

CITY OF NORTH PORT
PROFESSIONAL ENGINEERING SERVICES
CONTINUING SERVICES CONTRACTS FOR
CITY OF NORTH PORT UTILITIES DEPARTMENT

REQUEST FOR PROPOSAL NO. 2020-58

Submitted by:

TIERRA, INC.

7351 TEMPLE TERRACE HIGHWAY
TAMPA, FLORIDA 33637

Submitted For:

Category 5: Geotechnical Services

Contact Information:

Kevin Scott, P.E., Client / Project Manager
813-989-1354 (office); 813-376-5529 (cell); 813-989-1355 (fax)
kscott@tierraeng.com

Larry Moore, P.E., Contract Manager
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lmoore@tierraeng.com

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TAB 1

TRANSMITTAL LETTER

July 20, 2020

City of North Port

Ginny Duyn, CPPB, Senior Purchasing Administrator
4970 City Hall Boulevard, Suite 337
North Port, Florida 34286

**RE: Letter of Transmittal
Professional Engineering Services Continuing Contracts for the City of North Port Utilities Department
RFP No. 2020-58**

Ms. Duyn:

Tierra, Inc. (Tierra) is pleased to present our qualifications in support of the City of North Port's selection of Consultants to provide continuing professional engineering services in support of the City's Utilities Capital Improvement Plan (CIP) for projects related to water, wastewater and reclaimed water. Tierra is a certified State of Florida Minority Business Enterprise (MBE) engineering firm that is uniquely qualified to support the City for **Category 5: Geotechnical Services** for the **City of North Port's Professional Engineering Services Continuing Contracts for the City of North Port Utilities Department**.

We are committed to you! Under the leadership of our proposed Client/Project Manager, **Kevin H. Scott, P.E.**, Tierra will serve as the prime consultant for this contract. With nearly 200 employees, we are a full-service consulting geotechnical, environmental and construction materials testing engineering firm conveniently located in Tampa, Florida. Our diverse staff includes principal engineers, staff engineers, environmental scientists, geotechnical and construction inspectors and technicians. Our technicians are certified through CTQP, ACI and FDOT with 5 to more than 30 years of experience in geotechnical, construction, laboratory and field materials testing and inspection services. Tierra's office address and our authorized representatives contact information is as follows:

Prime Consultant:

Tierra, Inc. (Florida MBE)

7351 Temple Terrace Highway, Tampa, Florida 33637

Authorized Representatives:

Kevin H. Scott, P.E., (*Client/Project Manager*), kscott@tierraeng.com

Tel: (813) 989-1354; Fax: (813) 989-1355

Larry Moore, P.E., (*Contract Manager*), lmoore@tierraeng.com

Tel: (813) 989-1354; Fax: (813) 989-1355

Tierra has reviewed the Scope of Services outlined in the RFP and we have developed a thorough understanding of the required tasks that may be expected by the City of North Port. We have the capabilities to provide a complete range of geotechnical engineering and materials testing services with an experienced and dedicated staff. Our well-balanced combination of drill rigs and support equipment allows us to tackle the most challenging projects, and our in-house laboratories provide specialized testing services associated with geotechnical engineering and construction materials testing.

Our Submittal. We have carefully prepared and organized this response submittal per the City's Request for Proposal package. This letter serves as our **Letter of Transmittal (Tab 1)** and introduction to our submittal.

Following is a brief summary of the qualifications, resources and advantages that Tierra will bring to the City:

Proven Results. Whether working directly for the City of North Port or as a subconsultant to a prime firm, Tierra has worked on numerous City projects throughout the years and we are familiar with the City's expectations and requirements. In particular, we have successfully provided geotechnical support to prime consultants for a number of utility projects for the City of North Port. Similar to the services required of this contract, we have extensive experience providing geotechnical engineering services as a prime consultant to government agencies and municipalities located throughout Florida. Through this experience, we have developed our ability to implement timely and cost-effective services that can be tailored to meet the needs of the City and the various work assignments that may arise out of this contract.

Experienced Personnel. We have assembled a team capable of providing excellent professional and technical expertise, proven by the long-standing work experiences of our proposed staff members. In addition, many of our team members have established working relationships with the City from previous projects.

Resources. Tierra owns and operates one of the largest fleets of drilling rigs on the West Coast of Florida. Tierra operates eleven (11) drill rigs including track, truck and barge-mounted equipment to access almost any drill site regardless of the terrain. Tierra owns and operates three (3) full-service materials testing laboratories staffed by seasoned professionals qualified to perform the testing anticipated to be required by the City.

Commitment to Time and Budget Requirements. At Tierra, we pride ourselves on providing on-time and within budget delivery of services. It is our corporate philosophy to approach every project with the level of understanding and service that will provide the best value and response to our clients. Tierra will work one-on-one with the City's project managers to provide all requested services on time and within budget.

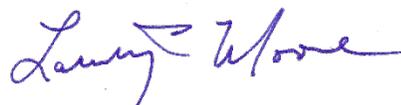
Previous Local Experience. Tierra was founded in Tampa in 1992 and we are intimately familiar with local conditions, regulations and applicable codes. For more than 15 years, our staff have provided services within the City of North Port, and surrounding area, through our extensive work experience with FDOT District 1. We are staffed by individuals who understand the geology in the area and we are ready and available to respond immediately to the needs of the City.

On behalf of Tierra and our colleagues, we highly value the relationship we have developed with the City and look forward to this opportunity to continue to serve you. We hope you find our qualifications, experience and past work history to be an asset and we are optimistic that our response to this request for proposal will provide the City of North Port with the confidence to select the Tierra team.

Respectfully submitted,
Tierra, Inc.



Kevin Scott, P.E.
Client/Project Manager



Larry Moore, P.E.
Contract Manager/Vice President

TAB 2

QUALIFICATIONS OF FIRM

TAB 2

BRIEF COMPANY HISTORY

Established in 1992, Tierra is a full-service consulting geotechnical, environmental and construction materials testing engineering firm. In the past twenty-eight years, Tierra's staff has grown from its original members to nearly 200 highly qualified and motivated professionals including principal and staff engineers, geologists, environmental scientists, geotechnical construction inspectors and technicians. Tierra is a minority-owned business enterprise dedicated to the timely and cost-efficient delivery of our services.

LEGAL FORM OF COMPANY AND CORPORATE STRUCTURE

Tierra, Inc. (Tierra), a corporation organized under the laws of the State of Florida, is submitting this proposal. Tierra has been in business as a provider of professional consulting services for 28 years and has not operated under any former names. *Our corporate structure is as follows:*

President, Treasurer, Director:	Luis F. Mahiquez, P.E.
Executive Vice President:	Henri V. Jean, P.E.
Vice Presidents:	Larry Moore, P.E., Jeffrey Begovich, P.E.
Corporate Secretary:	Manuel Valdes
Chief Financial Officer:	Edward Fitzgerald

This contract will be serviced from our Corporate Headquarters in Tampa, Florida.

Tierra's Tampa Office Location

7351 Temple Terrace Highway
Tampa, Florida 33637
(813) 989-1354; (813) 989-1355 (fax)
www.tierraeng.com



Tierra began operating from our current location in 2007, but our corporate headquarters has been located within Hillsborough County since our firm's inception in 1992. Tierra's Tampa office location currently employs more than 100 full time employees and 209 employees company-wide. Our Tampa office has the staff, equipment and facility resources to successfully perform all services requested by the City.

We have successfully serviced the City of North Port and surrounding areas from this location for more than 15 years.

The City of North Port requires the services of a qualified consultant to provide geotechnical services (*Category 5*) to support design and construction activities for the City’s Capital Improvement Program (CIP) projects related to water, wastewater, reclaimed water treatment and storage systems. Tierra understands that services may include studies, reports, field investigations and testing as well as laboratory analysis for utility projects. We have reviewed the RFP and through our key team member’s previous involvement in numerous City projects, we have a complete understanding of the technical needs that may be required under this contract. *A summary of our firm’s capabilities is listed below:*

GEOTECHNICAL ENGINEERING SERVICES

Tierra’s staff of 28 professional engineers and 9 engineering interns have experience ranging from recent college graduates to more than 40 years’ experience providing site-specific and cost-effective solutions for clients across the state of Florida. We have provided geotechnical evaluations on a wide array of water and wastewater project types including plant work and pipelines. *Tierra’s geotechnical engineering capabilities include Site Investigation and Characterization; Planning, Feasibility and Due Diligence Studies; Sinkhole Investigations; Pavement Analysis and Design; Groundwater Evaluation; Slope Stability Analysis; Foundation Analysis and Design; Retaining Wall Design; Settlement Analysis and Design; Feasibility Studies and Site Selection Evaluation and Investigation of Sites for Borrow Suitability.*

Geophysical Evaluation: Tierra has the capability to offer geophysical testing for identifying and evaluating subsurface anomalous conditions. Depending on the anticipated subsurface conditions, Tierra can provide Ground Penetrating Radar (GPR) to evaluate subsurface conditions. The geophysical surveying is typically performed prior to soil borings so that the anomalous areas, if any, are identified and can be further characterized by drilling.

Geotechnical Drilling: Tierra has complete in-house drilling capabilities making it easier to coordinate schedules and control cost without the need to rely on subcontractors. Our fleet of eleven (11) drill rigs includes track, truck and barge-mounted equipment as well as limited access rigs allowing our drill crews to access almost any drill site regardless of terrain or location. *Tierra’s geotechnical drilling capabilities include Standard Penetration Test (SPT) borings, casing installation, borehole grouting, rock coring and sampling, and well / piezometer installation and abandonment. Tierra routinely performs hand muck probes, hand augers, pavement and concrete cores, field permeability testing, Double Ring Infiltration Testing and Pile Driving Analyzer (PDA) services.*



ENVIRONMENTAL CONSULTING SERVICES

Projects often require some level of contamination assessment services including site assessments and remediation as well as screening, field sampling, corrective action and regulatory reporting prior to initiating design and/or construction. Tierra's environmental professionals have years of diverse experience providing environmental services including Level I and II Contamination Screening, Phase I and II Environmental Site Assessments and asbestos and metal-based paint surveys. We are experienced with a variety of technologies, including source removal, chemical oxidation, multi-phase extraction and biological remediation as well as other conventional corrective action strategies, such as pump and treat and SVE/AS. Our environmental professionals are well versed in federal, state and local regulations, OSHA HAZWOPER trained and medically monitored.

CONSTRUCTION MATERIALS TESTING AND INSPECTION SERVICES

In order to best meet the needs of our clients, Tierra operates its own CMEC-certified and FDOT-qualified laboratory facilities. Tierra's state of the art laboratory provides specialized testing services associated with geotechnical engineering and construction materials. Inspected annually by the FDOT State Materials Office, our laboratories are staffed with trained and certified technicians capable of performing testing to characterize the physical properties of soil, rock, concrete, asphalt and composite building materials. In addition to certification, testing procedures are performed under the guidelines of ASTM E 329, where applicable, and in all cases a state-licensed engineer is in charge of inspection and materials testing procedures. *Specific construction materials testing and inspection services include the following:*

Soils and Foundation Testing: Tierra's certified soil technicians are trained to evaluate the suitability of subgrade soils and monitor fill placement and compaction procedures. They routinely perform in-place density and moisture content testing of fill materials to monitor for project compliance. Our CTQP-certified Drilled Shaft and Pile Driving Inspectors are experienced in monitoring deep foundation installation. *Tierra's laboratory testing abilities for soils include, but are not limited to, moisture content, Atterberg limits, particle size analysis, limerock bearing ratio, organic content and corrosivity testing.*



Asphalt Inspection and Testing: Tierra's asphalt technicians monitor the placement of asphalt paving systems for project compliance. *Our technical field and laboratory staff has extensive experience in asphalt construction methods, field verification testing, temperature, spread rate and compaction monitoring, asphalt plant inspection and density testing.*



Concrete Testing and Inspection: Tierra provides concrete testing services at the construction site and in our in-house laboratories. All testing is performed by ACI-certified inspectors and includes the following: fresh concrete field testing and monitoring, compliance testing of fine and coarse aggregates, flexural strength testing of concrete beams, compressive strength testing of concrete cylinders, reinforcing steel placement documentation, pre-cast concrete testing and observation and concrete mix design review.

Shown left: concrete samples from a single concrete pour prior to placement in curing facility; required 8 technicians and more than 20 hours!

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

PROFESSIONAL ENGINEERING SERVICES – CONTINUING SERVICES CONTRACTS FOR CITY OF NORTH PORT UTILITIES

2. PUBLIC NOTICE DATE

June 17, 2020

3. SOLICITATION OR PROJECT NUMBER

RFP No. 2020-58

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Kevin Scott, P.E., Client/Project Manager, Senior Geotechnical Engineer

5. NAME OF FIRM

Tierra, Inc.

6. TELEPHONE NUMBER

(813) 989-1354

7. FAX NUMBER

(813) 989-1355

8. E-MAIL ADDRESS

kscott@tierraeng.com

C. PROPOSED TEAM

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

(Check)				9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
PRIME	J-V PARTNER	SUBCON-TRACTOR				
a.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tierra, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	7351 Temple Terrace Highway Tampa, FL 33637	Prime Consultant
b.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hydro-Environmental Assoc., Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	4806 West Azelee Street Tampa, FL 33609	Sub – Consultant Hydrogeology

ARCHITECT ENGINEER QUALIFICATIONS	1. SOLICITATION NUMBER <i>(If any)</i> RFP No. 2020-58
--	--

PART II - GENERAL QUALIFICATIONS
(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME Tierra, Inc.			3. YEAR ESTABLISHED 1992	4. DUNS NUMBER 794753707
2b. STREET 7351 Temple Terrace Highway			5. OWNERSHIP	
2c. CITY Tampa	2d. STATE Florida	2e. ZIP CODE 33637	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Kevin Scott, P.E., Client/Project Manager, Senior Geotechnical Engineer			b. SMALL BUSINESS STATUS	
6b. TELEPHONE NUMBER (813) 989-1354			6c. E-MAIL ADDRESS kscott@tierraeng.com	
8a. FORMER FIRM NAME(S) <i>(If any)</i>			8b. YR. ESTABLISHED	8c. DUNS NUMBER
7. NAME OF FIRM <i>(If block 2a is a branch office)</i>				

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number <i>(see below)</i>
		(1) FIRM	(2) BRANCH			
2	Administrative	23		S05	Soils & Geologic Studies: Foundations	7
8	CADD Technician	3		T02	Testing and Inspection Services	6
15	Construction Inspector	52				
24	Environmental Scientist	4				
27	Foundation/Geotechnical Eng	30				
30	Geologist	1				
58	Technician	84				
	Other (Engineering Interns)	12				
	Total	209				

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work		1. Less than \$100,000.	6. \$2 million to less than \$5 million	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million
b. Non-Federal Work	8	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million	9. \$25 million to less than \$50 million	10. \$50 million or greater
c. Total Work	8	4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million		
		5. \$1 million to less than \$2 million	10. \$50 million or greater		

12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.	
a. SIGNATURE 	b. DATE July 20, 2020
c. NAME AND TITLE Kevin Scott, P.E., Client/Project Manager, Senior Geotechnical Engineer	

