Water and Wastewater Transmission Mains

CLIENT REFERENCES

We encourage the City to contact the following list of client references for feedback on our performance on similar projects. Tetra Tech has maintained long-term relationships with each of these clients, and they are familiar with our services. Our references are extremely familiar with the extra effort put forth by Tetra Tech's project management to establish and maintain good working relationships with its clients. These references correspond to the past performance descriptions provided on the following pages.

Tohopekaliga Water Authority

Ms. Deborah Beatty, PE
Senior Engineer
951 Martin Luther King Blvd.
Kissimmee, FL 34741
407.944.5023
dbeatty@tohowater.com

City of Winter Garden

Mr. Donald Cochran
Assistant City Manager - Public Services
300 West Plant Street
Winter Garden, FL 34787
407.656.4111 ext. 2263
dcochran@wintergarden-fl.gov

City of Cape Coral

Mr. Jody Sorrels, PE
Civil Engineer III
P.O. Box 150097
Cape Coral, FL 33915-0027
239.242.3227
jsorrels@capecoral.net

City of Deltona

Mr. Gerald Chancellor, PE
City Engineer
255 Enterprise Rd.
Deltona, Florida 32725
386.878.8977
GChancellor@deltonafl.gov

Howland Boulevard Phase 1 and 2 Water Main and Force Main Improvements

Deltona, Florida

The project included **design, permitting, and construction administration** for a design that consisted of upsizing the existing water main and force mains along Howland Boulevard between Elkcam Boulevard and Courtland Boulevard. The design included upsizing the utilities along the route while avoiding conflicts with the stormwater improvements associated with the roadway and generally consisted of paralleling: 16-inch water main (13,500 LF) and 16-inch force main (12,000 LF) along with 12-, 8-, 6-, and 4-inch water and force main connections and gravity sewer relocation as needed. This project was a joint project with the City of Deltona and Volusia County. The County's roadway engineer conducted the road and stormwater design and provided existing conditions survey and proposed design in electronic (AutoCAD) and hardcopy format. Tetra Tech was tasked with a utilities relocation design that made accommodations for road construction needs while keeping the existing City customers service active. The project had a congested right of way that included power, gas, cable, phone, and in some areas included water and wastewater utilities not owned by the City. Tetra Tech supplied design documents to the roadway engineer so utility coordination could be conducted together, and the project could be bid as one project.

Tetra Tech provided professional services including supplemental survey as necessary, design, permitting, and construction administration. Construction services were provided for all utility relocation work, and Tetra Tech worked in conjunction with the roadway engineer. Tie-ins at intersections were coordinated with City personnel and wet tap or direct connections were utilized, as necessary. Existing utilities consisted of PVC, CI, DIP, and AC and was removed or grout filled and abandoned in place as appropriate by material. The improvements were generally City preferred PVC pipe installed via open trench with DIP pipe installed via open trench and HDPE pipe installed via directional drilling as the design dictated or as required by the joint project agreement with the County for County road crossings.

Client

City of Deltona, Florida

Project Highlights

- Survey, design, permitting and construction administration
- Design of 13500 ,LF of 16-inch water main and 12,000 LF of 16-inch force main

Key Personnel

Michael Saxton, Project Manager
Brian Foulkes, QA/QC
Lawrence Jenkins, Surveyor
Brett Messner, Engineer

Project Value

$106,095 (Project Fee)
$3,100,000 (Construction)

Project Date

2008

Reference

Mr. Jeff Elder
Mr. Gerald Chancellor, PE
255 Enterprise Rd.
Deltona, FL 32725
386.878.8977

Construction administration for the project included **review of shop drawings, site inspections, attending progress meetings, review of substitutions, review of pay requests, review of changes in the field, and review and preparation of change orders**. Construction services were focused on the relocated utilities, however, all correspondence and direction was coordinated closely with the roadway engineer whether by the specific requirements of the JPA with the County or just to provide the best possible project performance result for the City. Tetra Tech saved the City significant money by the thorough review of contractor submitted as-built drawings and requiring corrective action immediately. Review of schedule and timeliness of construction by the utility relocation contractor were critical to successful completion of the roadway portion of the projects and known items that may have caused delays were noted well in advance while unknown items were handled swiftly to prevent delays to the projects.

Doyle Road Water Main Improvements

Deltona, Florida

The City of Deltona intends to construct water main improvements along a 1.54-mile section of Doyle Road from SR 415 to Courtland Boulevard. The City owns and operates various water utility pipelines that lie within the affected right-of-way. Several of these pipelines will need to be replaced, relocated, or abandoned to accommodate the construction. The Doyle Road water main improvements consist of construction of a new 16-inch PVC WM along the entire length and various improvements on intersecting side streets. Construction methods include open trench methods consistent with the City's utility standards and directional drill and jack and bore methods consistent with the City and County's utility standards.

Services included supplemental survey, design, permitting with Volusia County and VCHD, Geotechnical investigation by Ardaman and Associates, and bidding services. Construction is scheduled to begin in 2014 and Tetra Tech is currently providing construction administration services.

