






CITY OF NORTH PORT

RFP No. 2025-12; Professional Utility Engineering Services - Continuing Services Contracts for the City of North Port

APRIL 4, 2025 | 2:00 PM

PROPOSER:

CHA Consulting, Inc.
2502 N Rocky Point Drive, Suite 145
Tampa, FL 33607

PRIMARY CONTACT:

Emily Staubus Williamson, PE, Client Service Manager
T: (813) 819-0565 | F: N/A | E: EWilliamson@chasolutions.com

TABLE OF CONTENTS

TAB 1

TRANSMITTAL LETTER

1. TRANSMITTAL LETTER

APRIL 4, 2025

City of North Port
Mr. Donald "Keith" Raney, Contract Administrator II
Finance Department – Purchasing Division
4970 City Hall Boulevard, Suite 337
North Port, FL 34286

RE: RFP No. 2025-12; Professional Utility Engineering Services - Continuing Services Contracts for the City of North Port

Dear Selection Committee Members:

Thank you for allowing CHA Consulting, Inc. (CHA) this opportunity to provide professional engineering services to the City of North Port. We are eminently qualified and seek your consideration in the following categories: **Category 1 – Water, Wastewater, and Reclaimed Water Treatment and Storage; Category 2 – Water, Wastewater, and Reclaimed Water Conveyance Systems; and Category 3 – Water, Wastewater, and Reclaimed Water Planning.** This statement of qualifications will provide details supporting our credentials. In the Tampa Bay region, CHA has general service agreements (GSAs) with the cities of Clearwater, Dunedin, Largo, New Port Richey, North Port, Plant City, Tampa, and Temple Terrace. We also have GSAs with the counties of Hillsborough and Pinellas, along with GSAs for the Town of Longboat Key and the Withlacoohee Regional Water Supply Authority. Because we've been providing general utility consulting services to our Florida clients for over 40 years, and because any assignment given to CHA will be similar to many other assignments we've successfully completed for other governmental agencies, **we feel confident that the team we are proposing for this contract will exceed your expectations.** Many firms will respond to this opportunity to provide services to the city; therefore, the question becomes, "Why choose CHA?" The answer is simple. We are offering a specific, highly qualified team that has almost **five years of successful service to North Port Utilities** and that has worked together for many years on the types of projects likely to emerge under this contract.

WHY CHA?

- ✓ ***Highly experienced local (Tampa) staff |*** *Our team has over 300 years of combined, applied experience dedicated to this contract.*
- ✓ ***Local Florida experience |*** *Our team members live and work in the Tampa region and understand the local forces underpinning a successful project.*
- ✓ ***Specific Florida regulatory knowledge |*** *The CHA team has long-standing relationships with the FDEP, various Sarasota County departments, the SWFWMD, and the the USACE.*
- ✓ ***Principal-in-charge with extensive public sector experience |*** *Bart's public sector experiences provide an owner's perspective that proactively identifies potential issues to be resolved before problems arise.*

The City of North Port is the third-largest city in Florida, with city limits of approximately 104 square miles and a population of about 95,000, which is rapidly growing. Sarasota Memorial Hospital is constructing a new full-service hospital at the intersection of I-75 and 4900 North Sumter Boulevard, which is expected to drive demand for utility services in that general area of the city. The new hospital is scheduled to open in the fall of 2028. North Port Utilities (NPU) provides potable water, wastewater, and reclaimed water services to its customers.

NPU has two water treatment plants (WTPs) and interconnects with the Peace River Manasota Regional Water Supply Authority (PRMRWSA) and both Sarasota and Charlotte counties. The water use permit (WUP) expires in September 2030 and limits the Myakkahatchee Creek WTP to 4.4 million gallons per day (MGD) on an annual average and 6.0 MGD on a peak-month basis. The Southwest WTP is limited to 2.7 MGD on both the annual average day and peak month basis. There are three water booster pump stations in the system, and total water system storage is 8.25 million gallons (MG). Recently, the city purchased an additional 2.0 MGD of treated water capacity from the PRMRWSA. Their Peace River facility is being expanded by 24.0 MGD with the construction expected to be completed in 2028. During the course of this continuing GSA, the city will not need new water treatment facilities, but normal rehabilitation- and repair-type projects may be assigned at the treatment plants. The water distribution system currently has about 420 miles of water mains; distribution piping projects will likely be required to accommodate anticipated population growth.