ARCHITECT ENGINEER QUALIFICATIONS	1. SOLICITATION NUMBER <i>(If any)</i> RFP No. 2020-58
--	--

PART II - GENERAL QUALIFICATIONS
(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME Hydro-Environmental Associates, LLC (HEA)			3. YEAR ESTABLISHED 2019	4. DUNS NUMBER
2b. STREET 4806 West Azeele Street			5. OWNERSHIP	
2c. CITY Tampa	2d. STATE Florida	2e. ZIP CODE 33609	a. TYPE Limited Liability Company	
6a. POINT OF CONTACT NAME AND TITLE Kenneth C. Jones, P.G., President			b. SMALL BUSINESS STATUS	
6b. TELEPHONE NUMBER (813) 969-6995			6c. E-MAIL ADDRESS kjones@heafla.com	
8a. FORMER FIRM NAME(S) <i>(If any)</i> Hydro-Environmental Associates, Inc.			8b. YR. ESTABLISHED 1996	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number <i>(see below)</i>
		(1) FIRM	(2) BRANCH			
30	Hydrogeologist	3		E09	Environmental Site Assessments	1
07	Wetlands Biologist	1		E13	Environmental Testing & Analysis	1
				W02	Water Resources; Hydrogeology; GW	1
	Total	4				

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>	PROFESSIONAL SERVICES REVENUE INDEX NUMBER 1. Less than \$100,000. 6. \$2 million to less than \$5 million 2. \$100,000 to less than \$250,000 7. \$5 million to less than \$10 million 3. \$250,000 to less than \$500,000 8. \$10 million to less than \$25 million 4. \$500,000 to less than \$1 million 9. \$25 million to less than \$50 million 5. \$1 million to less than \$2 million 10. \$50 million or greater						
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">a. Federal Work</td> <td style="text-align: center;">1</td> </tr> <tr> <td>b. Non-Federal Work</td> <td style="text-align: center;">3</td> </tr> <tr> <td>c. Total Work</td> <td style="text-align: center;">3</td> </tr> </table>	a. Federal Work	1	b. Non-Federal Work	3	c. Total Work	3	
a. Federal Work	1						
b. Non-Federal Work	3						
c. Total Work	3						

12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.	
a. SIGNATURE 	b. DATE June 25, 2020
c. NAME AND TITLE Kenneth C. Jones, P.G., President	

TAB 3
KEY PERSONNEL /
QUALIFICATIONS OF TEAM

TAB 3

Tierra proposes a highly qualified and experienced team to complete geotechnical engineering services for the City. We know that when you select an engineering consultant, you are really choosing people who offer you technical expertise, extensive “hands-on” experience with similar projects, and a demonstrated record of quality and responsiveness that will make your project a success. The following team of skilled professionals have been carefully selected based upon the depth of their qualifications, reputation for response, recognition for quality work, proximity and past performance:

Client/Project Manager: Kevin Scott, P.E. will serve as Tierra’s *Client/Project Manager* and will work closely with the City on all assigned project-related issues associated with this contract. Kevin has more than 19 years of experience in geotechnical investigation and evaluations for various types of projects including water and wastewater facilities, roadway and bridge design, industrial, commercial, high-rise and residential projects throughout Florida. His experience includes planning, directing, and supervising all activities anticipated for this contract including field investigations, field-testing, inspections and laboratory testing, engineering analysis and, reporting. In addition to his geotechnical experience, Kevin has also provided project management and project consulting services for construction materials testing and inspection projects.

Kevin has managed numerous municipal contracts similar to the subject solicitation including on-call service contracts for geotechnical and materials testing services for Pasco County Utilities and BOCC, Sarasota County, Hillsborough County, Hernando County, and the City of Tarpon Springs. In addition, he has managed Tierra’s FDOT District 7 contract for numerous years. *As Client/Project Manager, Kevin will be the initial point of contact with the City responsible for managing staff resources, project budgets and schedules, invoicing, and overseeing communications with the City.*

Contract Management and Quality Control: Larry Moore, P.E. will serve as the Tierra’s *Contract Manager* and will be responsible for managing *Tierra’s Quality Assurance Program*. Larry is a Vice President with Tierra and has more than 31 years of experience serving as a Principal Engineer on a multitude of projects similar to those anticipated under this contract. He has also served as Contract Manager on numerous on-call contracts including the FDOT District 7 Geotechnical & Materials Testing Support Continuing Services contracts for many years. He routinely oversees Quality Control and Assurance for geotechnical projects performed out of Tierra’s Tampa office.

Our team will have the **Corporate Support** of **Joe Di Stefano, P.E.**, who has more than 40 years of industry experience and has successfully directed the performance of geotechnical services on numerous water, wastewater and reuse water projects in his career. Joe will provide additional support to ensure that projects are properly staffed with sufficient and qualified members of our team and will be available to assist as needed in the execution of projects assigned under this contract. As part of this role, Joe will conduct periodic Quality Assurance discussions/meetings with the City of North Port to ensure that our team is meeting the City’s expectations.

Experienced Task Leaders: Our experienced technical staff are strong leaders with proven capabilities, effective communication skills and a commitment to serve the City. The following task leaders will oversee the execution of assigned task work orders and will ensure all deliverables are completed on time and within budget:

Joseph Antinori, P.E., Geotechnical Services Task Leader: Joseph is a Senior Geotechnical Engineer with 14 years of experience providing professional engineering services to clients in both the private and public sector, including numerous state and local agencies. Joseph has served in a similar role leading geotechnical services on a variety of pipeline, pump station and water facility projects. *Examples of recent relevant experience includes modifications to the David L. Tippin WWTF High Service Pump Station in the City of Tampa, the Southwest Water Reclamation Facility Pump Station in the City of St. Petersburg and the Largo Wastewater Treatment Plant Clarifier Tank in Pinellas County as well as force main repair projects on Davis Island and Harbour Island in the City of Tampa.*

Tom Musgrave, P.E., Geotechnical Services Task Leader: Tom has worked in the field of Structural and Geotechnical Engineering for more than 7 years and has led the design efforts on various water, wastewater and reclaimed water projects for municipalities along Florida’s West Coast. His experience further includes structural forensic investigations as well as extensive experience on utility and roadway projects, bridge analysis, pavement evaluation and MSE wall analysis. Additionally, Tom has extensive experience in structural testing methods including GPR evaluation of concrete and steel reinforcement. *Recent related experience includes the North Lee County Wellfield Expansion and the City of Venice Well RO-08 Pipeline project in Sarasota County.*

Graham Zoeller, P.E., Construction Services Task Leader: Tierra understands that the need for construction materials testing and inspection is expected to be limited under this contract but we have those capabilities in the event they are required. As Construction Services Manager for Tierra’s Tampa office, Graham will serve as the Task Leader for any Construction Services Assignments that may be assigned under this contract. With more than 9 years of experience in the field of geotechnical engineering and construction materials testing and inspection, Graham has extensive experience performing these services for both private and public clients including numerous utility (plant and pipeline) types of projects. *Recently, Graham oversaw Tierra’s construction materials testing and inspection services for the City of Largo’s WWRF Biological Treatment Improvements project.*

Tierra’s key personnel are supported by a significant staff of highly qualified and experienced engineers, environmental scientists, laboratory and field technicians.

Subconsultant Partner: To supplement our in-house staff and resources, Tierra has included **Hydro-Environmental Associates, LLC (HEA)** to provide *Hydrogeologic Services* if required under this contract. HEA has more than 60 years of experience providing hydrogeologic investigations including groundwater modeling, production well design and permitting, Mechanical Integrity Testing (MIT), aquifer pumping test supervision and analysis and detailed evaluations. HEA has extensive experience with Florida’s Water Management Districts, the Florida Department of Environmental Protection and other local regulatory agencies and understands how to navigate through the web of regulations required when obtaining or modifying environmental permits.

Kenneth Jones, P.G., Hydrogeological Services Support: Kenneth has more than 40 years of experience in hydrogeologic and environmental consulting and is knowledgeable in all aspects of Florida geology and groundwater analysis. His experience includes groundwater flow and solute transport modeling to determine contaminant migration, duration and efficiency of pumping systems and drawdown impacts including data analysis and interpretation. Ken will be responsible for any required hydrogeologic investigations including wellsite stratigraphic analysis and well design, and all phases of water supply investigations that may be assigned.

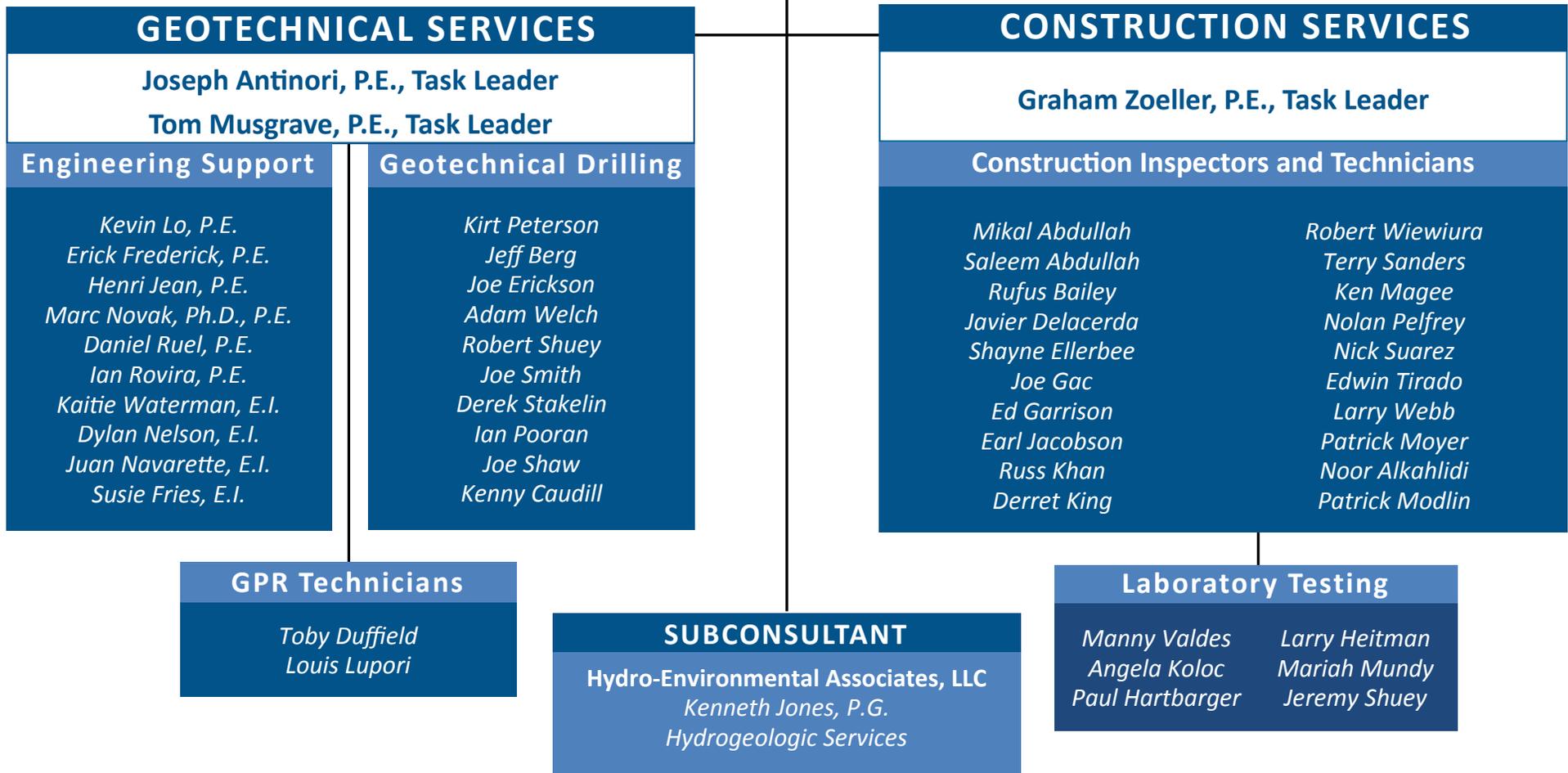
An organizational chart and SF 330 resumes for the key team members shown above have been included on the following pages.



ORGANIZATIONAL CHART



TIERRA'S SERVICES



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Kevin H. Scott, P.E.		13. ROLE IN THIS CONTRACT Client/Project Manager		14. YEARS EXPERIENCE	
				a. TOTAL 19	b. WITH CURRENT FIRM 12
15. FIRM NAME AND LOCATION (City and State) Tierra, Inc., Tampa, Florida					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Civil Engineering			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Florida Professional Engineer, License No. 65514		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <i>American Society of Civil Engineers, Florida Institute of Consulting Engineers</i>					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Connection of Terra Bella Reclaimed Water System to Pasco County Reclaimed Water System, Pasco County, Florida	2018	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Project Manager/Geotechnical Engineer of Record.</i> The project is located along SR 54 in Pasco County and consisted of connecting two existing water mains by horizontal directional drilling with approximately 1300 feet of new Reclaimed Water (RCW) pipeline. Specifically, the project will connect the existing reclaimed water main west of Livingston Road to the existing water main just west of Via Bella Boulevard. The reclaimed water main was to be installed through horizontal directional drilling methods and open trench methods at the connection points. Tierra evaluated existing soils with respect to the RCW pipeline and provided geotechnical recommendations to assist in the design and construction.		
b.	City of Temple Terrace Water Main Replacement Hillsborough County, Florida	2019	2019
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Project Manager/Geotechnical Engineer of Record.</i> This project included the design of approximately 8800 linear feet of water main replacements within the City of Temple Terrace, Florida. Tierra's services included thirty-five Standard Penetration Test (SPT) borings to 10 feet, laboratory testing and geotechnical recommendations to support the design team. Additionally, Tierra provided materials testing of soils during the construction phase of the project.		
c.	Howard F. Curren AWTP Standby Power System Improvements Hillsborough County, Florida	2019	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Project Manager/Geotechnical Engineer of Record.</i> The project included the installation of a 2000 KW Caterpillar diesel engine/generator set in a unit enclosure and the installation of two (2) 25,000 gallon, above-ground, diesel fuel storage tanks at the City of Tampa's Howard F. Curren Advanced Wastewater Treatment Plant (AWTP). The engine/generator set was to be mounted on a concrete pad with an approximate footprint of 11' by 52' while the two (2) diesel storage tanks were to be in a concrete containment area with an approximate footprint of 56' by 36'. Tierra's services included four SPT borings ranging in depth from 35 to 50 feet along with laboratory testing and deep foundation recommendations.		
d.	Shoal Line Boulevard Force Main and Water Main Hernando County, Florida	2017 - 2018	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Project Manager/Geotechnical Engineer of Record.</i> The project is located along Shoal Line Boulevard and Richard Drive in Hernando County and consisted of the design and construction of three force mains (A, B and C) and one water main. The total estimated force main lengths are on the order of 8,700 linear feet and the water main on the order of 430 linear feet. The soil cover over the pipe is a minimum of 4 feet and was anticipated to be performed with open trench construction. Tierra provided geotechnical services to evaluate the existing soils with respect to the proposed force main and water main pipelines.		
e.	Tampa Bay Golf and Country Club Reclaimed Water Services Pasco County, Florida	2016 - 2017	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Project Manager/Geotechnical Engineer of Record.</i> The project consisted of the installation of a new 6 to 8-inch diameter reclaimed water utility line within the existing Tampa Bay Golf and Country Club in Pasco County. The proposed water line was to be installed utilizing directional drilling methods and included 1,450 lineal feet of new water utility line. Tierra provided geotechnical services to support the design and permitting of the reclaimed water pipeline.		