Client

City of Deltona, Florida

Project Highlights

- Design, survey, permitting, geotechnical investigation, and bidding
- Water main improvements along a 1.54-mile section of Doyle Road from SR415 to Courtland Boulevard.

Key Personnel

Roderick Cashe, Project Manager (Project Manager, 08/2013 – Present. Subsequent Project Manager for project after original Project Manager left.)
Michael Saxton, Project Engineer
Lawrence Jenkins, Surveyor
Colin Jewsbury, Geotechnical

Project Value

$126,314 (Project Fee)

Project Date

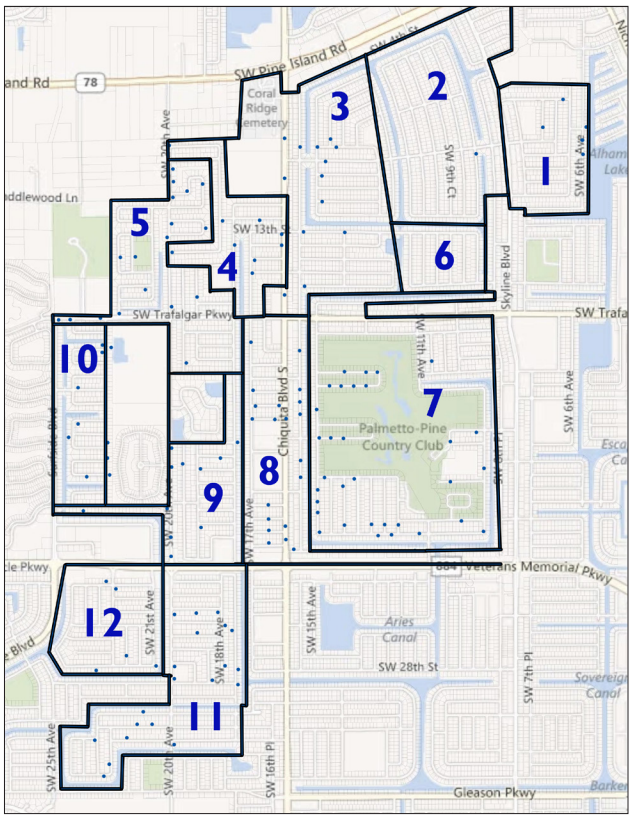
Ongoing

Reference

Mr. Gerald Chancellor, PE
255 Enterprise Rd.
Deltona, FL 32725
386.878.8977

Utility Expansion Program Southwest Area 6 & 7

Cape Coral, Florida



The Rosen Brothers began development of the City of Cape Coral in 1957, with City incorporation in 1970. The initial plan was for development of over 350,000 residential lots and a projected population of over 400,000. Today, the City has nearly 170,000 residents, is the 3rd largest city geographically in the state of Florida. As development continued, centralized water and wastewater services were added. However, as development began to outpace the rate at which centralized services could be provided, water and wastewater service had to begin to be provided through on-site wells and septic tank/drain field systems. Although the City did expand service as funds were available, the pace of growth far exceeded the utility extension pace. As such, the City developed and adopted a Utilities Master Plan which outlined the UEP in a phased approach that would ultimately extend water, wastewater and **reclaimed water** service to virtually all areas south of Pine Island Road (SR 78) and some areas north of Pine Island Road. Following adoption of the Utilities Master Plan, the UEP proceeded with the completion of Southwest 1, 4 and 5, with the design and permitting completed for Southwest 6 & 7 in August 2008. In fact, the project had actually proceeded through bidding before the project was halted.

Client

City of Cape Coral, Florida

Project Highlights

- Reclaimed Water Mains
- Construction Management
- CEI

Key Personnel

Roderick Cashe, Project Manager
Michael Saxton, Engineer
Shawn Hooker, Engineer
Brian Foulkes, Engineer
Lawrence Jenkins, Surveyor
Brett Messner, Engineer
Colin Jewsbury, Geotechnical

Project Value

$7 M (Project Fee)
$70 M est. (Construction)

Project Date

Ongoing

Reference

Mr. Jody Sorrels, PE
Utilities Engineer
P.O. Box 150097
Cape Coral, FL 33915-0027
239.242.3227

In 2012, City Council voted to continue with the UEP and selected Tetra Tech to perform value engineering and plan adoption of the prior design; hydraulic modeling; financial assistance; bidding assistance (including **assistance with pre-qualifying contractors**); and **construction management/construction engineering inspection (CEI) services**. Tetra Tech is currently performing **value engineering, plan adoption, hydraulic modeling and assisting with development of a pre-qualification format** for the City's use. In addition, we are assisting the City with **preparing SRF funding documentation**. The project are consists of over 4 square miles and over 200 miles collectively of potable water mains and distribution piping, **reclaimed water piping**, wastewater collection system piping, wastewater force mains, 18 wastewater pumping stations, a reclaimed water booster pumping station and r**oad, drainage and sidewalk improvements**.