Myakkahatchee Creek WTP


Southwest WTP

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NPU also has two wastewater treatment facilities (WWTFs), the Pan American plant, with a rated capacity of 7.0 MGD, and the Southwest plant, with a rated capacity of 1.0 MGD (expandable to 2.0 MGD). Both facilities utilize the Modified Ludzak-Ettinger (MLE) activated sludge process followed by high-level disinfectant, producing a high-quality effluent. Effluent from the facilities can be distributed to 20 miles of the public access reclaimed system or to three Class 1 deep injection wells for ultimate disposal. Biosolids from each facility are dewatered and concentrated for ultimate disposal by a contract private residual management company. Additional wastewater treatment capacity is not needed during this contract period, but typical repair and rehabilitation projects may be assigned. The wastewater collection conveyance system comprises 204 miles of gravity sewers, 98 miles of force mains, and 133 wastewater pumping stations.


Pan American WWTF


Southwest WWTF

NPU is not unique when it comes to financing capital improvement projects (CIPs). Inflation and supply-chain issues have caused construction costs to greatly exceed budgeted funds across the "One Water" industry. In North Port's case, we understand the new Utility Administration building construction costs have necessitated the postponement of some budgeted CIPs; and the city is contributing approximately $7.8 million towards the $84 million widening of Price Boulevard, which is expected to delay construction of wastewater service to Blue Ridge-Salford North area of the city. Efforts are underway to secure alternative funding via a Local Funding Initiative Request submitted to the Florida Senate. **Given the need to supplement NPU's rate payers, CHA stands ready to assist the city in exploring alternative funding options during this project.**

Full-Service Engineering and Science Firm. CHA is an Engineering News-Record (ENR) Top-60 firm with over 2,000 staff located in more than 40 offices company-wide. In Florida, we have seven offices with a total staff that exceeds 250 professional engineers, scientists, and specialists. **We offer comprehensive engineering expertise to maintain your utility infrastructure and safeguard public health and the environment. We bring innovative and best practices to enhance your current operations.** We are a "solutions-based" firm focused on our clients' needs. Any project assigned to us under this contract will be conducted by our Tampa team of engineers, scientists, and specialists located at **2502 N. Rocky Point Drive, Suite 145, Tampa, FL 33607.**

Local, Respected Subconsultants. Several local subconsultants will support the CHA team. These long-term subconsultants were selected based on their qualifications and history of providing high-quality, responsive service to CHA. We will use **ECHO UES, Inc. (ECHO)** for survey and subsurface utility engineering (SUE); **Tierra, Inc. (Tierra)** for geotechnical investigation and engineering; **RESPEC Company, LLC (RESPEC)** for hydrological investigations; **Wekiva Engineering, LLC (Wekiva)** for structural engineering; **EMI Consulting Specialties, Inc. (EMI)** for electrical/I&C; and **The Valerin Group, Inc. (Valerin)** for public outreach.

Non-Collusion Declaration. CHA certifies that this submittal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting an RFP submittal for the same contractual services and is in all respects fair and without collusion or fraud. The undersigned certifies on behalf of CHA that CHA has not employed or retained any company or person, other than bona fide employees working solely for CHA, to solicit or secure any agreement arising from this RFP submittal, and that CHA has not paid or agreed to pay any person, company, corporation, individual, or firm, other than its bona fide employees working solely for CHA, or agreed to pay any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from the award.