Professional Engineering Services-Continuing Services Contracts for City of North Port Utilities Department

Tab 3: Key Personnel / Qualifications of the Team, SF 330 Section E Resumes

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Larry P. Moore, P.E.	13. ROLE IN THIS CONTRACT Contract Manager / Quality Control	14. YEARS EXPERIENCE	
		a. TOTAL 32	b. WITH CURRENT FIRM 14

15. FIRM NAME AND LOCATION (City and State)
Tierra, Inc., Tampa, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)
B.S., Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Florida Professional Engineer, License No. 47673

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
American Society of Highway Engineers

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Howard F. Curren AWTP Standby Power System Improvements Hillsborough County, Florida	2019	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Principal-In-Charge/QC Manager</i> . The project included the installation of a 2000 KW Caterpillar diesel engine/generator set in a unit enclosure and the installation of two (2) 25,000 gallon, above-ground, diesel fuel storage tanks at the City of Tampa’s Howard F. Curren Advanced Wastewater Treatment Plant (AWTP). The engine/generator set was to be mounted on a concrete pad with an approximate footprint of 11’ by 52’ while the diesel storage tanks were to be in a concrete containment area with an approximate footprint of 56’ by 36’. Tierra’s services included SPT borings ranging in depth from 35 to 50 feet along with laboratory testing and deep foundation recommendations.		
b.	East Maintenance Service Unit Hillsborough County, Florida	2018 - 2019	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Principal-In-Charge/QC Manager</i> . The County proposed to construct new consolidated and hurricane hardened maintenance facility and associated buildings for Public Works, Utilities and Fleet Management operations at the existing Valrico Advanced Wastewater Treatment Plant. The project is being built atop land that was previously mined for phosphate. Tierra provided subsurface explorations, laboratory testing and geotechnical recommendations to support the foundation design for the improvements.		
c.	East Pasco Fleet / Transit Facility Pasco County, Florida	2017-2018	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Principal-In-Charge/QC Manager</i> . The project consisted of the preparation of preliminary construction plans to support a new Pasco County Transit Fleet Facility located on McEndree Road in Pasco County. The project included pavement areas, drainage features and multiple structures including building and water tank structures. The proposed water main water tank will consist of a 40-foot diameter tank with an approximate volume capacity of 250,000 gallons. Tierra provided geotechnical services to support the design of the new Pasco County Transit Fleet Facility.		
d.	128th Lane Sanitary Sewer Line City of Largo, Pinellas County	2017	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Contract Manager</i> . The City requested Tierra to conduct a geotechnical investigation to assist in the evaluation of repair alternatives and requirements for several sanitary sewer manhole and pipe deficiencies along 128 th Lane North within the Acacia residential subdivision. Deficiencies included settling, cracking, infiltration and sags in the 8-inch pipe. Tierra performed a subsurface exploration and provided geotechnical recommends associated with the repairs.		
e.	Crystal Springs Road Water Main Pasco County, Florida	2016 - 2017	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Principal-In-Charge/QC Manager</i> . The project consisted of preparing construction plans to support the installation of a new 12” water main pipeline along Crystal Springs Road in Pasco County. The proposed water main pipeline will extend from the intersection of Chancey Road and Crystal Springs Road and connect to the existing water pipeline near Covey Avenue and Fossil Lane. The proposed water pipeline will cross below the creek which is panned by Bridge No. 144002 along Crystal Springs Road utilizing directional drilling methods. Tierra provided geotechnical services to support the design of the proposed water main pipeline.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Joe Di Stefano, P.E.		13. ROLE IN THIS CONTRACT Corporate Support		14. YEARS EXPERIENCE	
				a. TOTAL 40	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION (City and State) Tierra, Inc., Tampa, Florida					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Civil Engineering			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Florida Professional Engineer, License No. 31939		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <i>American Society of Civil Engineers, American Society of Highway Engineers</i>					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Shady Hills WWTP Expansion Pasco County, Florida	2017	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <i>Contract/Geotechnical Project Manager.</i> This project included the design of two (2) Internal Recycle Pump Stations, Effluent Flow Meter, Odor Control Chemical Storage Tanks and Odor Scrubber and FOG/Septic Storage Tanks along with yard piping at the existing Shady Hills WWTP in Pasco County, Florida. Services included geotechnical investigations including Ground Penetrating Radar using a Mala GPR system with a 250 mega-Hertz antenna, eleven (11) Standard Penetration Test (SPT) borings, hand augers, laboratory testing including moisture content, grain size analysis, Atterberg limit testing and geotechnical recommendations to support the design team. The work was done for Pasco County thru the prime consultant.		
b.	Shell Point Road Parallel Pipe Replacement Hillsborough County, Florida	2016	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <i>Contract/Geotechnical Project Manager.</i> Provided subsurface investigations and associated recommendations for a new pipeline route, which was approximately 11,000 feet, and extended along Shell point Road to 4th Street NW. Services included SPT borings, hand auger borings, laboratory testing and associated geotechnical recommendations. The work was done for Hillsborough County thru the prime consultant.		
c.	Waterset Tank and Pump Station Hillsborough County, Florida	2016	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <i>Contract/Geotechnical Project Manager.</i> Provided subsurface investigations and associated recommendations for the design of a new 5 MG reclaimed water storage tank (150 feet diameter) and high service pump station enclosed in a building. Services included SPT borings, laboratory testing and associated geotechnical recommendations. The work was done for Hillsborough County through the prime consultant.		
d.	Dale Mabry Diversion Force Main Hillsborough County, Florida	2015	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <i>Contract/Geotechnical Project Manager.</i> Served as Project Manager for Geotechnical efforts on this project. Services included subsurface investigations, laboratory testing and geotechnical recommendations for the design of an approximate 26,000 LF - 24 and 36 inch DIP forcemain from the Dale Mabry AWTP to the Northwest Regional WRF in Hillsborough County, Florida. The project included numerous HDD crossings along its limits. The work was done for Hillsborough County thru the prime consultant.		
e.	SWWRF Biosolids to Energy Project City of St. Petersburg, Pinellas County, Florida	2015	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <i>Contract/Geotechnical Project Manager.</i> Served as Project Manager for Geotechnical efforts on this project. Services included subsurface investigations (SPT's, CPT's and DMT's), laboratory testing and geotechnical recommendations to assist with the design of this facility. Specific components included digester building, 2 new digester tanks, gas storage tank, batch tanks, new odor control structure, primary sludge pump structure, 2 new clarifier tanks, splitter box and ferric chloride facility. The work was done for the City of St. Petersburg thru the prime consultant.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Joseph Antinori, P.E.	13. ROLE IN THIS CONTRACT Geotechnical Services Task Leader	14. YEARS EXPERIENCE	
		a. TOTAL 14	b. WITH CURRENT FIRM 14
15. FIRM NAME AND LOCATION (City and State) Tierra, Inc., Tampa, Florida			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Florida Professional Engineer, License No. 73176	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	12-inch Force Main, Harbour Island Pump Station City of Tampa, Florida	2019	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Geotechnical Engineer.</i> The project consisted of installing a 12-inch force main from the Harbour Island Pump Station beneath the Garrison Channel just west of Beneficial Drive. Tierra's project involvement included completing a site specific geotechnical investigation consisting of SPT borings, rock cores, laboratory testing and reporting.		
b.	Davis Island Emergency Repair – Bering Street City of Tampa, Florida	2019	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Geotechnical Engineer.</i> The project consisted of repairing a segment of 48-inch sanitary pipe along Columbia Drive north and south of Bering Street. The repair consisted of utilizing line stops and installing a new segment of pipe. Tierra's involvement was to complete a geotechnical field investigation and evaluate feasible foundation alternatives for support of the line stops and general considerations for the new pipe installation.		
c.	David L. Tippin Water Treatment Facility City of Tampa, Hillsborough County, Florida	2019	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Geotechnical Engineer.</i> The project consisted of evaluating potential improvements to the existing below grade East 5 MG Clearwell, West 5 MG Clearwell and 7.5 MG Clearwell, design of a new High Service Pump Station, below grade Chlorine Contact Chamber and below grade Center Clearwell, and investigating hydrostatic uplift forces on the existing and proposed structures and their ability to resist such forces. Tierra performed a geotechnical study consisting of borings, subsurface sampling, piezometer installations, groundwater level measurements and laboratory testing. Geotechnical recommendations were provided to the design team to assist in the design and construction of the proposed improvements.		
d.	Bypass Force Main Adjacent to Franklin Street Bridge over Garrison Channel, City of Tampa, Hillsborough County, Florida	2019	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Geotechnical Engineer.</i> The project consisted of installing a temporary force main that will be partially supported by a single 12x84 H-Pile in the Garrison Channel parallel to the Franklin Street Bridge. A site specific geotechnical investigation including Standard Penetration Test (SPT) borings was completed by others in 1981 for the design of the Franklin Street Bridge over Garrison Channel. Tierra utilized the available geotechnical data to develop geotechnical design and construction considerations for the chosen driven pile foundation used to support the temporary force main.		
e.	Chamberlain Boulevard Pedestrian Bridge North Port, Florida	2013-2014	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Geotechnical Engineer.</i> The project consisted of the design of a pedestrian bridge over Cocoplum Waterway along Chamberlain Boulevard between Hillsborough Boulevard and Raywood Avenue in North Port, Florida. The pedestrian bridge is approximately 180 feet long and was proposed to consist of 2 spans. Tierra provided geotechnical input to assist in the design of the pedestrian bridge foundations.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Thomas Musgrave, P.E.		13. ROLE IN THIS CONTRACT Geotechnical Services Task Leader		14. YEARS EXPERIENCE	
				a. TOTAL 8	b. WITH CURRENT FIRM 7
15. FIRM NAME AND LOCATION (City and State) Tierra, Inc., Tampa, Florida					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Civil Engineering			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Florida Professional Engineer, License No. 81669		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <i>American Society of Civil Engineers</i>					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	North Lee County Wellfield Expansion Phase III-A Lee County, Florida	2020	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Geotechnical Engineer.</i> This project included the design of four (4) production wells with associated conveyance pipelines and support facilities. Horizontal Directional Drilling (HDD) techniques were to be used for the installation of approximately 27,000 linear feet of pipeline. Tierra's services included thirteen (13) Standard Penetration Test (SPT) borings to depths of 25 to 50 feet below existing ground, laboratory testing and geotechnical recommendations to support the design.		
b.	City of Venice – Well RO - 8E Pipeline Sarasota County, Florida	2020	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Geotechnical Engineer.</i> The project included the design of an approximate 2800 linear foot pipeline along the west side of Pinebrook Road from Kilpatrick Road to about 600 feet north of Curry Lane within the existing right of way of Pinebrook Road. The pipeline was to be installed by Horizontal Directional Drilling (HDD) techniques. Tierra's services included seven (7) Standard Penetration Test (SPT) borings to depths of approximately 30 feet below existing ground, laboratory testing and geotechnical recommendations to support the design.		
c.	Crystal Springs Road Water Main Pasco County, Florida	2016-2017	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Geotechnical Engineer.</i> The project consisted of the preparation of construction plans to support the proposed installation of a new 12-inch water main pipeline along Crystal Springs Road in Pasco County. The proposed water main pipeline will extend from the intersection of Chancey Road and Crystal Springs Road and connect to the existing water pipeline near Covey Avenue and Fossil Lane. The proposed water pipeline will cross below the creek which is spanned by Bridge No. 144002 along Crystal Springs Road utilizing directional drilling methods. Tierra provided geotechnical services to support the design of the proposed water main pipeline.		
d.	Tampa Bay Golf and Country Club Reclaimed Water Services Pasco County, Florida	2016-2017	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Geotechnical Engineer.</i> The project consisted of the installation of a new 6-8 inch diameter reclaimed water utility line within the existing Tampa Bay Golf and Country Club in Pasco County, Florida. The proposed water line was to be installed utilizing directional drilling methods and included 1,450 lineal feet of new water utility line. Tierra provided geotechnical services to support the design and permitting of the proposed reclaimed water pipeline.		
e.	Seven Springs Golf Course and Country Club Reclaimed Water Pond and Pump Station, Pasco County, Florida	2013-2014	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Geotechnical Engineer Intern.</i> The project consisted of preparing construction plans for the proposed Reclaimed Water Storage Pond and Pump Station located within the Seven Springs community in Pasco County, Florida. The project included the modification of an existing pond for future use as a reclaimed water storage pond. Mr. Musgrave provided geotechnical services to support the design and permitting of the proposed water storage pond.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Graham Zoeller, P.E.		13. ROLE IN THIS CONTRACT Construction Services Task Leader		14. YEARS EXPERIENCE	
				a. TOTAL 9	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION (City and State) Tierra, Inc., Tampa, Florida					
16. EDUCATION (DEGREE AND SPECIALIZATION) M.S., Civil Engineering B.S., Civil Engineering			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Florida Professional Engineer, License No. 79426		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <i>American Society of Civil Engineers</i>					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	USF Lift Station No. 3 Hillsborough County, Florida	N/A	2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Construction Services Manager.</i> This project included the construction of a new Lift Station No. 3 on the University of South Florida campus in Tampa, Florida. Tierra provided materials testing of soils including field density testing and inspection of compacted fill in layers for paved areas, slab subgrades and backfill areas. We also provided concrete testing on new concrete pavement, islands, sidewalks, etc. on the project for the contractor. <input checked="" type="checkbox"/> Check if project performed with current firm		
b.	South County Advanced Wastewater Treatment Plant Expansion Hillsborough County, Florida	N/A	2019-2020
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Construction Services Manager.</i> The project included the Phase 3 and 4 expansion of the South County AWWTP in Hillsborough County, Florida. Components of the project included new electrical building, solids handling building, WAS tank, and associated site paving, grading and drainage improvements. Tierra provided materials testing of soils and concrete for the contractor during the construction phase of the project. <input checked="" type="checkbox"/> Check if project performed with current firm		
c.	St. Augustine and Live Oak Water Main Replacement Phase I Temple Terrace, Hillsborough County, Florida	N/A	2019
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Construction Services Manager.</i> The project included the installation of new water mains within the Rights-of-Way of S. Riverhills Drive, Sunnyside Road, Live Oak Avenue, Glen Oaks Avenue and W. Brentwood Drive in Temple Terrace, Florida. More specifically, the project included the installation of 2,718 LF of 6" water main and the abandonment of 2,819 LF of old 2", 4" and 6" water mains. Tierra performed soil, concrete and asphalt testing services to support the construction of the water main replacements. <input checked="" type="checkbox"/> Check if project performed with current firm		
d.	Wastewater Reclamation Facility Biological Treatment Improvements City of Largo, Pinellas County, Florida	N/A	2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Construction Services Manager.</i> The project entailed improvements to the City of Largo's WWRF Biological Treatment process to reduce effluent total nitrogen (TN) concentration as well as various infrastructure replacement and repairs to improve facility safety and operations. Tierra performed soil, concrete and asphalt field testing services. Further testing was performed in Tierra's in-house laboratory to determine the compressive strength of cylinders, asphalt, grout and mortar. <input checked="" type="checkbox"/> Check if project performed with current firm		
e.	Boca Ciega Bay Subaqueous Crossing Pinellas County, Florida	N/A	2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Construction Services Manager.</i> The project included the installation of a 24 inch forcemain that extended east along the Pinellas Trail, then via a subaqueous crossing under Boca Ciega Bay, continuing eastward to Park St. North. Tierra provided materials testing of soils including proctors, LBR's and density testing as well as asphalt testing during the construction phase of the project. <input checked="" type="checkbox"/> Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Kenneth C. Jones, P.G.		13. ROLE IN THIS CONTRACT Senior Hydrogeologist		14. YEARS EXPERIENCE	
				a. TOTAL 42	b. WITH CURRENT FIRM 25
15. FIRM NAME AND LOCATION (City and State) Hydro-Environmental Associates, LLC., Tampa, Florida					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.A., Geology			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Florida Professional Geologist, License No. 00247		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <i>American Institute of Professional Geologists</i>					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	GSA Redevelopment, Automotive Landfill, Assessment & Remediation Tampa, Hillsborough County, Florida	2020	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Project Manager.</i> Conducted a ground penetrating radar scan and test pit excavations to define the limits of a former automotive landfill. Obtained Director’s Authorization permits from the Hillsborough County Environmental Protection Commission to excavate and dispose of the debris. Responsible for construction and debris removal oversight of the landfill material. Services include documenting recovered material, soil and air testing, regulatory reporting and geotechnical support.		
b.	Hydrogeologic Analysis of the proposed Forest Lake Crystal Lagoon Hillsborough County, Florida	2017	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Project Manager.</i> Conducted a hydrogeologic study of the proposed Forest Lake Crystal Lagoon located in SE Hillsborough County to determine the water use requirements and recharge potential. Revised the SWFWMD DWRM2 groundwater model to evaluate the impacts of the proposed lagoon and to determine the water balance.		
c.	Hydrogeological Assessment of the Proposed Mecca Reservoir Palm Beach County, Florida	2017	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Project Manager.</i> Conducted a hydrogeological assessment of the proposed Mecca Reservoir Site located in northwestern Palm Beach County. The reservoir will be designed to take excess flows from the east side of Lake Okeechobee during the rainy season for storage, recharge and treatment. A part of this study, the Lower East Coast Subregional-North Palm Model, created by the SFWMD, was modified to evaluate the groundwater impacts of the proposed reservoir on the adjacent wetlands, streams and aquifer levels.		
d.	Exploratory Well Hydrogeology Services, Bee Ridge Road WWTP Sarasota County, Florida	2016	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Project Manager.</i> Supervised the installation and testing of a 4,500 foot deep exploratory injection well at the Bee Ridge Road WWTP. Duties included conducting packer tests, interpretation of geophysical logs and lithologic data, conducting specific capacity tests and aquifer and pumping tests. Additionally, HEA provided hydrogeological oversight during major drilling activities.		
e.	Moog Road Wellhead Protection Study Pasco County, Florida	2013	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <i>Project Manager.</i> Conducted a wellhead protection study of Pasco County water supply wells CH-1, CH-2 and CH-3 as part of a proposed development at the edge of a Wellhead Protection Exclusion Zone. The study further determined the historic range in pumping from the wellfield and determined the 5 and 10-year capture zones of the production wells, using the MODFLOW and MODPATH models. The results of this study indicated that the existing exclusion zone was established significantly beyond the simulated 5 and 10-year travel times, and that the Moog Road site was outside of both of these areas. HEA successfully obtained a variance in the area of exclusion zone surrounding production well CH-3 from Pasco County government to allow for the development to proceed as intended.		