Southwest Service Area Reuse Improvements

Winter Garden, Florida

Client

City of Winter Garden, Florida

Project Highlights

- Reclaimed Water Mains
- Preliminary Design
- Surveying
- Permitting
- Final Design
- Construction Management

Key Personnel

Michael Saxton, Engineer
Lawrence Jenkins, Surveyor
Brian Foulkes, QA/QC
Colin Jewsbury, Geotechnical

Project Value

$1.9 M (Construction)

Project Date

2012

Reference

Mr. Donald Cochran
Assistant City Manager - Public Services
300 West Plant Street
Winter Garden, FL 34787
407.656.4111 ext. 2263

Residential growth in the southwest area of the City of Winter Garden created the need for expansion of the City's reuse water system to serve future development. The Tetra Tech project team provided **route planning, preliminary design, surveying, final design, permitting and construction administration services** for approximately 12,500 LF of 8-, 12-, 16- and 20-inch **reclaimed water main** and six direct interconnections to the City of Orlando's reclaimed water system. Over 7,500 LF of the reuse main was installed, by **directional drilling**, in the City road right-of-way.

Preliminary design services involved an alternative analysis to include: route, consideration of alternative trenchless technologies, pipe material evaluations, coordination with various utilities, development of pipeline alignments, cost estimates and preparation of a technical memorandum that summarized the findings, conclusions, and recommendations from the preliminary engineering effort. Final design services included preparation of construction drawings and specifications involving standard plan and profile sheets, appurtenant details, and technical specifications in CSI format. Under the permitting services portion of the project Tetra Tech obtained permits from Orange County Public Works and the FDOT for right-of-way utilization. **The project design and permitting was fast-tracked to meet an accelerated schedule, which allowed the City to meet a commitment to utilize State Revolving Funds Grant money.** Services also included bidding services and **public relations facilitation.** Construction administration services involved **shop drawing review, provision of a resident project representative, review of payment applications, preparation of record drawings, certifications and other typical construction phase tasks.**

Westside Reclaimed Water and Wastewater Transmission Mains

Kissimmee, Florida

Client

Tohopekaliga Water Authority

Project Highlights

- Alternative water supply funding $1,557,117
- Directional drilling water and force mains in parallel
- Easement acquisition

Key Personnel

Brian Foulkes, QA/QC
Lawrence Jenkins, Survey

Project Value

$196,000 (Fee)
$6,200,000 (Construction)

Project Date

2007

Reference

Ms. Deborah Beatty, PE
Project Engineer
951 Martin Luther King Blvd.
Kissimmee, FL 34741
407.944.5023

The Westside Wastewater and Reuse Transmission Mains project consisted of 10,240 LF of combination 20- and 24-inch diameter ductile iron (DI) wastewater force main; 18,300 LF of 24-inch DI **reuse water main**. The wastewater force and reuse mains were constructed in parallel. Multiple segments were **installed by means of directional drill** in parallel for crossing of jurisdictional wetlands and water bodies. Crossings of the wetland areas via directional drill resulted in no impacts not requiring formal environmental resource permitting.

Tetra Tech performed services such as applying for alternative water supply funding, route selection, **surveying,** easement sketch of descriptions and coordination of easements with property owners, **final design document preparation** including construction drawings and technical specifications, **permitting**, and **construction administration**.

The Westside Project was crucial to expand TWA's wastewater and reuse systems to serve the proposed Westside Development. Therefore, Tetra Tech pursued and obtained Alternative Water Supply Funding grant in the amount of $1,557,117 for TWA to apply towards the cost of construction. Tetra Tech was able to meet all requirements for the funding deadlines as well as to expedite the project to assure that the development would have wastewater and reuse service prior to completion of construction of the Westside Development.

Tetra Tech **obtained permits** from Osceola County for right-of-way utilization, FDEP for construction of wastewater and reuse transmission mains, and FDOT for construction under State Road 429, as well as environmental resource permitting through FDEP. Environmental resource permitting was limited to preparation of an ecological report with FDEP coordination to demonstrate diminus impacts not requiring wetland.

The project was designed to incorporate horizontal directional drills to alleviate impacts to wetland areas and crossing of Davenport Creek; therefore, no wetland mitigations were required. The horizontal directional drills were installed in parallel with separator as required by the FDEP.

FIVE-YEAR LITIGATION HISTORY

Tetra Tech, Inc. is subject to certain claims and lawsuits typically filed against the engineering and consulting professions, primarily alleging professional errors or omissions. Tetra Tech carries professional liability insurance, subject to certain deductibles and policy limits against such claims. Tetra Tech believes that the resolution of these claims will not have a material effect on our financial position or results of operations. The following provides the Tetra Tech team's five-year litigation history.

L00273 | DeSoto County, Florida (Astaldi Construction) v. Hartman & Associates, Inc.

Date Opened: 05/18/09

Third Party claim for indemnity for contractual indemnity by Desoto County against Hartman & Associates arising out of the primary claim filed by Astaldi Construction against DeSoto County. In September 2002 DeSoto County and HAI entered into an agreement for engineering services related to a water and wastewater design construction project to be constructed in Desoto County. HAI provided design, permitting, bidding and construction management services for DeSoto County. Astaldi Construction sued DeSoto County for alleged breach of contract for this project. DeSoto County is tendering this lawsuit to Hartman.