Materials and Enclosures. CHA's response includes qualifications of the firm, licenses/certifications, qualifications of the project team/project manager experience, proficiency with similar services/projects, project control/approach, references, litigation and insurance, city-required forms and documents, and additional information.

We greatly appreciate your consideration of CHA's qualifications and experience in providing professional utility engineering services to NPU. **We are committed to working in full partnership with your staff and are ready to listen, understand, and act on your needs.** Should you have any questions, please contact CHA's project manager, Weston Haggen, PE, DBIA, ENV SP, PMP, at (813) 819-0562 (WHaggen@ chasolutions.com) or CHA's client service manager, Emily Staubus Williamson, PE, at (813) 819-0565 (EWilliamson@chasolutions.com).

Sincerely,

CHA Consulting, Inc.

Allen Dethloff, PE
Florida Team Leader

Barton Jones, PE
Principal-in-Charge

Weston Haggen, PE, DBIA, ENV SP, PMP
Project Manager

2502 N Rocky Point Drive, Suite 145, Tampa, FL 33607 | T: (813) 549-0919
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TAB 2

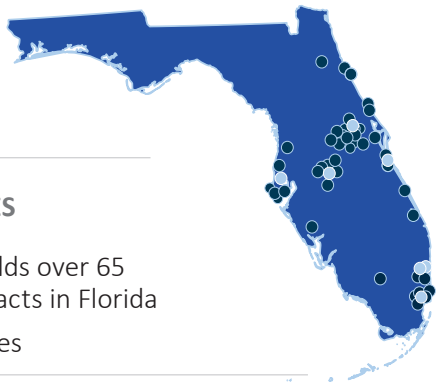
QUALIFICATIONS OF THE CONSULTANT FIRM

2. QUALIFICATIONS OF THE CONSULTANT FIRM

COMPOSITION, ORGANIZATION, AND MANAGEMENT OF THE TEAM

CHA has prepared a team and approach that puts forth the best institutional knowledge and world-class planning, design, and construction management services expertise.

CHA prides itself on being a client service-oriented firm with expertise in municipal water, wastewater, and reclaimed water services, equivalent to those proposed for this continuing services contract. Through experience gained by providing utility engineering services in Florida for over 40 years, CHA has built a reputation for providing responsive service combined with deep technical capabilities. In addition to our reputation as a leading water, wastewater, and reclaimed water design, permitting, and construction management firm, **CHA is a preferred consultant for many municipalities. We currently hold more than 65 continuing on-call contracts with public utilities in Florida for the same types of services proposed for this contract.** Our clients call on us to complete their most challenging and high-profile projects. We encourage the county to contact the references listed in our response to learn more about how we deliver value to our clients. This RFQ lists various services that may be requested under this contract. CHA is well suited to deliver on the services outlined in the scope of work. **From potable water transmission/ distribution and wastewater collection/force main systems to water/wastewater treatment, and everything in between, we have solved challenges and delivered solutions.** With our Florida water acquisitions over the past four years, including A&P Engineering, Eckler Engineering, and Reiss Engineering, our staff is laser-focused on water and wastewater projects in Florida.



FLORIDA'S TRUSTED MUNICIPAL UTILITIES PARTNER

- CHA currently holds over 65 continuing contracts in Florida
- CHA Florida offices

CATEGORY 1 - WATER, WASTEWATER, AND RECLAIMED WATER TREATMENT AND STORAGE SYSTEMS

Because the population is growing rapidly, CHA will bring a fresh perspective for serving North Port's needs and will partner with your staff to execute as-needed services and specific projects within the capital improvement program in a timely and cost-efficient manner. We pride ourselves on developing close working partnerships with utility engineering and operations staff to deliver value-added services our clients need to execute their projects.