TAB 4
TEAM'S PREVIOUS
EXPERIENCE /
PROFICIENCY IN SIMILAR
PROJECTS / PROGRAMS

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER 1
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21. TITLE AND LOCATION <i>(City and State)</i> 2019-2020 Water Distribution System Improvements City of North Port, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of North Port c/o Stantec Consulting Services, Inc.	b. POINT OF CONTACT NAME Stephen MacEachern, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 941-907-6900
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

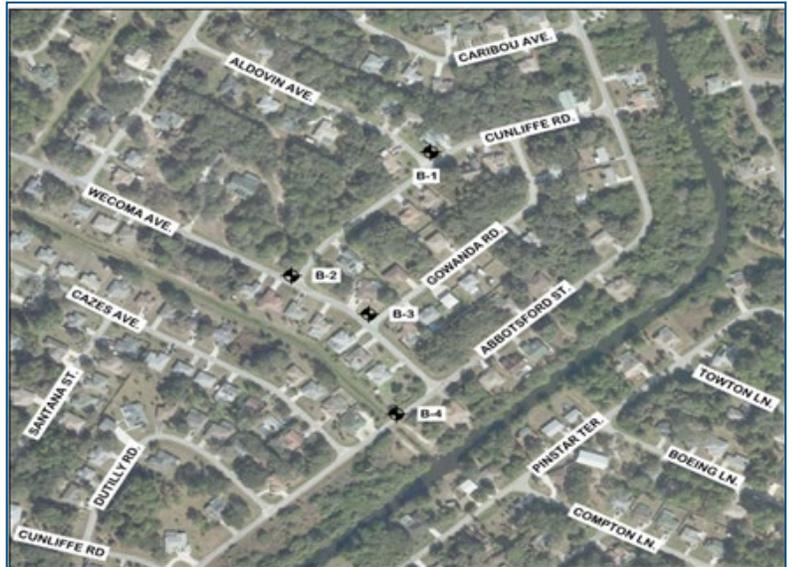
This project consisted of preparing construction plans for improvements to the water distribution system in North Port, Florida. The proposed distribution system was to be installed using conventional cut and cover pipe laying operations or Horizontal Directional Drills (HDDs). Geotechnical information was requested for the pipe installation at the three (3) locations listed below:

- *Cunliffe Road Area:* Open cut and cover operations - One (1) HDD
- *Hartsdale Street Area:* Open cut and cover operations - One (1) HDD
- *Totem Avenue Area:* Open cut and cover operations

It was anticipated that the depth of the HDDs would be installed above the depths of the borings completed for this study.

Tierra executed a program of subsurface exploration consisting of ten (10) Standard Penetration Test (SPT) borings to depths ranging from approximately 10 to 30 feet below existing grades, and collected groundwater level measurements. Samples were classified in Tierra's in-house laboratory and geotechnical recommendations were provided to assist in the design of the new distribution system.

Tierra's Fees: \$4,699.81



RELEVANCE TO THIS CONTRACT

- *Potable Water Pipeline*
- *Design Phase*

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME Tierra, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Tampa, Florida	(3) ROLE Geotechnical Sub-Consultant
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<p style="text-align: center;">F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i></p>	<p>20. EXAMPLE PROJECT KEY NUMBER</p> <p style="font-size: 2em; font-weight: bold;">2</p>
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<p>21. TITLE AND LOCATION <i>(City and State)</i></p> <p>David L. Tippin Water Treatment Facility, High Service Pump Station and Miscellaneous Improvements, City of Tampa, Florida</p>	<p>22. YEAR COMPLETED</p>	
	<p>PROFESSIONAL SERVICES</p> <p style="font-weight: bold;">2019 - Ongoing</p>	<p>CONSTRUCTION <i>(If applicable)</i></p>

23. PROJECT OWNER'S INFORMATION

<p>a. PROJECT OWNER</p> <p>City of Tampa c/o Jacobs</p>	<p>b. POINT OF CONTACT NAME</p> <p style="text-align: center;">David Schoster, P.E.</p>	<p>c. POINT OF CONTACT TELEPHONE NUMBER</p> <p style="text-align: center;">352-384-7167</p>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Originally constructed between 1924 and 1926 with the capacity to produce 8 MGD of potable water to serve a population of approximately 74,000, the David L. Tippin Water Treatment Facility has expanded over the years and now produces approximately 80 MGD of potable water for customers within the Tampa Water Department. The primary source of water for the plant is the Hillsborough River and the plant is permitted to produce 82 MGD (average daily flow) and 120 MGD (peak flow). The project includes the construction of a new high service pump station with a new common header, baffling within the existing on-site clear wells, and provision for non-chlorinated backwash water for the filters.

Tierra performed test borings, subsurface sampling and completed piezometer installations in order to identify the subsurface conditions and groundwater levels at the requested locations. Laboratory testing consisting of gradation, Atterberg Limits, natural moisture content, split tensile strength, compressive strength, standard proctor maximum dry density and permeability/hydraulic conductivity was performed in Tierra's in-house laboratory.



Tierra's Fees (to date): \$90,910.50

- RELEVANCE TO THIS CONTRACT
- Potable Water Treatment
 - Design Phase

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a	<p>(1) FIRM NAME</p> <p style="text-align: center;">Tierra, Inc.</p>	<p>(2) FIRM LOCATION <i>(City and State)</i></p> <p style="text-align: center;">Tampa, Florida</p>	<p>(3) ROLE</p> <p style="text-align: center;">Geotechnical Sub-Consultant</p>
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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER <h1 style="font-size: 2em;">3</h1>
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21. TITLE AND LOCATION <i>(City and State)</i> Water Main Extensions City of Temple Terrace, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018-2019	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of Temple Terrace c/o CPH Engineers	b. POINT OF CONTACT NAME David Wheeler, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 407-425-0452
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The project included the renovation of water mains located in Temple Terrace, Florida. The total estimated water main length is on the order of 8,800 linear feet and is proposed to be constructed in three phases.

During the design phase, Tierra's services included thirty-five (35) SPT borings to a depth of approximately 10 feet below ground surface along the pipeline route. Groundwater level measurements were collected in the field and samples were classified in Tierra's in-house laboratory to identify the soil conditions at each boring location. Additionally, environmental classifications were provided.



During the construction phase, Tierra provided construction materials testing and inspection services including soil, concrete and asphalt testing.

Tierra's Fees: \$16,282.84

- RELEVANCE TO THIS CONTRACT**
- *Potable Water Pipeline*
 - *Design and Construction Phase*

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a	(1) FIRM NAME Tierra, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Tampa, Florida	(3) ROLE Geotechnical Sub-Consultant
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<p>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i></p>	<p>20. EXAMPLE PROJECT KEY NUMBER</p> <p style="font-size: 2em; font-weight: bold;">4</p>
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<p>21. TITLE AND LOCATION <i>(City and State)</i> Tampa Bay Golf and Country Club Reclaimed Water Services Pasco County, Florida</p>	<p>22. YEAR COMPLETED</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">PROFESSIONAL SERVICES</td> <td style="width: 50%; padding: 2px;">CONSTRUCTION <i>(If applicable)</i></td> </tr> <tr> <td style="text-align: center; padding: 2px;">2016</td> <td style="padding: 2px;"></td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>	2016	
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>				
2016					

23. PROJECT OWNER'S INFORMATION

<p>a. PROJECT OWNER Pasco County c/o Coastal Design Consultants, Inc.</p>	<p>b. POINT OF CONTACT NAME Greg Wegener, P.E.</p>	<p>c. POINT OF CONTACT TELEPHONE NUMBER 727-849-8010</p>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The project included the design of approximately 1,450 linear feet of new 6 to 8-inch diameter reclaimed water utility line within the existing Tampa Bay Golf and Country Club in Pasco County, Florida. The proposed water line was to be installed utilizing directional drilling methods.

Tierra's services included a program of subsurface exploration consisting of borings, subsurface sampling and field-testing. We performed a total of four (4) Standard Penetration Test (SPT) borings to a depth of approximately 25 feet below existing grades and two (2) hand auger borings to depths ranging from approximately 6 to 7 feet below existing grades in the areas of the proposed directional drill operation. Additionally, we performed laboratory testing and provided geotechnical recommendations to support the design team. *Tierra's Fees: \$3,100.00*



- RELEVANCE TO THIS CONTRACT**
- Reuse Water Pipeline
 - Design Phase

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

<p>(1) FIRM NAME</p> <p>Tierra, Inc.</p>	<p>(2) FIRM LOCATION <i>(City and State)</i></p> <p>Tampa, Florida</p>	<p>(3) ROLE</p> <p>Geotechnical Sub-Consultant</p>
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<p style="text-align: center;">F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i></p>	<p>20. EXAMPLE PROJECT KEY NUMBER</p> <p style="font-size: 2em; font-weight: bold;">5</p>
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<p>21. TITLE AND LOCATION <i>(City and State)</i> Howard F. Curren AWTP Standby Power System Improvements City of Tampa, Florida</p>	<p>22. YEAR COMPLETED</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">PROFESSIONAL SERVICES</td> <td style="width: 50%; padding: 2px;">CONSTRUCTION <i>(if applicable)</i></td> </tr> <tr> <td style="text-align: center; padding: 2px;">2019</td> <td></td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>	2019	
PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>				
2019					

23. PROJECT OWNER'S INFORMATION

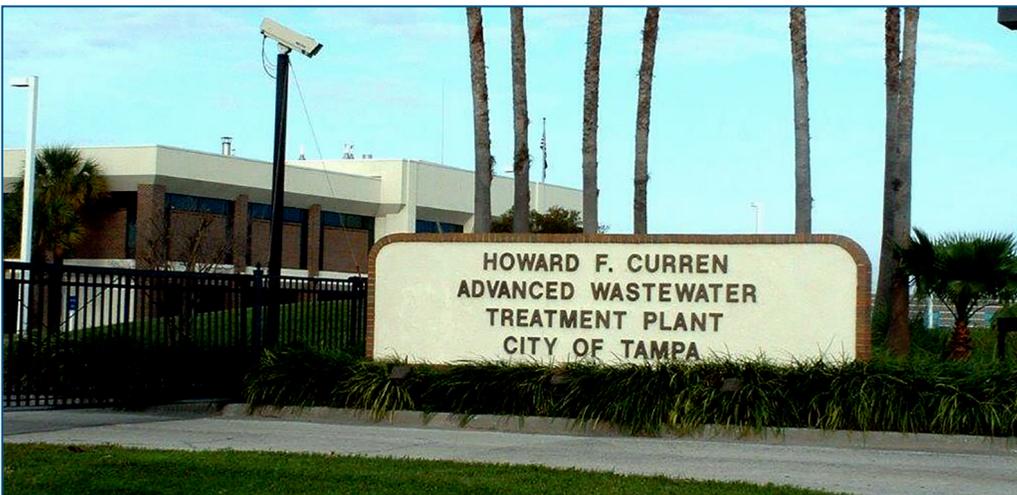
<p>a. PROJECT OWNER City of Tampa c/o Engineering Design Technologies, Corp.</p>	<p>b. POINT OF CONTACT NAME Bob Hallman</p>	<p>c. POINT OF CONTACT TELEPHONE NUMBER 813-289-8080</p>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The project consisted of the installation of a 2000 KW Caterpillar diesel engine/generator set in a unit enclosure and the installation of two (2) 25,000 gallon, above-ground, diesel fuel storage tanks at the City of Tampa's Howard F. Curren Advanced Wastewater Treatment Plant. The City of Tampa plans to keep the existing underground storage tanks to be used in conjunction with the new storage tanks.

The engine/generator was to be mounted on a concrete pad with an approximate footprint of 11 feet by 52 feet. The two (2) diesel storage tanks were designed to be in a concrete containment area with an approximate footprint of 56 feet by 36 feet. A concrete pipe trench will contain the diesel fuel piping that extends from the diesel fuel storage area to the new generator and the existing generator fuel system.

Tierra performed a geotechnical field study for the proposed improvements consisting of four (4) SPT borings performed to depths ranging from 35 to 50 feet below existing grades, laboratory testing and associated geotechnical recommendations to support the design. The foundation system recommended was pre-stressed concrete driven piles. *Tierra's Fees: \$6,237.23*



- RELEVANCE TO THIS CONTRACT**
- *Wastewater Treatment Plant*
 - *Design Phase*

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

<p>(1) FIRM NAME</p> <p style="font-size: 1.5em; font-weight: bold;">Tierra, Inc.</p>	<p>(2) FIRM LOCATION <i>(City and State)</i></p> <p style="font-size: 1.5em; font-weight: bold;">Tampa, Florida</p>	<p>(3) ROLE</p> <p style="font-size: 1.5em; font-weight: bold;">Geotechnical Sub-Consultant</p>
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<p style="text-align: center;">F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i></p>	20. EXAMPLE PROJECT KEY NUMBER <h1 style="font-size: 2em; margin: 0;">6</h1>
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21. TITLE AND LOCATION <i>(City and State)</i> 2019 Water Distribution System Improvements City of North Port, Florida	22. YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES</td> <td style="width: 50%; text-align: center;">CONSTRUCTION <i>(If applicable)</i></td> </tr> <tr> <td style="text-align: center;">2019</td> <td></td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>	2019	
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>				
2019					

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City of North Port c/o Stantec	b. POINT OF CONTACT NAME Stephen MacEachern	c. POINT OF CONTACT TELEPHONE NUMBER 941-907-6900
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This project consisted of preparing construction plans for improvements to the water distribution system in four (4) areas of North Port, Florida. The proposed distribution system was to be 6-inch PVC or 8-inch HDPE pipes that were to be installed using conventional cut and cover pipe laying operations or Horizontal Directional Drills (HDDs). Pipe installation anticipated at each of the four (4) locations included in our services were as follows:

- *Brickell & Crane Area:* Open cut and cover operations
- *Calera Area:* Open cut and cover operations
- *Jeannin Drive Area:* Open cut and cover operations - Two (2) HDDs
- *Trifono Area:* One (1) HDD

It was anticipated that the depth of the HDDs were to be installed above the depths of the borings completed for this study.