L00298 | Poole and Kent Company and Myers Construction Group v. Tetra Tech, Inc.

Date Opened: 07/08/09

Letter received June 2009 from Poole and Kent, contractors with the City of North Miami Beach Norwood-Oeffler WTP Expansion Project. The letter requests an equitable adjustment of $9,247,056 and the unpaid contract balance and retainage of $4,070,333. The letter essentially outlines a number of alleged errors on the part of Hartman concerning their design documents and construction management services leading to delays for Poole and Kent. Suit filed in U. S. District Court on 6/24/09. Nature of suit: Tort, Personal Property, alleged Fraud.

L00338 | Tetra Tech EC, Inc. v. White Holly Expeditions LLC

Date Opened: 11/03/10

ECI filed suit seeking a Writ for Maritime Garnishment and Attachment. ECI also sought damages of approx. $7,500 arising from the detention of equipment.

L00402 | Northside Marina Venture, LLC v. Tetra Tech EC, Inc.

Date Opened: 08/09/12

Lawsuit received August 9, 2012. Plaintiff, Northside Marina Venture LLC is claiming that Tetra Tech was hired to provide professional services in relation to the development and construction of a floating dock system at the Doss Pier Marina. Allegedly, Tetra Tech was tasked to review engineering submittals prepared by Shoremaster in connection with the design, engineering, fabrication and installation of the floating dock system, and ultimately certifying the construction work to be substantially complete in accordance with the engineering submittals and plans. The complaint alleges that Tetra Tech breached its duty by approving engineering submittals that were defective and incomplete, and certifying the construction of the floating dock as substantially complete.

L00405 | H. G. Construction, Inc. et al. (Third Party Plaintiff) v. Ardaman & Associates, Inc.

Date Opened: 09/26/12

Law suit filed by Luxor Residences Condominium Association against the Contractor, H.G. Construction alleging numerous defects in the construction of the condominiums. The alleged defects include: a) exterior paint fading, b) improper sealing or failure to seal painted exterior wall surfaces, c) defectively placing and/or pouring concrete work which is now fracturing, and thereby exposing steel rebar to the elements and sustaining damage thereto, d) water leaking into the interior from improperly installed windows and doors so as to cause damages to ceilings, walls, floors and electrical components, e) exterior vertical wall surfaces fracturing so as to allow entry of water from rains through walls and causing damage to the interior of the structure f) the concrete slab on the grade for the first floor of the parking garage is exhibiting numerous cracks originating from the corners of the concrete columns caused by inadequate support of the slab form improper soil compaction or site preparation. Allegedly, Ardaman was hired by H.G. Construction to provide concrete test analysis.

L00412 | Phillip Stokes et al. v. Hartman & Associates

Date Opened: 10/30/12

Defendant, Orange City owns and operates a storm water system with a retention pond. This retention pond is adjacent to plaintiff's property, with an existing lease to Hughes Supply, Inc. The plaintiffs transferred their property to Dos Suerte of Florida, excluding the leased property. Allegedly the Defendants had reason to know that this commercial park owned by Plaintiffs had experienced frequent and severe flooding for many years. Orange City contracted with Hartman to research, study, engineer and recommend solutions to alleviate the flooding issues in this park. Allegedly, the recommendations from Hartman were faulty, in that the defendants made a decision to stay with the flawed system, and only modified the existing system by replacing a temporary pump for an automatic one, and designing a larger storage area. Allegedly, these failures caused severe flooding to plaintiff's property on numerous occasions, and one in particular in August 2008, where there was flood waters in excess of 30 inches that entered Plaintiff's buildings and totally covered this area with flood waters. This allegedly kept Plaintiffs from accessing their property.

L00421 | HRK Holdings v. Ardaman

Date Opened: 01/10/13

Notice received April 2012 from HRK Holdings and Manatee Port Authority regarding alleged construction defects involved in the design and construction of the Piney Point phosphogypsum stack system, and of the modifications thereof to receive dredged material from the Manatee Port Authority, resulting in leaks that developed in the liner system during dredging operations in 2011, causing damages to HRK. Subsequent lawsuit received.

L00437 | SWS Environmental Services v. Tetra Tech Construction

Date Opened: 11/04/13

SWS originally filed a demand for arbitration in February 2013. The filing was amended twice, the last time being in August 2013. Claimant alleges Tetra Tech performed their operations and/or provided professional services which resulted in damages. Particularly, the allegations center around the design and build of a horizontal expansion to the Combustion Waste Storage Area (landfill) at the Orlando Stanton Energy Center in 2009. The Project encompassed the design and construction of a 30 acre