CHA understands that the professional services required by the city will vary in scope and complexity, and we recognize the challenges faced concerning the simultaneous management of multiple design and construction efforts. **We have extensive experience in water, wastewater, and reclaimed water treatment and storage facility design and construction management and are staffed to handle projects of any scale.** CHA, within the past five years, has provided design services for the City of Vero Beach's 5.0 MGD Greenfield WRF; Tavistock's Greenfield Sunbridge WTP and WRF; and the City of Haines City's 6.0 MGD WWTP Expansion.

We have also performed many individual unit process improvements at client water and wastewater reclamation facilities under numerous continuing service contracts we hold. Our basic approach to facility design utilizes advanced techniques, such as unit process modeling and 3-D modeling, to identify potential difficulties early in the design process, allowing for revisions or adjustments to be made before schedule and/or budget issues arise. For all projects, we evaluate cost factors and provide value engineering to support informed decision-making.

CHA is well known throughout the State of Florida for its water quality expertise and creativity in the application of advanced treatment technologies for potable water, wastewater, and reclaimed water, making CHA an exceptional value for both large complex projects and routine continuing task authorizations. CHA has also partnered with and assisted in the evaluation and applications for funding assistance to support the design and construction of critical projects.

This related experience will prove to be beneficial to the city under this contract for the maintenance and rehabilitation for your water and wastewater treatment facilities.

CATEGORY 2 - WATER, WASTEWATER, AND RECLAIMED WATER CONVEYANCE SYSTEMS

The CHA team is standing by with a large staff of design engineers contributing over a century of combined experience and is excited to collaborate with the city. CHA staff has designed such infrastructure for water and wastewater systems throughout the state of Florida through continuing contracts mirroring this contract for the city. With a team of utility infrastructure design professionals who possess a wealth of design experience in similar projects, we can comfortably provide the expertise and staff support required to complete any such pipeline, pump station, or booster station designs for the city.

CHA completed the design and construction services of the SR 17 Utility Rehabilitation and Relocation effort for the City of Haines City. That project was completed efficiently and effectively with an aggressive design schedule and facilitated through our FDOT JPA. Water, wastewater, and reclaimed water conveyance system planning, design, permitting, construction administration, and operations are mainstays of CHA's business through the 65+ continuing contracts that we currently hold. For the South Seminole and North Orange County Wastewater Transmission Authority (SSNOCWTA), CHA

serves as the utility operations staff because the authority is a consortium of multiple utilities. We act as first responders and public notice providers in the event of emergencies, such as pump station failures. As such, **we fully understand what it means to serve as an extension of your staff for conveyance system issues.** With respect to potable water, many utilities throughout Florida have been wrestling with compliance for the Stage 2 Disinfection and Disinfection By-products Rule. **CHA has become recognized as a leader in helping utilities address their distribution system water quality issues by utilizing our hydraulic and water quality modeling and unidirectional flushing system design expertise.**

CATEGORY 3 - WATER, WASTEWATER, AND RECLAIMED WATER PLANNING

Until recently, water, wastewater, reclaimed water, and stormwater systems were viewed as essentially independent utilities that could be planned and developed separately. However, it is now widely understood that Florida's continued population growth and commensurate demand for public and non-public uses of its water resources require an integrated planning approach to ensure adequate and sustainable supply for the future. Many Florida utilities have recognized the need for the development of alternatives to continued withdrawal of Florida's previously plentiful fresh groundwater to meet increasing demands. Conservation, reuse of highly treated reclaimed wastewater, and development of surface water sources for public supply are now commonly deployed in an integrated water resource strategy. Integration of the city's wastewater and reclaimed water facilities planning with the region's long-term water supply development needs requires expertise in the three categories of planning, treatment, and conveyance.

CHA has extensive experience and a proven approach to successful utilities planning for water, wastewater, and reclaimed water systems, individually and collectively. CHA has provided water and wastewater master planning and hydraulic modeling services for the City of Melbourne for more than 17 years; growth planning, master planning, and hydraulic modeling for the City of Tampa for over 19 years; hydraulic modeling and water quality improvements for the City of St. Petersburg over the past 20 years; hydraulic and water quality modeling for the City of Clearwater for over 16 years; and wastewater and reclaimed water master planning and water quality improvements for Seminole County for the last 25+ years.