Tierra executed a program of subsurface exploration consisting of ten (10) SPT borings to depths ranging from approximately 10 to 25 feet below existing grades at locations requested by the designers and collected groundwater level measurements. Samples were classified in Tierra's in-house laboratory and geotechnical recommendations were provided to assist in the design of the new distribution system. *Tierra's Fees: \$5,078.79*



RELEVANCE TO THIS CONTRACT

- *Potable Water Pipeline*
- *Design Phase*

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a	(1) FIRM NAME Tierra, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Tampa, Florida	(3) ROLE Geotechnical Sub-Consultant
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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER 7
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21. TITLE AND LOCATION <i>(City and State)</i> Northwest Water Reclamation Facility (NWWRF) Pinellas County, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(if applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Pinellas County c/o AECOM	b. POINT OF CONTACT NAME David Wilcox, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 813-636-2198
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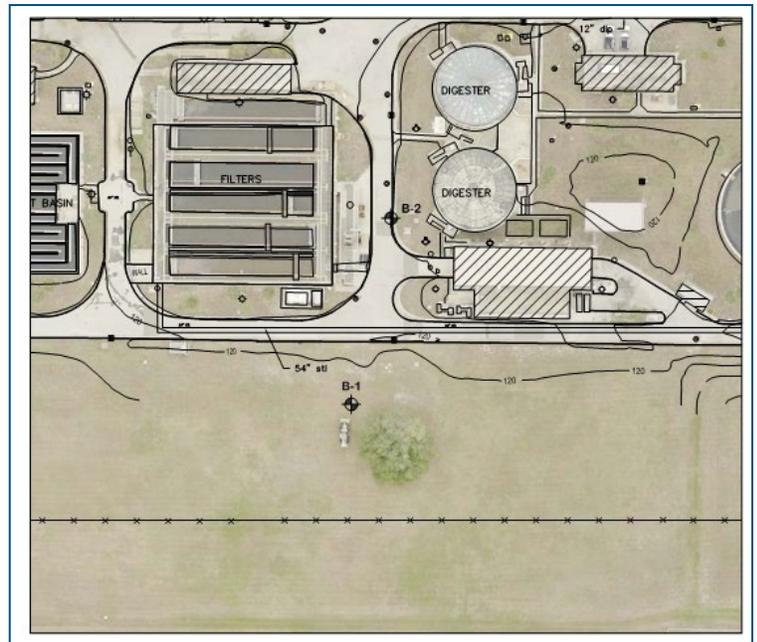
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The project site is located at the Northwest Water Reclamation Facility (NWWRF) within the City of St. Petersburg, in Pinellas County, Florida. The project improvements consisted of the installation of a disk filtration system with an associated 110 feet of 54-inch diameter pipe installed through Jack and Bore (J&B) methods. It was anticipated that the filtration system would be supported on a concrete slab.

Tierra executed a program of subsurface exploration consisting of two (2) SPT borings to a depth of approximately 50 feet below grade in the vicinity of the proposed disk filter system as well as the 54-inch diameter pipe.

We also provided laboratory testing services and associated geotechnical recommendations to support the design. Our recommendations addressed subsurface conditions encountered as well as settlement, disk floor slab construction, drainage and groundwater concerns.

Tierra's Fees: \$3,234.00



- RELEVANCE TO THIS CONTRACT**
- *Wastewater Treatment and Reuse*
 - *Design Phase*

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a	(1) FIRM NAME Tierra, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Tampa, Florida	(3) ROLE Geotechnical Sub-Consultant
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<p style="text-align: center;">F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</p>	<p>20. EXAMPLE PROJECT KEY NUMBER</p> <h1 style="font-size: 2em; margin: 0;">8</h1>
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<p>21. TITLE AND LOCATION (City and State) Harbour Island Force Main City of Tampa, Florida</p>	<p>22. YEAR COMPLETED</p>	
	<p>PROFESSIONAL SERVICES 2019</p>	<p>CONSTRUCTION (If applicable)</p>

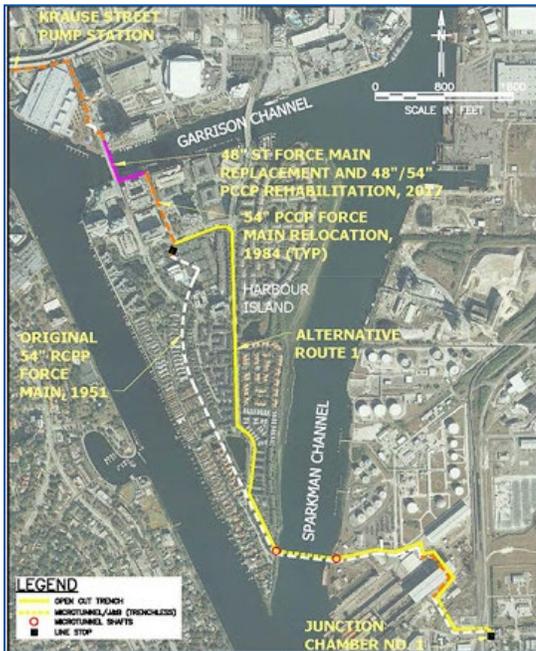
23. PROJECT OWNER'S INFORMATION

<p>a. PROJECT OWNER City of Tampa c/o Wade Trim</p>	<p>b. POINT OF CONTACT NAME Tom Wilson, P.E.</p>	<p>c. POINT OF CONTACT TELEPHONE NUMBER 727-798-8178</p>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The project consisted of the design of a 12-inch force main from the Harbour Island Pump Station beneath the Garrison Channel just west of Beneficial Drive in Tampa, Florida. Tierra's project involvement included a site-specific geotechnical investigation consisting of one (1) SPT boring performed on the north side of Garrison Channel to a depth of approximately 80 feet and one (1) SPT boring on the south side of Garrison Channel to a depth of 60 feet.

Rock cores were collected at each of the test hole locations for compressive and split tensile testing. Laboratory testing was conducted on selected soil samples to confirm visual classification and a geotechnical report was prepared summarizing the field and laboratory data collected. *Tierra's Fees: \$8,416.49*



RELEVANCE TO THIS CONTRACT

- *Wastewater Pipeline*
- *Design Phase*

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a	Tierra, Inc.	Tampa, Florida	Geotechnical Sub-Consultant

<p style="text-align: center;">F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i></p>	<p>20. EXAMPLE PROJECT KEY NUMBER</p> <p style="text-align: center; font-size: 2em; font-weight: bold;">9</p>
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<p>21. TITLE AND LOCATION <i>(City and State)</i> Lift Station C Force Main Replacement Town of Longboat Key, Florida</p>	<p>22. YEAR COMPLETED</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">PROFESSIONAL SERVICES</td> <td style="width: 50%; padding: 5px;">CONSTRUCTION <i>(If applicable)</i></td> </tr> <tr> <td style="text-align: center; padding: 5px;">2017</td> <td style="padding: 5px;"></td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>	2017	
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>				
2017					

23. PROJECT OWNER'S INFORMATION

<p>a. PROJECT OWNER Town of Longboat Key c/o AECOM</p>	<p>b. POINT OF CONTACT NAME Francisco Bohorquez, P.E.</p>	<p>c. POINT OF CONTACT TELEPHONE NUMBER 813-636-2198</p>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The project consisted of the design of a new 10-inch force main to be constructed along the east side of State Road 789 (Gulf of Mexico Drive) between Binnacle Point Drive and Tarawitt Drive. The pipeline was to be installed via Horizontal Directional Drilling methods.

Tierra's services included subsurface investigations consisting of four (4) Standard Penetration Test (SPT) borings to depths on the order of 25 feet below the ground surface, laboratory testing and geotechnical recommendations to support the design.

Tierra's Fees: \$4,979.69



RELEVANCE TO THIS CONTRACT

- *Wastewater Pipeline*
- *Design Phase*

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

<p>a (1) FIRM NAME Tierra, Inc.</p>	<p>(2) FIRM LOCATION <i>(City and State)</i> Tampa, Florida</p>	<p>(3) ROLE Geotechnical Sub-Consultant</p>
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<p>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i></p>	<p>20. EXAMPLE PROJECT KEY NUMBER</p> <p style="font-size: 2em; font-weight: bold;">10</p>
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<p>21. TITLE AND LOCATION <i>(City and State)</i> Sarasota County Bee Ridge Exploratory Well Hydrogeological Services Sarasota County, Florida</p>	<p>22. YEAR COMPLETED</p>	
	<p>PROFESSIONAL SERVICES</p> <p style="font-weight: bold;">2016</p>	<p>CONSTRUCTION <i>(If applicable)</i></p>

23. PROJECT OWNER'S INFORMATION

<p>a. PROJECT OWNER Sarasota County c/o Atkins N.A.</p>	<p>b. POINT OF CONTACT NAME Tom Farkas</p>	<p>c. POINT OF CONTACT TELEPHONE NUMBER 813 335-3247</p>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This project included the installation and testing of a 4,500-foot deep exploratory injection well at the Bee Ridge Road Wastewater Treatment Plant. Duties included conducting packer tests, interpretation of geophysical logs, interpretation of lithological data, conducting specific capacity test, and aquifer pumping tests. HEA was subcontracted by Atkins, N.A. to assist with the hydrogeological oversight during major drilling activities.

HEA's Fees: \$20,000.00



RELEVANCE TO THIS CONTRACT

- *Hydrogeology*
- *Design Phase*

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

<p>(1) FIRM NAME</p> <p>a Hydro-Environmental Associates, Inc.</p>	<p>(2) FIRM LOCATION <i>(City and State)</i></p> <p>Tampa, Florida</p>	<p>(3) ROLE</p> <p>Hydrogeological Sub-consultant</p>
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Tab 4: Team's Previous Experience/Proficiency in Similar Projects/Programs

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	6	7	8	9	10
Kevin Scott, P.E.	Client/Project Manager			✓	✓	✓		✓			
Larry Moore, P.E.	Contract Manager/Quality Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Joe Di Stefano, P.E.	Corporate Support		✓						✓		
Joseph Antinori, P.E.	Geotechnical Task Leader		✓						✓		
Tom Musgrave, P.E.	Geotechnical Task Leader				✓			✓			
Graham Zoeller, P.E.	Construction Task Leader			✓							
Ken Jones, P.G.	Hydrogeological Subconsultant										✓

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	2019-2020 Water Distribution System Improvements City of North Port, Florida	6	2019 Water Distribution System Improvements City of North Port, Florida
2	David L. Tippin WTF High Service Pump Station and Miscellaneous Improvements, City of Tampa, Florida	7	Northwest Water Reclamation Facility (NWWRF) Pinellas County, Florida
3	Water Main Extensions City of Temple Terrace, Florida	8	Harbour Island Force Main City of Tampa, Florida
4	Tampa Bay Golf and Country Club Reclaimed Water Services, Pasco County, Florida	9	Lift Station C Force Main Replacement Town of Longboat Key, Florida
5	Howard F. Curren AWTP Standby Power System Improvements, City of Tampa, Florida	10	Bee Ridge Exploratory Well Hydrogeological Services Sarasota County, Florida

TAB 5
MANAGEMENT APPROACH /
PROJECT CONTROL

APPROACH TO CONTRACT MANAGEMENT

To assure timely completion of all work engineering assignments, the Tierra team will function as an extension of the City staff. We believe that a hands-on project management approach and a project manager with the ability to assign personnel and resources help us meet our client's goals and provide maximum responsiveness to our client's expectations of quality and service.

Kevin Scott, P.E., will serve as our **Client/Project Manager** and will work closely with the City on all contractual issues associated with this contract. With more than 19 years of experience in the field of geotechnical engineering and construction materials testing, Kevin has managed numerous continuing services contracts for various agencies throughout the state. In addition to his technical expertise and oversight, he will also work closely with Tierra's Task Leaders to ensure the resource requirements for each assignment are always met. As Client/Project Manager, Kevin will be responsible for the following:

- Maintaining task work order tracking spreadsheets and administering project schedules and budgets;
- Assigning individual project tasks to personnel with the experience and availability to complete the work within budget and on schedule;
- Providing ample resources to perform all tasks efficiently;
- Adhering to Tierra's Quality Control Plan;
- Maintaining communication with the City's Project Manager.

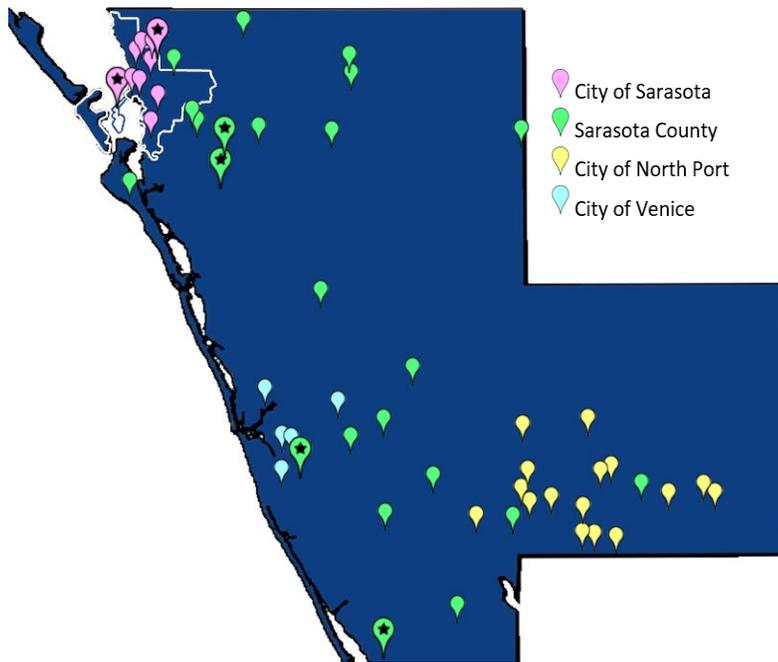
FAMILIARITY WITH CONTRACTING PROCESS

Tierra understands that the City is seeking a consultant to perform as-needed geotechnical engineering services. With more than 28 years of experience managing continuing service contracts, Tierra understands the requested services will be task-driven with project assignments varying in nature and complexity. Therefore, to assure timely and cost-effective completion, we will implement the following general procedures to provide an effective project management program when given an assignment:

- Define project issues, objectives and expectations, schedules and potential constraints;
- Coordinate and discuss scope with the City;
- Prepare fee proposal for approval;
- Develop and implement a proactive project management program to facilitate the delivery of a quality project;
- Establish project level lines of authority and communication so progress of the work is unimpeded and there is a clear chain of command to effectively manage administrative and technical related issues;
- Schedule and perform job related tasks after receiving authorization to proceed;
- Monitor and update the progress of the schedule and budget to make certain the City's needs are met;
- Effectively communicate project progress and issues with the City's Project Manager;
- Ensure that Quality Control / Quality Assurance procedures are performed;
- Submit task report, finalize and sign and seal after comments, if any, are resolved.

Tierra knows that understanding the scope of services is a crucial element in completing and managing any task. All questions regarding the scope of services, or any suggestions that may either reduce the cost or shorten the schedule of the project, will be communicated to the City's Project Manager. As with any assignment, unexpected conditions may be encountered that dictate an adjustment to the initially proposed work. If a change in scope is found to be appropriate, Tierra will communicate the conditions to the City in writing and discuss the appropriate course of action.