landfill cell. The scope of work for the Project consisted of 1) removing vegetation from the landfill expansion area 2) preparing subgrade 3) placing of six inch liner of compacted clay 4) construction berms around the expansion and 5) installing a two foot protective layer of soil over a high-density polyethylene ("HDPE") liner and leachate piping. Ardaman developed a design for the Project and Tetra Tech requested bids for the construction. SWS was selected to perform the work. Project delays and cost overruns occurred after SWS determined that it had miscalculated the amount of clay material required to form the compacted clay liner. SWS also mismanaged its use of material for the two foot protective soil layer and failed to properly staff, sequence and proper means and methods of construction. The present dispute with SWS arises out of SWS's claim that it is entitled to additional compensation as a result of certain misrepresentations allegedly made by Tetra Tech which induced SWS to enter into the Subcontract Agreement. On February 27, 2013 SWS filed a demand for arbitration with AAA. SWS subsequently filed an Amended Statement of Claim and a Second Amended Statement of Claim (August 2013) alleging that Tetra Tech misrepresented facts concerning the site conditions as well as claiming that the design provided by Tetra Tech contained errors that SWS relied upon in constructing their bid.

L00439 | Inlet Marina of Palm Beach, Ltd. v. Ardaman

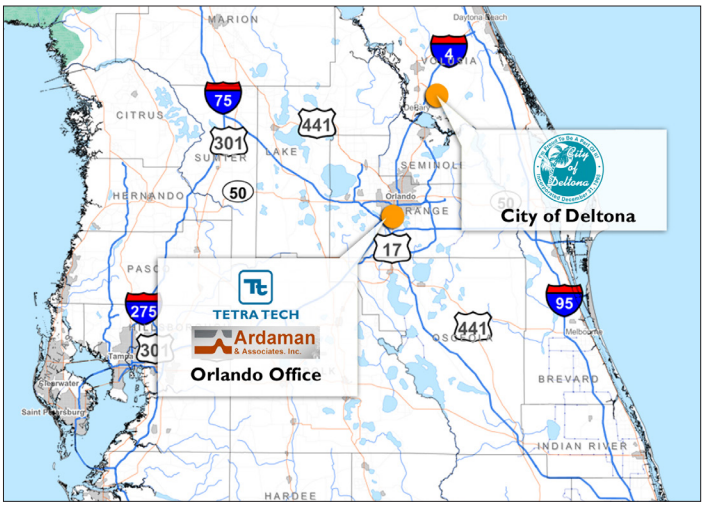
Date Opened: 11/27/13

Letter received from law firm representing Inlet Marina Palm Beach Ltd. notifying Ardaman and numerous other firms of alleged construction defects relating to the dry dock facility and interior slab, grade and beam transition area and outdoor launch slab at the Loggerhead Marina in Riviera Beach Florida. Ardaman has responded to the Chapter 558 Notice, claiming they are unable to determine the basis of the claim, based on the information received. Ardaman claims that their role in the project was limited to concrete testing and monitoring of the augercast piles. No geotech work. Subsequent lawsuit filed.

Tab 6. Location

Tetra Tech has proudly served the City of Deltona providing engineering services since 2002. Tetra Tech is committed providing the City with on-time, responsive service without delays.

We have six infrastructure offices serving the State of Florida: Orlando, Tampa, Fort Myers, Miami, Fort Lauderdale, and Destin. The City of Deltona will be served from our infrastructure design center located in downtown Orlando, which is approximately 25 miles (30-minute drive) from the City of Deltona. Our geotechnical and testing staff at Ardaman & Associates will perform work out of their Orlando office. The Tetra Tech team's office proximity will facilitate coordination and good communication between the Tetra Tech team and City staff, which is essential to successful completion of the project.



All key team members including Project Manager, Task Leaders, Support Staff Leaders and key personnel are based out of our Orlando offices and can be at the job site within minutes of a phone call from City staff or the Contractor if they are not already on site.

Tab 7. Required Forms

Proposers Contact Information Form

Proposer's Certificate Form

Drug Free Workplace Form

Sworn Statement on Public Entities Crimes Form

Hold Harmless and Indemnity Agreement

Form A-1 (Conflict of Interest Disclosure Form)

Addendum Acknowledgement

Evidence of Authorization to Sign

Copies of All Applicable Licenses

Insurance Certificate

PROPOSER'S CONTACT INFORMATION FORM

PROPOSER'S INFORMATION

Firm Name:	Tetra Tech, Inc.
Firms Principal Address:	201 E. Pine Street, Suite 1000, Orlando, Florida 32801
FEIN #:	95-4148514

BUSINESS STRUCTURE

Corporation, Joint Venture, or Partnership: Proposers submitting qualifications statements as a Joint Venture shall submit a copy of their joint agreement. If a joint venture or prime/sub-contractor arrangement of two (2) firms, indicate how the work will be distributed between the partners.