Our approach is scalable to our clients' needs, timelines, and budget. As one of the industry leaders in utility master planning and real-time dynamic modeling, we can also provide the city with the ability to examine the impact of each proposed project on the entire utility system or explore and identify design options before the initiation of final design. **CHA is well-known and respected for its hydraulic modeling experience, a key element of the utilities master planning process.**

This expertise led to CHA being selected by the Central Florida Water Cooperative (St. Cloud, Toho Water Authority, Orange County, Polk County, and Reedy Creek Improvement District) to develop the Cypress Lake Potable Water Transmission, Optimization, and Interconnection Analysis and Conceptual Design.

CHA differentiates itself from other utility master planners by providing detailed extended-period simulations for dynamic hydraulic modeling, water quality modeling, and unidirectional flushing (UDF) modeling and program design services in addition to the traditional growth projection, facilities condition, and regulatory assessment that characterize many utility master plans.

BUSINESS STRUCTURE/RELATIVE SIZE OF THE FIRM

CHA is a Corporation, incorporated in 1952 in New York. CHA employs approximately 2,000 staff company-wide.

ADDRESS/CONTACT PERSON

CHA's primary office to provide services to the City of North Port is located at **2502 N Rocky Point Drive, Suite 145, Tampa, FL 33607.** Emily Staubus Williamson will serve as your client service manager to make sure your needs are met. Weston Haggen will serve as your project manager for all task orders assigned under this contract.

Emily Staubus Williamson, PE, Client Service Manager
T: (813) 819-0565 | F: N/A | E: EWilliamson@chasolutions.com
Website: www.chasolutions.com

Weston Haggen, PE, DBIA, ENV SP, PMP, Project Manager
T: (813) 819-0562 | F: N/A | E: WHaggen@chasolutions.com
Website: www.chasolutions.com

CHA LICENSES/CERTIFICATIONS

State of Florida
Department of State

I certify from the records of this office that CHA CONSULTING, INC. is a New York corporation authorized to transact business in the State of Florida, qualified on November 17, 2008.

The document number of this corporation is F08000004937.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on January 6, 2025, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Sixth day of January, 2025

Secretary of State

Tracking Number: 109547606CC

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

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

Joseph Haber, PG, and David Brown, PG, with RESPEC Company (CHA's hydrology/hydrogeology subconsultant), are Florida-licensed professional geologists under license numbers PG2631 (Joseph) and PG566 (David).

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

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

Professional Utility Engineering Services - Continuing Services Contracts for City of North Port (North Port, FL)

2. PUBLIC NOTICE DATE	3. SOLICITATION OR PROJECT NUMBER
01/31/2025	RFP No. 2025-12

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Allen Dethloff, PE, Florida Project Leader

5. NAME OF FIRM

CHA Consulting, Inc.