Geotechnical engineering and construction materials testing are the mainstays of our firm’s professional practice and we have provided these services for a variety of clients ranging from local municipalities and governments to state departments of transportation and private developers. Tierra’s personnel have performed numerous subsurface



explorations within the City of North Port and surrounding County. Our vast experience with these projects and our knowledge of the subsurface soil conditions within Sarasota County make Tierra a key consultant for this contract.

Tierra’s Tampa office is located approximately 1 hour from the City of North Port’s City Hall. As shown left, Tierra has successfully service the City, Sarasota County and surrounding municipalities on numerous projects in the past and we are confident that our team will continue to provide cost-effective services while maintaining strict schedule timeframes.

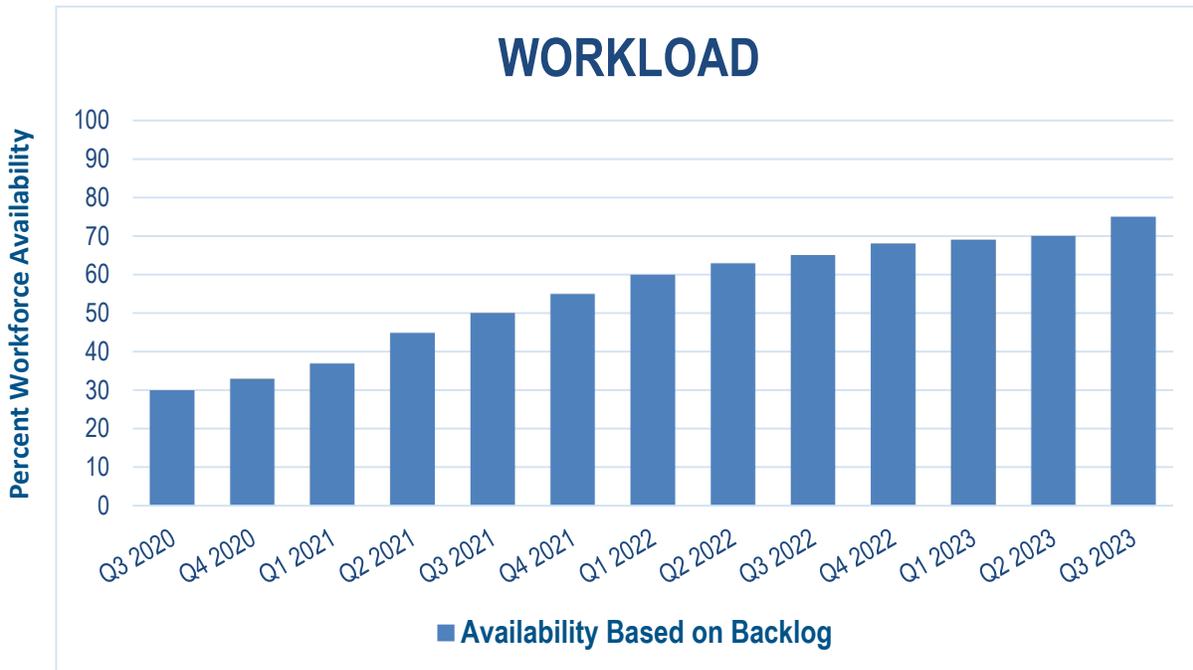
Additionally, Tierra is currently performing services on a continuing-contract basis with more than 20 cities, counties and state agencies throughout Florida. An abbreviated list of Tierra’s continuing contract experience is as follows:

- **Pasco County Utilities, 2020 – ongoing**, Continuing Contract for Professional Services
- **TOHO Water Authority, 2020 – ongoing**, Geotechnical, Environmental & Materials Consultant Services
- **City of Sarasota, 2019 – ongoing**, Soil and Material Testing Services CCNA
- **Sarasota County, 2016 – ongoing**, Construction Services and Geotechnical Engineering Services
- **City of Clearwater, 2015 – ongoing**, Engineer of Record: Geotechnical Services
- **City of Largo, 2015 – ongoing**, Geotechnical Engineering and Environmental Consulting Services
- **City of Longwood, 2018 – ongoing**, Continuing Professional Engineering Services
- **City of Plant City, 2017 – ongoing**, Geotechnical Services
- **City of St. Petersburg, 2017 – 2019**, Construction Engineering and Inspection Services
- **City of Tarpon Springs, 2010 – 2018**, Geotechnical and Construction Testing Services
- **City of Temple Terrace, 2010 – 2019**, Miscellaneous Geotechnical Services
- **Citrus County, 2018 – ongoing**, Continuing Contract for Professional Services
- **Hernando County, 2015 – ongoing**, Geotechnical Engineering Services
- **Hillsborough County, 2010 – ongoing**, Geotechnical and Materials Testing and Inspection Services
- **Hillsborough County School Board, 2019 – ongoing**, Continuing Professional Services
- **Lake County, 2018 – ongoing**, On-Call Geotechnical Engineering Services
- **Pasco County, 2016 – ongoing**, Geotechnical and Materials Testing Services
- **Pinellas County School Board, 2016 – ongoing**, Geotechnical and Environmental Consulting Services
- **Orange County, 2017 – ongoing**, Continuing Professional and Materials Testing Services
- **Osceola County, 2018 – ongoing**, Geotechnical Materials Testing and Threshold Inspection Services
- **Seminole County, 2018 – ongoing**, Geotechnical and Construction Materials Testing and Inspection Services
- **Seminole Tribe of Florida, 2020 – ongoing**, Tribalwide Engineering Services
- **Volusia County, 2016 – ongoing**, Professional Construction Material Testing Services

WORKLOAD

Tierra has the capability to handle projects of any size proposed by the City. We have ample availability to provide geotechnical engineering, environmental site assessment and construction materials testing and inspection services on multiple projects and tasks concurrently to the City of North Port on this contract. Tierra makes the commitment that our team members will be dedicated, as necessary, to meet the needs for increases in workload that may arise from the City on this contract. We have reviewed the anticipated scope provided in the solicitation for this contract, verified our backlog and staff availability and are confident that our team not only has the ample capacity, but also the capability and commitment to perform all services requested by the City of North Port.

Based on Tierra’s anticipated workload, as shown in the table below, our team has sufficient availability to commit to this contract.



SCHEDULE CONTROL TECHNIQUES

Tierra understands the critical nature of City schedules during design and construction and we are prepared to meet or exceed any response time requirements as set forth by the City. As professionals serving many repeat clients, the ability to complete quality work within a timely manner has long been a hallmark of Tierra’s corporate philosophy. **Tierra’s engineering and laboratory staff have access to all of Tierra’s offices, 24-hours a day and Tierra’s personnel are accustomed to doing what it takes to meet the needs of a client.** Our field staff routinely canvas large areas allowing us to provide service to requests with very limited lead-time and our in-house drilling and laboratory capabilities allow us to quickly schedule and report results without relying on subcontractor firms. Tierra’s staff members are able to collaborate in an integrated fashion using Go-To Internet meetings, videoconferencing and telecommunications to assist with project coordination regardless of physical location. Furthermore, all team members are linked electronically via company-provided cell phones, facilitating overall project production and coordination.

QUALITY CONTROL AND ASSURANCE APPROACH

Quality Assurance / Quality Control for this contract will be led by Larry Moore, P.E. in accordance with Tierra's Quality Assurance and Quality Control (QA/QC) Management Program. Tierra has developed and consistently implements a documented QA/QC program where all deliverables, whether draft or final, undergo a formal review prior to submittal to any client and which includes the training of our technical staff, maintenance of current copies of test procedures, guidelines and specifications and the certification of our inspectors through CTQP, ACI and other training sources. *Tierra's Quality Assurance and Quality Control Management Program includes the following activities:*

- Maintaining and utilizing current versions of FDOT guidelines, specifications, manuals, design bulletins as well as current versions of testing procedures outlined in AASHTO, ASTM and State of Florida Test Methods;
- The indoctrination, training and qualification of technician staff members;
- Implementing the use of approved and current test procedures and maintaining copies of such procedures for reference by technical staff;
- Establishment of a maintenance program for test equipment, including the scheduled calibration of measuring and testing equipment;
- Monitoring the performance of tests by qualified technicians;
- Monitoring the documentation of raw data generated on approved data forms;
- Generating final test reports on approved forms;
- Review of testing results and reports by a Professional Engineer, prior to reports being issued;
- Maintaining records and files of all work performed;
- Training, testing, evaluating the qualifications of, and certifying technicians at their appropriate levels;
- Keeping up-to-date qualification records on all technicians and inspectors.

QA/QC: Deliverables: The foundation of our QA/QC program is to provide senior level review at multiple steps in the project to verify that the appropriate standard of care as well as the appropriate level of completion is being met for that particular stage of the project. Primary objectives of this process are to **eliminate errors** and **miscommunications, ensure consistency** and **accuracy** in deliverables and **provide guidance** throughout the duration of the project. To implement these objectives, all produced work undergoes a five-step review check prior to completion or release of deliverables:

Step 1: The **ORIGINATOR** provides work product and any supporting documentation to the **REVIEWER** for the first phase of the review process.

Step 2: The **REVIEWER** completes the review, indicating items that require correction or elaboration in **red**. Elements reviewed that do not require correction or elaboration is highlighted in **yellow**. The document is then returned to the **ORIGINATOR** for revision and/or verification.

Step 3: The **ORIGINATOR** reviews the comments and indicates concurrence by a red checkmark (✓) and disagreement by ~~striking through~~ the comment in **red**. Any items that are not in concurrence are resolved through the reviewer and originator.

Step 4: The agreed-upon revisions are made to the document, indicated by highlighting the comment in **yellow**. The document is returned to the **REVIEWER** for final review.

Step 5: The **REVIEWER** verifies with a **green** checkmark (✓) that the appropriate changes were made and authorizes the release of the work product.



AVAILABLE FACILITIES

Tierra will manage and perform work under this contract from our corporate office location in Tampa. Tierra's Tampa location is an 11,558 square foot facility that houses office space, a state-of-the-art materials testing laboratory and a full service garage. Our 1,950 square-foot laboratory is staffed with experienced materials testing laboratory managers and technicians and all equipment is maintained and calibrated in accordance with Tierra's Quality Assurance Program. Additionally, Tierra's Tampa location employs full time mechanics who regularly perform maintenance and repairs on all Tierra owned vehicles and equipment.

As previously mentioned, Tierra owns and operates one of the largest and modern geotechnical drilling fleets in the State of Florida. The diversity of our drilling equipment allows Tierra to conduct geotechnical studies in difficult access locations such as wetlands and rough terrain areas. Each drill rig is operated by drillers with an average experience of more than 15 years and supported by helpers that are trained daily in technique, safety and quality.

Tierra is also equipped with **portable tripod drill rigs** and **one (1) barge mounted drill rig**. This equipment is utilized to access difficult areas that have limited space or wet drilling conditions (bayous and canals). All equipment is owned by Tierra and available to support the City's needs. This is especially important when schedules are short and subcontract drillers are too busy to meet the needs of a client.

TECHNOLOGICAL CAPABILITIES

Tierra's in-house CADD Department features designers with 9 to more than 15 years of experience using computer-aided design software. Our staff is experience in electronic signing and sealing of MicroStation Plan Sheets per the Florida Administrative Code and Statute. Tierra has the following CADD and Geotechnical Engineering software:

- *CADD*: Bentley MicroStation V8i & Geopack V8i, AutoCAD Map 3D 2016, AutoCAD Civil 3D 2016
- *Settlement Analysis*: Settle/G & Settle 96, Embank, FOSSA
- *Slope Stability Analysis*: PCSTABL, RSS, ReSSA, Geo5
- *Foundation Analysis*: FB-Deep (Axial Capacity), FB-Pier, FB-MultiPier, LPile, DRIVEN
- *Wall Design and Analysis*: MSEW, SPW 911 & CWALSHT, SNAP-2 & SNAIL
- *Pile Testing and Analysis*: GRLWEAP, TNOWAVE & TNO Signal Matching, CAPWAP, PIT

TAB 6

REFERENCES

1. Business / Customer Name: Jones Edmunds
Name of Contact Person / Title: Doug Young, P.E., Project Manager
Telephone / Fax / Email: 941-358-1440 / 941-358-1431 / dyoung@jonesedmunds.com
Address: 5104 N. Lockwood Ridge Road, Suite 307, Sarasota, Florida 34234
Phone Number: 941-358-1440
Discipline: WTP; Pipeline
Cost: \$4,000.00 (Tierra's cost)
Duration of Contract or Business Relationship: Tierra served as a geotechnical sub-consultant to Jones Edmunds on this project (City of Sarasota AC Water Main Replacement). *Tierra's services on this project were completed in May 2016.* Tierra has worked with Jones Edmunds on various projects since 2006.
Type of Services Provided: Tierra provided subsurface explorations (hand augers and SPT borings), laboratory testing and geotechnical recommendations to support the design. Project included replacement of an existing AC water main between Watergate Drive and to a point just west of Sunset Drive on John Ringling Causeway / North Gulf Stream Avenue. Installation was by open cut and Horizontal Directional Drilling (HDD) methods.
2. Business / Customer Name: AECOM
Name of Contact Person / Title: Bozhidar Handjiev, P.E., Project Manager
Telephone / Fax / Email: 813-636-2177 / 813-286-6587 / bozho.handjiev@aecom.com
Address: 7650 West Courtney Campbell Causeway, Tampa, Florida 33607
Phone Number: 813-636-2177
Discipline: WTP
Cost: \$3,234.00 (Tierra's cost)
Duration of Contract or Business Relationship: Tierra served as a geotechnical sub-consultant to AECOM on this project (Southwest Water Reclamation Facility Tertiary Disk Infiltration System). *Tierra's services on this project were completed in May 2017.* Tierra has worked with AECOM (fka URS) on various projects since 2000.
Type of Services Provided: Tierra provided subsurface explorations (SPT borings), laboratory testing and geotechnical recommendations to support the design. Project included the design of a tertiary disk filtration system at the Southwest Water Reclamation Facility within the City of St. Petersburg, Florida.
3. Business / Customer Name: Wade-Trim
Name of Contact Person / Title: Tom Wilson, P.E., Project Manager
Telephone / Fax / Email: 727-798-8178 / 833-837-0723 / twilson@wadetrim.com
Address: 201 North Franklin Street, Suite 1350, Tampa, Florida 33607
Phone Number: 727-798-8178
Discipline: WWTF; pipeline
Cost: \$8,416.49 (Tierra's cost)
Duration of Contract or Business Relationship: Tierra served as a geotechnical sub-consultant to Wade-Trim on this project (City of Tampa Harbour Island Force Main from Harbour Island Pump Station). *Tierra's services on this project were completed in July 2019.* Tierra has worked with Wade Trim on various projects since 2004.
Type of Services Provided: Tierra provided subsurface explorations (SPT borings), laboratory testing and geotechnical recommendations to support the design. Project included the design of a 12-inch force main from the Harbour Island Pump Station beneath the Garrison Channel just west of Beneficial Drive in Tampa, Florida.

4. Business / Customer Name: Jacobs
Name of Contact Person / Title: Dave Schoster, P.E., Project Manager
Telephone / Fax / Email: 352-284-1863 / 352-284-4834 / dave.schoster@jacobs.com
Address: 643 SW 4th Avenue, Suite 400, Gainesville, Florida 32601
Phone Number: 352-284-1863
Discipline: WTP; hydrogeo
Cost: \$90,910.50 (Tierra's cost)
Duration of Contract or Business Relationship: Tierra served as a geotechnical sub-consultant to Jacobs on this project (City of Tampa David L. Tippin High Service Pump Station). *Tierra's services on this project were completed in November 2019.* Tierra has worked with Jacobs on various project since 2002.
Type of Services Provided: Tierra provided subsurface explorations (hand augers, SPT borings, piezometers), laboratory testing and geotechnical recommendations to support the design. Project included design of a new high service pump station with a new common header, baffling within the existing on-site clear wells and provision for non-chlorinated backwash for the filters. The work was performed at the David L. Tippin Water Treatment Facility in Tampa, Florida.