BUSINESS STRUCTURE	INDICATE BY (X)	COPY OF JOINT VENTURE AGREEMENT ATTACHED (Y / N)	IF APPLICABLE, HOW WILL WORK BE DISTRIBUTED BETWEEN PARTNERS?
CORPORATION	X	N/A	
JOINT VENTURE			
PARTNERSHIP			
Is your company registered and licensed in the State of Florida to do business? ___X___ YES _____ NO			
If a Joint Venture, has this partnership worked together on a similar project? ___N/A___ YES _____ NO			

PROPOSER'S INFORMATION FORM
(CONTINUED)

BUSINESS OFFICERS

POSITION	NAME	CONTACT INFORMATION
PRESIDENT	Dan L. Batrack Chairman, Chief Executive Officer, and President	3475 E. Foothill Boulevard, Pasdena, California 91107 626.351.4664 (phone); 626.351.5291 (fax)
VICE PRESIDENT	William R. Brownlie Senior Vice President, Chief Engineer	3475 E. Foothill Boulevard, Pasdena, California 91107 626.351.4664 (phone); 626.351.5291 (fax)
VICE PRESIDENT	William D. Musser Vice President,	201 E. Pine Street, Orlando, Florida 407.839.3955 (phone); 407.839-3790 (fax)
SECRETARY	Janis B. Salin Senior Vice President, General Counsel and Secretary	3475 E. Foothill Boulevard, Pasdena, California 91107 626.351.4664 (phone); 626.351.5291 (fax)
TREASURER	Steven M. Burdick Executive Vice President, Chief Financial Officer and Treasurer	3475 E. Foothill Boulevard, Pasdena, California 91107 626.351.4664 (phone); 626.351.5291 (fax)
PROJECT MNGR (ASSIGNED TO THIS PROJECT)	Michael Saxton Project Manager	201 E. Pine Street, Orlando, Florida 407.839.3955 (phone); 407.839-3790 (fax)

BUSINESS LOCATION

Address of office in which work is to be performed from if different than principal address:
Same office - 201 E. Pine Street, Suite 1000, Orlando, Florida 32801

Distance from the job site to firms business address: 29 Miles

Other office locations – Location of other offices from which resources may be drawn:
Ardaman and Associates, A Tetra Tech Company - 8008 S. Orange Avenue, Orlando, Florida 32809

PROPOSER'S CERTIFICATION FORM

I have carefully examined the Request for Qualifications, Instructions to Proposers, General and/or Special Conditions, Vendor's Notes, Specifications, proposed agreement and any other documents accompanying or made a part of this Request for Qualifications.

I agree to abide by all conditions of the RFQ and understand that a background investigation may be conducted by the City of Deltona prior to an award.

I certify that all information contained in this Submittal is truthful to the best of my knowledge and belief. I further certify that I am a duly authorized to submit this Qualifications Statement on behalf of the vendor / contractor as its act and deed and that the vendor / contractor is ready, willing and able to perform if awarded the contract.

I further certify, under oath, that this Qualifications statement is made without prior understanding, agreement, connection, discussion, or collusion with any other person, firm or corporation submitting a Qualifications Statement for the same product or service; no officer, employee or agent of the City of Deltona Government or of any other Proposer interested in said RFQ; and that the undersigned executed this Proposer's Certification with full knowledge and understanding of the matters therein contained and was duly authorized to do so.

Name of Business

By: _____
Signature

William D. Musser, PE, Vice President
Name & Title, Typed or Printed

201 E. Pine Street, Suite 1000
Mailing Address

Orlando, Florida
City, State, Zip Code

(407) 839.3955
Telephone Number

Sworn to and subscribed before me

This 8 day of

January, 2014

_____
Signature of Notary

Notary Public, State of Florida

Personally known
-OR-
Produced Identification _____

Notary Public State of Florida
Erika D Booker
My Commission EE 191530
Expires 04/23/2016

DRUG-FREE WORKPLACE FORM

The undersigned Bidder in accordance with Florida Statute 287.087, hereby certifies that

Tetra Tech, Inc. does:
(*Name of Business*)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.

3. Give each employee engaged in providing the commodities or contractual services that are proposed a copy of the statement specified in subsection (1).

4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.

5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

X _____
Proposer's Signature

January 8, 2014
Date

SWORN STATEMENT UNDER SECTION 287.133(3)(A), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

This sworn statement is submitted to the City of Deltona by William D. Musser, PE, Vice President
(Individual's name and title)

For Tetra Tech, Inc.
(Name of entity submitting sworn statement)

Whose business address is 201 E. Pine Street, Suite 1000, Orlando, Florida 32801

And (if applicable) its Federal Employer Identification Number (FEIN) is 95-4148514
(if the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement)

1. I understand that a "public entity crime" as defined in Section 287.133(1)(g), Florida Statutes, means a violation of any State or Federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or a of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

2. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crimes, with or without an adjudication of guilt, in any Federal or State trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.

3. I understand that an "affiliate' as defined in Section 287.133(1)(a), Florida Statutes, means:

   A predecessor or successor of a person convicted of a public entity crime: or an entity under the control of any natural person who is active in the management of the entity and how has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one (1) person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding thirty-six (36) months shall be considered an affiliate.

4. I understand that a "person" as defined in Section 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders employees, members, and agents who are active in management of an entity.

5. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (You must indicate which statement applies.)