6. TELEPHONE NUMBER	7. FAX NUMBER	8. EMAIL ADDRESS
(813) 549-0919	N/A	ADethloff@chasolutions.com

C. PROPOSED TEAM

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

	(Check) PRIME	(Check) JV PARTNER	(Check) SUBCONTRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
a.	X			CHA Consulting, Inc. [X] CHECK IF BRANCH OFFICE	2502 N Rocky Point Drive Suite 145 Tampa, FL 33607	Prime consultant - project management, preliminary and final design, hydraulic modeling, master planning, permitting/ regulatory compliance, construction management, and environmental
b.	X			CHA Consulting, Inc. [X] CHECK IF BRANCH OFFICE	1016 Spring Villas Point Winter Springs, FL 32708	Prime consultant - project management, preliminary and final design, hydraulic modeling, master planning, permitting/ regulatory compliance, construction management, and environmental
c.			X	ECHO UES, Inc. [ ] CHECK IF BRANCH OFFICE	4803 George Road Suite 350 Tampa, FL 33634	Surveying and mapping/SUE
d.			X	EMI Consulting Specialties, Inc. [ ] CHECK IF BRANCH OFFICE	5742 River Bed Road Groveland, FL 34736	Electrical engineering/I&C
e.			X	RESPEC Company, LLC [X] CHECK IF BRANCH OFFICE	6561 Palmer Park Circle Suite D Sarasota, FL 34238	Hydrological investigations
f.			X	Tierra, Inc. [ ] CHECK IF BRANCH OFFICE	7351 Temple Terrace Highway Tampa, FL 33637	Geotechnical engineering
g.			X	The Valerin Group, Inc. [ ] CHECK IF BRANCH OFFICE	3903 Northdale Boulevard Tampa, FL 33624	Public outreach
h.			X	Wekiva Engineering, LLC [ ] CHECK IF BRANCH OFFICE	711 N Orange Avenue Suite A Winter Park, FL 32789	Structural engineering

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: RFP No. 2025-12

PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME: **CHA Consulting, Inc.**	3. YEAR ESTABLISHED: 2011
	4. UNIQUE ENTITY IDENTIFIER: 96-732-2483
2b. STREET: 2502 N Rocky Point Drive, Suite 145	**5. OWNERSHIP**
	a. TYPE: Corporation
2c. CITY: Tampa / 2d. STATE: FL / 2e. ZIP CODE: 33607	b. SMALL BUSINESS STATUS: No
6a. POINT OF CONTACT NAME AND TITLE: Allen Dethloff, PE, Florida Team Leader	7. NAME OF FIRM *(If block 2a is a branch office)*
6b. TELEPHONE NUMBER: (813) 549-0919 / 6c. E-MAIL ADDRESS: ADethloff@chasolutions.com	

8a. FORMER FIRM NAME(S) *(If any)*

Clarkeson Engineering Co., Inc., 1952
Clarkeson, Clough, Yokel, 1966
Clough Associates, 1971
Clough Harbour & Associates LLP, 1990
John Clarkeson, Consulting Eng., 1955
Clarkeson & Clough Associates, 1967
Clough, Harbour & Associates, 1981
CHA, Inc., 2008

8b. YR. ESTABLISHED:

8c. DUNS NUMBER:

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	(2) BRANCH
NA	Airport Engineers	22	1
06	Architects	34	
12	Civil Engineers	125	8
15	Construction Inspector	100	2
21	Electrical Engineers	148	5
23	Environmental Engineer	24	4
24	Environmental Scientist	41	
25	Fire Protection Engineer	26	3
27	Foundation/Geotechnical Engineer	6	
30	Geologist	5	
35	Industrial Engineers	1	
38	Land Surveyor	17	
39	Landscape Architects	16	
42	Mechanical Engineers	127	
52	Sanitary Engineers	11	
54	Security Specialists	6	
57	Structural Engineers	78	
58	Technician/Analyst	170	3
60	Transportation Engineers	153	2
62	Water Resource Engineer	63	3
	Other Employees	751	8
	Total	1,924	39

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

a. Profile Code	b. Experience	c. Revenue Index Number (see below)
A05	Airports; Navaids; Airport Lighting; Aircraft Fueling	6
A06	Airports; Terminals; & Hangers; Freight Handling	6
C15	Construction Management	5
D02	Dams (Earth; Rock); Dikes; Levees	2
E02	Educational Facilities; Classrooms	6
E07	Energy Conservation; New Energy Sources	4
E09	Environmental Impact Studies, Assessments or Statements	5
F03	Fire Protection	9
H04	Heating, Ventilating, Air Conditioning	4
H07	Highways; Streets; Airfield Paving; Parking Lots	8
I06	Irrigation; Drainage	4
L03	Landscape Architecture	4
L06	Lighting (Exteriors; Street; Memorials; Athletic Fields)	3
P06	Planning (Site, Installation and Project)	6
P12	Power Generation, Transmission, Distribution	6
R06	Rehabilitation (Buildings; Structures; Facilities)	6
S04	Sewage Collection, Treatment & Disposal	8
S05	Soils & Geologic Studies; Foundations	3
S07	Solid Wastes; Incineration; Landfill	4
S09	Structural Design; Special Structures	5
S10	Surveying; Platting; Mapping; Flood Plain Studies	5
W03	Water Supply; Treatment and Distribution	8