5. Business / Customer Name: Stantec
Name of Contact Person / Title: Stephen MacEachern, P.E., Project Manager
Telephone / Fax / Email: 941-907-6900 / 941-366-1922 / Stephen.maceachern@stantec.com
Address: 5172 Station Way, Sarasota, Florida 34233
Phone Number: 941-907-6900
Discipline: Potable Reuse
Cost: \$3,491.79 (Tierra's cost)
Duration of Contract or Business Relationship: Tierra served as a geotechnical sub-consultant to Stantec on this project (City of North Port Reclaimed Water Main Phase III). *Tierra's services on this project were completed in September 2015.* Tierra has worked with Stantec on various projects since 2004.
Type of Services Provided: Tierra provided subsurface explorations (SPT borings), laboratory testing and geotechnical recommendations to support the design. Project included the design of a reclaimed pipeline extension along Appomattox Drive from North Port Boulevard to Pan American Boulevard and along Spring Haven Drive from Pan American Boulevard to West Price Boulevard in North Port, Florida.

6. Business / Customer Name: Engineering Design Technologies, Corp.
Name of Contact Person / Title: Bob Hallman, P.E., Project Manager
Telephone / Fax / Email: 813-289-8080 / N/A / bhall@edt1.com
Address: P.O. Box 152403, Tampa, Florida 33684
Phone Number: 813-289-8080
Discipline: WWTF
Cost: \$6,236.87 (Tierra's cost)
Duration of Contract or Business Relationship: Tierra served as a geotechnical sub-consultant to Engineering Design Technologies, Corporation on this project (Howard F. Curren AWTP Standby Power System Improvements Design). *Tierra's services on this project were completed in November 2019.* Tierra has worked with EDT on various projects since 2014.
Type of Services Provided: Tierra provided subsurface explorations (SPT borings), laboratory testing and geotechnical recommendations to support the design. Project included the design of a 2000 KW Caterpillar in a unit enclosure and the installation of two (2) 25,000 gallon, above-ground, diesel fuel storage tanks at the City of Tampa's Howard F. Curren Advanced Wastewater Treatment Plant (AWTP).

7. Business / Customer Name: CPH, Inc.
Name of Contact Person / Title: David Wheeler, P.E., Project Manager
Telephone / Fax / Email: 407-425-0452 / 407-648-1036 / dwheeler@cphcorp.com
Address: 1117 E. Robinson Street, Orlando, Florida 32801
Phone Number: 407-425-0452
Discipline: WTP; pipeline
Cost: \$8,745.00 (Tierra's cost)
Duration of Contract or Business Relationship: Tierra served as a geotechnical sub-consultant to CPH, Inc. on this project (City of Temple Terrace St. Augustine / Live Oaks Water Main Replacement). *Tierra's services on this project were completed in August 2018.* Tierra has worked with CPH on various projects since 2006.
Type of Services Provided: Tierra provided subsurface explorations (SPT borings), laboratory testing and geotechnical recommendations to support the design. Project included the design of approximately 8000 lineal feet on new water mains within a residential area in Temple Terrace, Florida.

The following reference has been provided for Tierra's subconsultant, Hydro-Environmental Associates, Inc. (HEA):

8. Business / Customer Name: Atkins
Name of Contact Person / Title: Thomas Farkas, P.G. (now with Jacobs Engineering)
Telephone / Fax / Email: 813-335-3247 / 813-676-2301 / tfarkas@jacobs.com
Address: 4350 West Cypress Street, Suite 600, Tampa, Florida 33607 (Address is for Jacobs Engineering)
Phone Number: 813-335-3247
Discipline: WWTF; hydrogeo
Cost: \$20,000.00 (HEA's cost)
Duration of Contract or Business Relationship: Hydro-Environmental Associates (HEA) served as a sub-consultant to Atkins on this project (Sarasota County Bee Ridge Exploratory Well Hydrogeological Services). *Project was completed in 2016.*
Type of Services Provided: HEA supervised the installation and testing of a 4,500-foot deep exploratory injection well at the Bee Ridge Road Wastewater Treatment Plant. Duties included conducting packer tests, interpretation of geophysical logs, interpretation of lithologic data, conducting specific capacity test and aquifer pumping tests. HEA was subcontracted by Atkins to assist with the hydrogeological oversight during major drilling activities.

TAB 7
LITIGATION AND
INSURANCE

Tierra has not been involved in litigation in the last five (5) years.

Tierra's policy information for liability insurance is shown below. A sample Certificate of Insurance has been provided in Tab 8 per the RFP instructions.

Commercial General Liability – aggregate limit applies per project

- \$1,000,000 / Each Occurrence; \$2,000,000 / General Aggregate
- \$100,000 Damage to Rented Premises / Each Occurrence
- \$5,000 Medical Expenses / Any One Person
- \$1,000,000 / Personal and Advertising Injury
- \$2,000,000 Products Completed

Automobile Liability – any auto

- \$1,000,000 Combined Single Limit / Each Accident
- \$10,000 Personal Injury Protection

Umbrella Liability – per occurrence

- \$5,000,000 / Each Occurrence
- \$5,000,000 / Aggregate

Workers Compensation and Employer's Liability – per statute

- \$1,000,000 / Each Accident
- \$1,000,000 / Disease – Each Employee
- \$1,000,000 / Disease – Policy Limit

Professional Liability

- \$5,000,000 / Each Occurrence / Aggregate

Tierra's subconsultant, HEA, has indicated that they have not been involved with litigation in the last five (5) years. They maintain a corporate professional and general liability policy with American Safety Risk Retention Group which covers HEA principals, employees, clients for Professional Liability, Bodily Injury and Property Damage, and Personal Injury Liability in the amount of \$1,000,000 / each occurrence and \$2,000,000 / aggregate. American Safety Risk Retention Group is rated "A" by the A.M. Best Rating Service.

TAB 8
ADDITIONAL
INFORMATION

As shown below, and in addition to the projects included in Tab 4 of this submittal, Tierra has had the opportunity to work on a number of projects within and for the City of North Port. A sampling of these projects is as follows:

Tropicaire Boulevard Pavement Coring: Project consisted of milling and resurfacing approximately 6 miles of Tropicaire Boulevard from Van Camp Street to North Toledo Blade Boulevard. Tierra performed thirty-seven (37) pavement core borings at intervals of 500 to 1,000 feet along Tropicaire Boulevard. Hand auger borings were performed to 3 feet below the pavement section to identify the subgrade materials present. A summary report with recommendations was provided. **Tierra's services were performed directly for the City of North Port.**

Tierra's services on the following projects were completed through a prime consultant working directly for the City:

Lazy River Water and Force Main Replacement: Project consisted of preparing construction plans for improvements to the water and force mains located near the Lazy River Community in North Port, Florida. The proposed pipeline replacement was to extend along South Tamiami Trail (US 41) from west of Boardwalk to west of Riverwalk Drive/De Miranda Avenue. A Horizontal Directional Drill (HDD) was proposed for the pipeline installation at one (1) location beneath US 41. To support the design of the HDD, Tierra performed two (2) Standard Penetration Test (SPT) borings to a depth of approximately 30 feet below existing grades.

Pilot Program Areas 28.3 and 28.2: Project consisted of the design of new 4- to 8-inch water mains located within a residential neighborhood off North Salford Boulevard. The water mains were to be constructed through a combination of open cut trench as well as HDD. To support the design, Tierra performed fifteen (15) SPT borings to depths of approximately 15 to 20 feet below existing grades.

Italy Loop Proposed Water Main: Project consisted of an HDD for a new water main to be constructed under an existing drainage channel within the existing right-of-way of Acosta Avenue between New London Street and Adderton Avenue. To support the design of the HDD, Tierra performed two (2) SPT borings to a depth of approximately 30 feet below existing grades.

Additional City of North Port Utility projects in which Tierra has completed geotechnical services include the following:

- Cheseboro Loop Water Main
- South Salford Water Pipeline Replacement
- City of North Port Reclaimed Water Main Phase III
- Cranberry Boulevard over Cocoplum Waterway Watermain Replacement



LICENSES

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FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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SCOTT, KEVIN HUNT
 601 S. ALBANY AVE
 UNIT 4
 TAMPA FL 33606

LICENSE NUMBER: PE65514
 EXPIRATION DATE: FEBRUARY 28, 2021
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Florida

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS

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MOORE, LARRY PAIGE
 8717 HIDDEN GREEN LANE
 TAMPA FL 33647

LICENSE NUMBER: PE47673
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BOARD OF PROFESSIONAL ENGINEERS

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DISTEFANO, JOSEPH H.
 719 N BANNOCKBURN AVENUE
 TEMPLE TERRACE FL 33617

LICENSE NUMBER: PE31939
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ANTINORI, JOSEPH R.
 916 WEST FRIBLEY STREET
 TAMPA FL 33603

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MUSGRAVE, THOMAS E. JR.
 1108 S FREMONT AVENUE
 TAMPA FL 33606

LICENSE NUMBER: PE81669
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ZOELLER, GRAHAM THOMAS
 2313 W NORTH B STREET
 TAMPA FL 33609

LICENSE NUMBER: PE79426
 EXPIRATION DATE: FEBRUARY 28, 2021
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I. AUTHORIZED REPRESENTATIVE
 The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

July 20, 2020

33. NAME AND TITLE

Kevin Scott, P.E., Client/Project Manager, Senior Geotechnical Engineer

TAB 9 REQUIRED FORMS

PROPOSAL SUBMITTAL SIGNATURE FORM

The undersigned attests to his/her authority to submit this proposal and to bind the firm herein named to perform as per Agreement, if the firm is awarded the Agreement by the City.

The undersigned further certifies that he/she has read the Request for Proposal, Terms and Conditions, Insurance Requirements and any other documentation relating to this request and this proposal is submitted with full knowledge and understanding of the requirements and time constraints noted herein.

As addenda are considered binding as if contained in the original specifications, it is critical that the firm acknowledge receipt of same. The submittal may be considered void if receipt of an addendum is not acknowledged.

Addendum No. 1 Dated 7/2/20 Addendum No. _____ Dated _____
Addendum No. 2 Dated 7/10/20 Addendum No. _____ Dated _____
Addendum No. 3 Dated 7/15/20 Addendum No. _____ Dated _____

Company Name Tierra, Inc.

813-989-1354 lmoore@tierraeng.com 813-989-1355
Telephone # E-Mail Fax #

7351 Temple Terrace Highway
Main Office Address

Tampa Florida 33637
City State Zip Code

Address of Office Servicing City of North Port, if different than above: SAME AS ABOVE

Office Address

City State Zip Code

Telephone # E-mail Fax #

Larry Moore, P.E., Vice President
Name & Title of Firm Representative


Signature July 20, 2020
Date

Do you accept Visa? YES NO

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

STATEMENT OF ORGANIZATION
(Information Sheet for Transactions and Conveyances Corporation Identification)

The following information will be provided to the City of North Port for incorporation in legal documents. It is, therefore, vital all information is accurate and complete. Please be certain all spelling, and capitalization is exactly as registered with the state or federal government.

Name of Respondent: Tierra, Inc.

DBA (if any): _____

Type of Entity (Sole Proprietor, Corporation, LLC, LLP, Partnership, etc): Corporation

Business Address: 7351 Temple Terrace Highway, Tampa, Florida 33637

Phone: 813-989-1354 Fax: 813-989-1355

E-Mail lmoore@tierraeng.com

Print Name and Title of person authorized to bind: Larry Moore, P.E., Vice President

Federal Identification Number: 59-3154723

Signature: 

Respondent shall submit proof that it is authorized to do business in the State of Florida unless registration is not required by law.

(Please Check One)

Is this a Florida Corporation: Yes or No

If not a Florida Corporation,

In what state was it created: _____

Name as spelled in that State: _____

What kind of corporation is it: "For Profit" or "Not for Profit"

Is it in good standing: Yes or No

Authorized to transact business
in Florida: Yes or No

State of Florida Department of State Certificate of Authority Document No.: P92000006561

Does it use a registered fictitious name: Yes or No

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

REQUEST FOR PROPOSAL NO. 2020-58
PROFESSIONAL ENGINEERING SERVICES-CONTINUING SERVICES CONTRACTS FOR
CITY OF NORTH PORT UTILITIES DEPARTMENT

Names of Officers:

President: Luis Mahiquez, P.E. Secretary: Manuel Valdes

Vice President: Larry Moore, P.E. Treasurer: Luis Mahiquez, P.E.

Director: Luis Mahiquez, P.E. Director: _____

Other: Henri Jean, P.E. (Vice President) Other: Jeff Begovich, P.E. (Vice President)

Name of Corporation (As used in Florida):

Tierra, Inc.

(Spelled exactly as it is registered with the state or federal government)

Corporate Address:

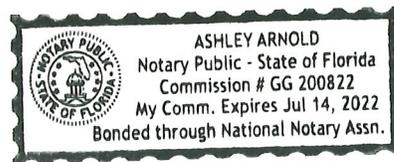
Post Office Box: _____
City, State Zip: _____
Street Address: 7351 Temple Terrace Highway
City, State, Zip: Tampa, Florida 33637

STATE OF FLORIDA
COUNTY OF Hillsborough

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 20
day of July, 2020 by Larry Moore.

Ashley Arnold
Notary Public - State of Florida

Personally Known OR Produced Identification
Type of Identification Produced _____



THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

REFERENCES/CLIENT LISTING

The firm shall provide a minimum of six (6) business related references for which they are currently providing or have provided within the last five (5) years, services similar to the scope of services required by this RFP. Of the six (6) references, please provide at least two (2) references for each of the following two disciplines: potable water treatment and wastewater treatment; and, provide at least one (1) reference for each of the following two disciplines: pipeline design and hydrogeology. If the firm has any indirect or direct potable reuse experience, please provide a reference. Attach additional sheets if necessary.

1. Business/Customer Name: Jones Edmunds
Name of Contact Person/Title: Doug Young, P.E. / Project Manager
Telephone# 941.358.1440 Fax 941.358.1431 E-mail dyoung@jonesedmunds.com
Address 5104 N. Lockwood Ridge Road, Suite 307, Sarasota, Florida 34234
Phone Number 941.358.1440 Discipline: WTP; pipeline
Duration of Contract or business relationship Business Relationship since 2006
Type of Services Provided Geotechnical Engineering and Construction Materials Testing and Inspection
 2. Business/Customer Name: AECOM
Name of Contact Person/Title: Bozhidar Handjiev, P.E. / Project Manager
Telephone# 813.636.2177 Fax 813.286.6587 E-mail bozho.handjiev@aecom.com
Address 7650 W. Courtney Campbell Causeway, Tampa, Florida 33607
Phone Number 813.636.2177 Discipline: WTP
Duration of Contract or business relationship Business Relationship since 2000.
Type of Services Provided Geotechnical Engineering and Construction Materials Testing and Inspection
 3. Business/Customer Name: Wade-Trim
Name of Contact Person/Title: Tom Wilson, P.E. / Project Manager
Telephone# 727.798.8178 Fax 833.837.0723 E-mail twilson@wadetrim.com
Address 201 North Franklin Street, Suite 1350, Tampa, Florida 33607
Phone Number 727.798.8178 Discipline: WWTF; pipeline
Duration of Contract or business relationship Business Relationship since 2004.
Type of Services Provided Geotechnical Engineering and Construction Materials Testing and Inspection
- COMPANY NAME: Tierra, Inc.
SIGNATURE: 

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

4. Business/Customer Name: Jacobs
Name of Contact Person/Title: Dave Schoster, P.E. / Project Manager
Telephone# 352.284.1863 Fax 352.284.4834 E-mail dave.schoster@jacobs.com
Address 643 SW 4th Avenue, Suite 400, Gainesville, Florida 32601
Phone Number 352.284.1863 Discipline: WTP; hydrogeo
Duration of Contract or business relationship Business Relationship since 2002.
Type of Services Provided Geotechnical Engineering and Construction Materials Testing Services

5. Business/Customer Name: Stantec
Name of Contact Person/Title: Stephen MacEachern, P.E. / Project Manager
Telephone# 941.907.6900 Fax 941.366.1922 E-mail stephen.maceachern@stantec.com
Address 5172 Station Way, Sarasota, Florida 34233
Phone Number 941.907.6900 Discipline: potable reuse
Duration of Contract or business relationship Business Relationship since 2004.
Type of Services Provided Geotechnical Engineering and Construction Materials Testing and Inspection

6. Business/Customer Name: Engineering Design Technologies, Corp.
Name of Contact Person/Title: Bob Hallman, P.E. / Project Manager
Telephone# 813.289.8080 Fax N.A. E-mail bhall@edt1.com
Address P.O. Box 152403, Tampa, Florida 33684
Phone Number 813.289.8080 Discipline: WWTF
Duration of Contract or business relationship Business Relationship since 2014.
Type of Services Provided Geotechnical Engineering and Construction Materials Testing and Inspection

COMPANY NAME: Tierra, Inc.