X_____ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agent who is active in management of the entity, nor the affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members or agent who are active in management of the entity, or an affiliate of the entity, has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members or agents who are active in management of the entity, or an affiliate of the entity, has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before an Administrative Law Jury of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Administrative Law Jury determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (You must attach a copy of the final order).

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CITY OF DELTONA IS FOR THE CITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31, OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE CITY PRIOR TO ENTERING IN TO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

_____
SIGNATURE

January, 8, 2014
DATE

State of Florida
County of Orange

Personally appeared before me, the undersigned authority, William D. Musser, PE (name of individual signing) who, after first being sworn by me, affixed his/her signature in the space provided above on the 8 day of January, 20 14.

_____
NOTARY PUBLIC

My commission expires: 4/23/2016

Notary Public State of Florida
Erika D Booker
My Commission EE 191530
Expires 04/23/2016

HOLD HARMLESS AND INDEMNITY AGREEMENT

Tetra Tech, Inc. _____, agrees through the signing of this document by an authorized party or agent that it shall defend, indemnify and hold harmless the City of Deltona, and its agents, employees, and public officials from and against all suits, losses, claims, demands, judgments of every name and description arising out of or incidental to the performance of this contract or work performed thereunder, whether or not due to or caused by the negligence of the City of Deltona, its agents, employees, and public officials excluding only the sole negligence of the City of Deltona, its agents, employees, and Public Officials.

This provision shall also pertain to any claims brought against the City of Deltona, its agents, employees, and public officials by an employee of the named Contractor, any Sub-contractor, or anyone directly or indirectly employed by any of them.

The Contractor's obligation to indemnify the City of Deltona, its agents, employees and public officials under this provision shall be limited to $1,000,000 per occurrence which the parties agree bears a reasonable commercial relationship to the contract.

The Contractor agrees to accept, and acknowledges as adequate remunerations, the consideration of $10, which is part of the agreed bid price, the promises contained herein, and other good and valuable consideration, the receipt of which is hereby acknowledged, for agreement to enter into this Hold Harmless and Indemnity Agreement.

CONTRACTOR

January 8, 2014

DATE

FORM A-1
CONFLICT OF INTEREST DISCLOSURE FORM

I HEREBY CERTIFY that

1. I *(printed name)* William Musser, PE am the *(title)* Vice President and the duly authorized representative of the firm of *(Firm Name)* Tetra Tech, Inc. whose address is 201 E. Pine Street, Suite 1000 Orlando, Florida 32801, and that I possess the legal authority to make this affidavit on behalf of myself and the firm for which I am acting; and,

2. Except as listed below, no employee, officer, or agent of the firm have any conflicts of interest, real or apparent, due to ownership, other clients, contracts, or interests associated with this project;
And,

3. This proposal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a proposal for the same services, and is in all respects fair and without collusion or fraud.

EXCEPTIONS (List)

Signature: _____

Printed Name: William D. Musser, PE

Firm Name: Tetra Tech, Inc.

Date: January 8, 2014

Sworn to and described before me this 8 day of January. 2003.

Personally known X

OR Produced identification _____ Notary Public - State of Florida

_____ My Commission expires 04/23/2016
(Type of Identification)

Erika D. Booker
(Printed, typed or stamped commissioned name of Notary Public)

Notary Public State of Florida
Erika D Booker
My Commission EE 191530
Expires 04/23/2016

ADDENDUM # 1

CITY OF DELTONA
RFQ # PW 14-02
January 2, 2014
CEI SERVICES FOR DOYLE RD. RECLAIMED WATER MAIN PROJECT

'his addendum is to answer questions that have been brought up by potential firms during the solicitation process.

)uestions were accepted up to seven days prior to the closing date. No further questions or RFI's will be accepted.

)UESTIONS:

)uestion # 1 – Page 14 lists the Project Manager requirements. Can you please clarify for the requirement "ICC 'ertifications from IBC"- does the PM just need to belong/have a membership card??

nswer # 1 –Respondents shall provide credentials for Key Project Personnel in their current professional status, licenses and egistrations. Project Manager / Engineer / Inspector will likely have different licenses, certifications, and registrations ppropriate for their position.

'he RFQ due date remains January 9, 2014 at 2:00 p.m. All prospective Engineering firms are hereby instructed ot to contact any member of the City of Deltona Commission, City Manager, or City of Deltona Staff members other han the noted contact person regarding this RFQ or their submittal at any time during the solicitation or award rocess. Any such contact shall be cause for rejection of your submittal.

ll inquiries are to be directed to the Purchasing Agent for the Public Works Division at the City of Deltona. Contact for this olicitation is: Brian Boehs, Purchasing Agent. Email address is bboehs@deltonafl.gov. Phone is 386-878-8955.

ALL OTHER SPECIFICATIONS AND CONDITIONS REMAIN UNCHANGED.