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

(Insert revenue index number shown at right)

a. Federal Work	6
b. Non-Federal Work	10
c. Total Work	10

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE: Allen W. Dethloff

b. DATE: 4/1/2025

c. NAME AND TITLE: Allen Dethloff, PE, Florida Team Leader

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: RFP No. 2025-12

PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME: **CHA Consulting, Inc.**	3. YEAR ESTABLISHED: 2011
	4. UNIQUE ENTITY IDENTIFIER: 96-732-2483
2b. STREET: 1016 Spring Villas Point	**5. OWNERSHIP**
	a. TYPE: Corporation
2c. CITY: Winter Springs; 2d. STATE: FL; 2e. ZIP CODE: 32708	b. SMALL BUSINESS STATUS: No
6a. POINT OF CONTACT NAME AND TITLE: Allen Dethloff, PE, Florida Team Leader	7. NAME OF FIRM *(If block 2a is a branch office)*
6b. TELEPHONE NUMBER: (407) 679-5358; 6c. E-MAIL ADDRESS: ADethloff@chasolutions.com	

8a. FORMER FIRM NAME(S) *(If any)*	8b. YR. ESTABLISHED	8c. DUNS NUMBER
Clarkeson Engineering Co., Inc., 1952 Clarkeson, Clough, Yokel, 1966 Clough Associates, 1971 Clough Harbour & Associates LLP, 1990 John Clarkeson, Consulting Eng., 1955 Clarkeson & Clough Associates, 1967 Clough, Harbour & Associates, 1981 CHA, Inc., 2008		

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	(2) BRANCH
NA	Airport Engineers	22	
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35	Industrial Engineers	1	
38	Land Surveyor	17	
39	Landscape Architects	16	
42	Mechanical Engineers	127	
52	Sanitary Engineers	11	
54	Security Specialists	6	
57	Structural Engineers	78	1
58	Technician/Analyst	170	
60	Transportation Engineers	153	2
62	Water Resource Engineer	63	3
	Other Employees	751	16
	Total	1,924	37

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a. Profile Code	b. Experience	c. Revenue Index Number (see below)
A05	Airports; Navaids; Airport Lighting; Aircraft Fueling	6
A06	Airports; Terminals; & Hangers; Freight Handling	6
C15	Construction Management	5
D02	Dams (Earth; Rock); Dikes; Levees	2
E02	Educational Facilities; Classrooms	6
E07	Energy Conservation; New Energy Sources	4
E09	Environmental Impact Studies, Assessments or Statements	5
F03	Fire Protection	9
H04	Heating, Ventilating, Air Conditioning	4
H07	Highways; Streets; Airfield Paving; Parking Lots	8
I06	Irrigation; Drainage	4
L03	Landscape Architecture	4
L06	Lighting (Exteriors; Street; Memorials; Athletic Fields)	3
P06	Planning (Site, Installation and Project)	6
P12	Power Generation, Transmission, Distribution	6
R06	Rehabilitation (Buildings; Structures; Facilities)	6
S04	Sewage Collection, Treatment & Disposal	8
S05	Soils & Geologic Studies; Foundations	3
S07	Solid Wastes; Incineration; Landfill	4
S09	Structural Design; Special Structures	5
S10	Surveying; Platting; Mapping; Flood Plain Studies	5
W03	Water Supply; Treatment and Distribution	8