SIGNATURE: 

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DRUG FREE WORKPLACE FORM

The undersigned Consultant in accordance with Florida Statute 287.087 hereby certifies that
Tierra, Inc. does:
(Company Name)

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 under bid 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.

Check one:

- As the person authorized to sign this statement, I certify that this firm complies fully with above requirements.
- As the person authorized to sign this statement, this firm **does not** comply fully with the above requirements.



Offeror's Signature

July 20, 2020

Date

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PUBLIC ENTITY CRIME INFORMATION

As provided by F.S. §287.133, a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a Contractor, Supplier, Subcontractor, or Consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

I, Larry Moore, P.E., being an authorized representative of the Respondent, Tierra, Inc., located at 7351 Temple Terrace Highway City: Tampa State: Florida Zip Code: 33637, have read and understand the contents above. I further certify that Respondent is not disqualified from replying to this solicitation because of F.S. §287.133.

Signature: [Signature] Date: 7/20/20

Telephone #: 813-989-1354 Fax #: 813-989-1355

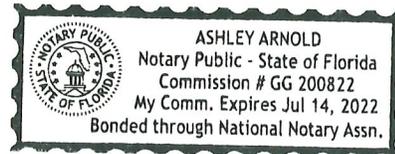
Federal ID #: 59-3154723

STATE OF FLORIDA
COUNTY OF Hillsborough

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 20 day of July, 2020, by Larry Moore.

[Signature]
Notary Public - State of Florida

X Personally Known OR ___ Produced Identification
Type of Identification Produced _____



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NON-COLLUSIVE AFFIDAVIT

Before me, the undersigned authority, personally appeared:

Larry Moore, P.E. who, being first duly sworn, deposes and says that:

1. He/She is the Vice President / Officer (Owner, Partner, Officer, Representative or Agent) of Tierra, Inc., the Respondent that has submitted the attached reply;
2. He/She is fully informed respecting the preparation and contents of the attached reply and of all pertinent circumstances respecting such reply;
3. Such reply is genuine and is not a collusive or sham reply;
4. Neither the said Respondent nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other respondent, firm, or person to submit a collusive or sham reply in connection with the work for which the attached reply has been submitted; or have in any manner, directly or indirectly sought by agreement or collusion, or communication or conference with any respondent, firm, or person to fix the price or prices in the attached reply or of any other respondent, or to fix any overhead, profit, or cost elements of the reply price or the reply price of any other respondent, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the reply work.

Signed, sealed and delivered this 20th day of July, 2020.

By: [Signature]

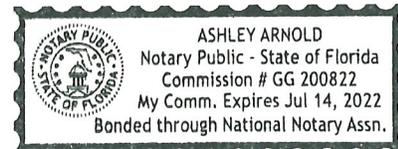
Larry Moore, P.E.
(Printed Name)
Vice President
(Title)

STATE OF FLORIDA
COUNTY OF Hillsborough

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 20 day of July, 2020, by Larry Moore.

[Signature]
Notary Public - State of Florida

Personally Known OR Produced Identification
Type of Identification Produced _____



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REQUEST FOR PROPOSAL NO. 2020-58
PROFESSIONAL ENGINEERING SERVICES-CONTINUING SERVICES CONTRACTS FOR
CITY OF NORTH PORT UTILITIES DEPARTMENT

LOBBYING CERTIFICATION

"The undersigned hereby certifies, to the best of his or her knowledge and belief, that":

STATE OF Florida

COUNTY OF Hillsborough

This 20 day July of 2017 2020 ADA

Larry Moore, P.E., being first duly sworn, deposes and says that he or she is the authorized representative of Tierra, Inc. (Name of the contractor, firm or individual), and that the vendor and any of its agents agree to have no contact or communication with, or discuss any matter related in any way to any active City of North Port solicitation, with any City of North Port elected officials, officers, their appointees or their agents or any other staff or outside individuals working with the city in respect to this request other than the designated Procurement Official Contact and to abide by the restrictions outlined in the General Terms and Conditions of the Solicitation. Technical questions directed to the project manager, is prohibited. These persons shall not be lobbied, either individually or collectively, regarding any questions for bid, proposal, qualification and/or any other solicitations released by the city. To do so is grounds for immediate disqualification from the selection process. The selection process is not considered final until such a time as the Commission has made a final and conclusive determination.

(a) No City appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence either directly or indirectly an officer or employee of the City, City Commission in connection with the awarding of any City Contract.

(b) If any funds other than City appropriated funds have been paid or will be paid to any person for influencing or attempting to influence a member of City Commission or an officer or employee of the City in connection with this contract, the undersigned shall complete and submit Standard Form-L "Disclosure Form to Report Lobbying", in accordance with its instructions.

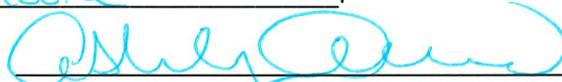
Signed, sealed and delivered this 20 day of July, 2020.

By: 

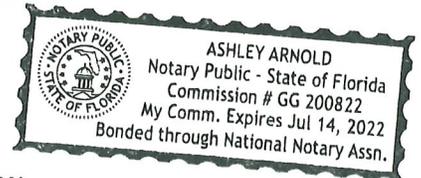
Larry Moore, P.E.
(Printed Name)
Vice President

STATE OF FLORIDA
COUNTY OF Hillsborough

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 20 day of July, 2020, by Larry Moore.


Notary Public - State of Florida

Personally Known OR Produced Identification
Type of Identification Produced _____



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DISCLOSURE FORM
FOR
CONSULTANT/ENGINEER/ARCHITECT

Please select (only) one of the following three options:

Our firm has no actual, potential, or reasonably perceived, **financial*** or **other interest**** in the outcome of the project.

Our firm has a potential or reasonably perceived **financial*** or **other interest**** in the outcome of the project as described here: _____.

Our firm proposes to mitigate the potential or perceived conflict according to the following plan:
_____.

Our firm has an actual **financial*** or **other interest**** in the outcome of the project as described here:
_____.

***What does "financial interest" mean?**

If your firm, or employee of your firm working on the project (or a member of the employee's household), will/may be perceived to receive or lose private income depending on the government business choices based on your firm's findings and recommendations, this must be listed as a financial interest. An example would be ownership in physical assets affected by the government business choices related to this project. The possibility of contracting for further consulting services is not included in this definition and is not prohibited.

****What does "other interest" mean?**

If your firm, or employee of your firm working on the project (or a member of the employee's household), will/may be perceived to have political, legal or any other interests that will affect what goes into your firm's findings and recommendations, or will be/may be perceived to be affected by the government business choices related to this project, this must be listed as another interest.

BUSINESS NAME: Tierra, Inc.

NAME (PERSON AUTHORIZED TO BIND THE COMPANY): Larry Moore, P.E.

SIGNATURE:  DATE: July 20, 2020

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

REQUEST FOR PROPOSAL NO. 2020-58
PROFESSIONAL ENGINEERING SERVICES-CONTINUING SERVICES CONTRACTS FOR
CITY OF NORTH PORT UTILITIES DEPARTMENT

Scrutinized Company Certification Form

Company Name: <u> Tierra, Inc. </u>			
Authorized Representative Name and Title: <u> Larry Moore, P.E., Vice President </u>			
Address: <u> 7351 Temple Terrace Highway </u>	City: <u> Tampa </u>	State: <u> FL </u>	ZIP: <u> 33637 </u>
Phone Number: <u> 813-989-1354 </u>	Email Address: <u> lmoore@tierraeng.com </u>		

A company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a contract with the City of North Port for goods or services of any amount if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Florida Statutes, section 215.4725, or is engaged in a boycott of Israel.

A company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a contract with the City of North Port for goods or services of \$1 million or more if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company is on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Florida Statutes, section 215.473, or with companies engaged in business operations in Cuba or Syria.

CHOOSE ONE OF THE FOLLOWING

- This bid, proposal, contract or contract renewal is for goods or services of less than \$1 million. As the person authorized to sign on behalf of the above-named company, and as required by Florida Statutes, section 287.135(5), I hereby certify that the above-named company is not participating in a boycott of Israel.
- This bid, proposal, contract or contract renewal is for goods or services of \$1 million or more. As the person authorized to sign on behalf of the above-named company, and as required by Florida Statutes, section 287.135(5), I hereby certify that the above-named company is not participating in a boycott of Israel, is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and it does not have business operations in Cuba or Syria.

I understand that pursuant to Florida Statutes, section 287.135, the submission of a false certification may result in the termination of the contract if one is entered into, and may subject the above-named company to civil penalties, attorney's fees and costs.	
Certified By: 	_____
AUTHORIZED REPRESENTATIVE SIGNATURE	
Print Name and Title: <u> Larry Moore, P.E., Vice President </u>	_____
Date Certified: <u> 07/20/2020 </u>	_____

Solicitation/Contract/PO Number (Completed by Purchasing): 2020-58

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END OF PART IV



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

Detail by Entity Name

Florida Profit Corporation
TIERRA, INC.

Filing Information

Document Number	P92000006561
FEI/EIN Number	59-3154723
Date Filed	11/20/1992
State	FL
Status	ACTIVE
Last Event	AMENDMENT
Event Date Filed	05/12/2014
Event Effective Date	NONE

Principal Address

7351 TEMPLE TERRACE HWY.
TAMPA, FL 33637

Changed: 07/15/2008

Mailing Address

7351 TEMPLE TERRACE HWY.
TAMPA, FL 33637

Changed: 07/15/2008

Registered Agent Name & Address

CT CORPORATION SYSTEM
1200 SOUTH PINE ISLAND
PLANTATION, FL 33324

Name Changed: 03/31/2015

Address Changed: 03/31/2015

Officer/Director Detail

Name & Address

Title PTD

MAHIQUEZ, LUIS F
7351 TEMPLE TERRACE HWY.
TAMPA, FL 33637

Title VP

JEAN, HENRI V
7351 TEMPLE TERRACE HWY.
TAMPA, FL 33637

Title VP

MOORE, LAWRENCE P
7351 TEMPLE TERRACE HWY.
TAMPA, FL 33637

Title Secretary

VALDES, MANUEL J
7351 TEMPLE TERRACE HWY.
TAMPA, FL 33637

Title VP

Begovich, Jeffrey HM
7351 TEMPLE TERRACE HWY.
TAMPA, FL 33637

Title CFO

FITZGERALD, EDWARD J
7351 TEMPLE TERRACE HWY.
TAMPA, FL 33637

Annual Reports

Report Year	Filed Date
2018	01/05/2018
2019	01/04/2019
2020	01/06/2020

Document Images

01/06/2020 -- ANNUAL REPORT	View image in PDF format
01/04/2019 -- ANNUAL REPORT	View image in PDF format
06/18/2018 -- Off/Dir Resignation	View image in PDF format
01/05/2018 -- ANNUAL REPORT	View image in PDF format
01/03/2017 -- ANNUAL REPORT	View image in PDF format
02/16/2016 -- ANNUAL REPORT	View image in PDF format
03/27/2015 -- Reg. Agent Change	View image in PDF format
03/16/2015 -- Off/Dir Resignation	View image in PDF format
01/20/2015 -- ANNUAL REPORT	View image in PDF format
06/16/2014 -- Off/Dir Resignation	View image in PDF format
05/12/2014 -- Amendment	View image in PDF format
01/03/2014 -- ANNUAL REPORT	View image in PDF format
01/07/2013 -- ANNUAL REPORT	View image in PDF format

State of Florida

Department of State

I certify from the records of this office that TIERRA, INC. is a corporation organized under the laws of the State of Florida, filed on November 20, 1992.

The document number of this corporation is P92000006561.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on January 6, 2020, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Sixth day of January, 2020*



Ronald R. Lee
Secretary of State

Tracking Number: 5084749110CC

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

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



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
09/20/2019 10:52 AM

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 Professional Insurance Experts 12416 Godfrey Dr. Frisco, TX 75035	CONTACT NAME: Tony Abrudeanu PHONE (A/C No. Ext): 469-777-3025 E-MAIL ADDRESS: tony@proiexp.com	FAX (A/C No): 469-777-3976
	INSURER(S) AFFORDING COVERAGE	
INSURED Hydro-Environmental Associates, Inc. 4806 W Azelee St. Tampa, FL 33609	INSURER A: StarStone Specialty Insurance Company	
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

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

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

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			I85132191AEM	9/23/2019	9/23/2020	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 50,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 5,000
	GEN'L AGGREGATE LIMIT APPLIES PER:							PERSONAL & ADV INJURY
	<input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
A	AUTOMOBILE LIABILITY			I85132191AEM	9/23/2019	9/23/2020	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
	<input type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS					BODILY INJURY (Per accident)	\$
	<input checked="" type="checkbox"/> HIRED AUTOS	<input checked="" type="checkbox"/> NON-OWNED AUTOS					PROPERTY DAMAGE (Per accident)	\$
							\$	
	UMBRELLA LIAB						EACH OCCURRENCE	\$
	EXCESS LIAB						AGGREGATE	\$
								\$
								\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						WC STATU-TORY LIMITS	OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICE/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A				E.L. EACH ACCIDENT	\$
							E.L. DISEASE - EA EMPLOYEE	\$
							E.L. DISEASE - POLICY LIMIT	\$
A	Professional Liability, Errors & Omissions			I85132191AEM	9/23/2019	9/23/2020	\$1,000,000 Per Claim \$2,000,000 Aggregate	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Engineering Services.
Professional Liability coverage is written on a claims-made basis.

CERTIFICATE HOLDER **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 

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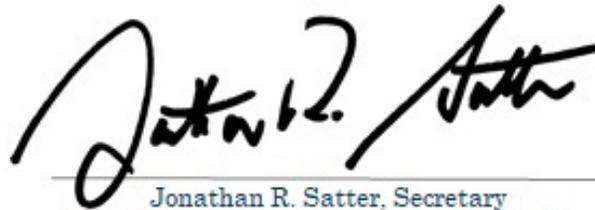
State of Florida

Minority Business Certification

Tierra, Inc.

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:

10/22/2019 to 10/22/2021



Jonathan R. Satter, Secretary
Florida Department of Management Services



Office of Supplier Diversity
4050 Esplanade Way, Suite 380
Tallahassee, FL 32399
850-487-0915
www.dms.myflorida.com/osd