RECEIPT OF THIS ADDENDUM IS HEREBY ACKNOWLEDGED

Tetra Tech, Inc.
NAME OF BUSINESS

BY: _____
SIGNATURE/DATE

William D. Musser, PE, Vice President
NAME & TITLE, TYPED OR PRINTED

201 E. Pine Street, Suite 1000
MAILING ADDRESS

Orlando, Florida, 32801
CITY, STATE, ZIP CODE

Applicable Licenses

State of Florida

Board of Professional Engineers

Attests that

Tetra Tech, Inc

is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2015
Audit No: 228201502135

Certificate of Authorization

CA Lic. No: 2429

Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LB26**
Expiration Date: February 28, 2015

Professional Surveyor and Mapper Business License

Under the provisions of Chapter 472, Florida Statutes

TETRA TECH INC
201 E PINE ST STE 1000
ORLANDO, FL 32801-2723

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Florida Department of Business Professional Regulation

DBPR ONLINE SERVICES

Log On | Home

5:33:44 PM 1/8/2014

Search for a Licensee
Apply for a License
View Application Status
Find Exam Information
File a Complaint
AB&T Delinquent Invoice & Activity List Search

Licensee Details

Licensee Information

Name:	TETRA TECH INC (Primary Name)
	(DBA Name)
Main Address:	3475 E FOOTHILL BOULEVARD PASADENA California 91107
County:	OUT OF STATE
License Mailing:	
LicenseLocation:	

License Information

License Type:	Geology Business
Rank:	GB
License Number:	GB311
Status:	Current,Active
Licensure Date:	07/24/1998
Expires:	07/31/2014

Special Qualifications	Qualification Effective

View Related License Information
View License Complaint

Florida Department of Business Professional Regulation

DBPR ONLINE SERVICES

Log On | Home

5:36:37 PM 1/8/2014

Search for a Licensee
Apply for a License
View Application Status
Find Exam Information
File a Complaint
AB&T Delinquent Invoice & Activity List Search

Licensee Details

Licensee Information

Name:	ARDAMAN & ASSOCIATES, INC (Primary Name)
	(DBA Name)
Main Address:	8008 SOUTH ORANGE AVENUE BELLE ISLE Florida 32809
County:	ORANGE
License Mailing:	
LicenseLocation:	

License Information

License Type:	Geology Business
Rank:	GB
License Number:	GB140
Status:	Current,Active
Licensure Date:	12/08/1992
Expires:	07/31/2014

Special Qualifications	Qualification Effective

View Related License Information
View License Complaint

TETRA TECH

CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY) 01/06/2014

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

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

PRODUCER
Aon Risk Insurance Services West, Inc.
Los Angeles CA Office
707 Wilshire Boulevard
Suite 2600
Los Angeles CA 90017-0460 USA

CONTACT NAME:
PHONE (A/C. No. Ext): (866) 283-7122 **FAX (A/C. No.):** (800) 363-0105
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A:	National Union Fire Ins Co of Pittsburgh	19445
INSURER B:	The Insurance Co of the State of PA	19429
INSURER C:	Lexington Insurance Company	19437
INSURER D:	AIG Europe Limited	AA1120841
INSURER E:		
INSURER F:		

INSURED
Tetra Tech, Inc.
201 East Pine Street
Orlando FL 32801 USA

COVERAGES **CERTIFICATE NUMBER:** 570052575810 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	**GENERAL LIABILITY** X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X X,C,U Coverage GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT X LOC			GL5142623	10/01/2013	10/01/2014	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$2,000,000 $1,000,000 $10,000 $2,000,000 $4,000,000 $4,000,000
A	**AUTOMOBILE LIABILITY** X ANY AUTO ALL OWNED AUTOS X HIRED AUTOS SCHEDULED AUTOS X NON-OWNED AUTOS			CA 327 52 65	10/01/2013	10/01/2014	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$1,000,000
D	X **UMBRELLA LIAB** X OCCUR **EXCESS LIAB** CLAIMS-MADE DED X RETENTION $100,000			TH1300027	10/01/2013	10/01/2014	EACH OCCURRENCE AGGREGATE	$10,000,000 $10,000,000
B B B	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N N **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		WC15656017 WC15656011 WC15656012	10/01/2013 10/01/2013 10/01/2013	10/01/2014 10/01/2014 10/01/2014	X WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE-EA EMPLOYEE E.L. DISEASE-POLICY LIMIT	$1,000,000 $1,000,000 $1,000,000
C	Contractor Prof			028182375 Prof/Poll Liab	10/01/2013	10/01/2014	Each Claim Agggregate	$5,000,000 $5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RE: Job Description: RFP PW 14-02, Construction, Engineering and Inspection Services, Doyle Road Reclaimed Water Main Project. City of Deltona is included as Additional Insured in accordance with the policy provisions of the General Liability and Automobile Liability policies. Stop Gap Coverage for the following states: OH, ND, WA, WY.

CERTIFICATE HOLDER

City of Deltona
255 Enterprise Road
Deltona FL 32725 USA

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Aon Risk Insurance Services West Inc.

Holder Identifier :

Certificate No : 570052575810

ACORD 25 (2010/05) The ACORD name and logo are registered marks of ACORD

TETRA TECH

201 East Pine Street | Suite 1000 | Orlando, FL 32801
407.839.3955 | www.tetratech.com