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

(Insert revenue index number shown at right)

a. Federal Work	6
b. Non-Federal Work	10
c. Total Work	10

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE: Allen W. Dethloff

b. DATE: 4/1/2025

c. NAME AND TITLE: Allen Dethloff, PE, Florida Team Leader

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: RFP 2025-12

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (*or Branch Office*) NAME	ECHO UES, Inc.
2b. STREET	4803 George Rd., Suite 350
2c. CITY	Tampa
2d. STATE	FL
2e. ZIP CODE	33634
3. YEAR ESTABLISHED	2017
4. UNIQUE ENTITY IDENTIFIER	MQE9GV4YL924
5. OWNERSHIP a. TYPE	S Corp / Privately Owned
b. SMALL BUSINESS STATUS	
6a. POINT OF CONTACT NAME AND TITLE	Jeraldo Comellas, Jr., PE / President
6b. TELEPHONE NUMBER	727-423-2518
6c. EMAIL ADDRESS	jerry.comellas@echoues.com
7. NAME OF FIRM *(If Block 2a is a Branch Office)*	

8a. FORMER FIRM NAME(S) *(If any)*	8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE

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

a. Function Code	b. Discipline	c. Number of Employees (1) FIRM	c. Number of Employees (2) BRANCH	a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
02	Administrative	7	4	L02	Land Surveying	8
12	Civil Engineers	3	1	T02	Utilities	8
38	Land Surveyors	10	5			
48	Construction Experts/Mgrs/Eng.	1	1			
08	CADD Technicians	16	9			
Other	Field Mgrs & Field Technicians	76	35			
Other	Utility Coordinator	5	2			
Other	Marketing Coordinator	2	2			
	Other Employees					
	Total	120	59			

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

(Insert revenue index number shown at right)

a. Federal Work	7
b. Non-Federal Work	7
c. Total Work	8

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b. DATE: 03/27/2025

c. NAME AND TITLE: Jeraldo Comellas, Jr., PE | President

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any): RFP No. 2025-12

PART II – GENERAL QUALIFICATIONS

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

2a. FIRM *(or branch office)* NAME: EMI Consulting Specialties, Inc.	3. YEAR ESTABLISHED: 1991
	4. DUNS NUMBER: 96-276-6341
2b. STREET: 5742 River Bed Rd	5. OWNERSHIP
	a. TYPE: S-Corporation
2c. CITY: Groveland; 2d. STATE: FL; 2e. ZIP CODE: 34736	b. SMALL BUSINESS STATUS: N/A
6a. POINT OF CONTACT NAME AND TITLE: Willard C. Hoanshelt, President	7. NAME OF FIRM *(if block 2a is a branch office)*: N/A
6b. TELEPHONE NUMBER: 352-460-4035; 6c. E-MAIL ADDRESS: whoanshelt@emicfl.com	
8a. FORMER FIRM NAME(S) (if any)	8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of employees (1) FIRM	c. No. of employees (2) BRANCH
02	Administrative	1	
08	CADD Technician	1	
15	Construction Inspector		
16	Construction Manager		
21	Electrical Engineer	1	
29	GIS Specialist		
37	Interior Designer		
47	Planner: Urban/Regional		
52	Sanitary Engineer		
54	Security Specialist		
58	Technician/Analyst		
60	Transportation Engineer		
62	Water Resources Engineer		
	Other Employees		
	Total	3	

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

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
A04	Air Pollution Control	
A06	Airports; Terminals & Hangers; Freight Handling	
B02	Bridges	
C15	Construction Management	2
D01	Dams; *(Concrete; Arch)*	
D02	Dams; *(Earth; Rock); Dikes; Levees*	
E09	Enviro. Impact Studies, Assessments, or Statements	
E12	Environmental Remediation	
H07	Highways: Streets; Airfield Paving; Parking Lots	
I01	Industrial Buildings; Manufacturing Plants	
P06	Planning *(Site, Installation, and Project)*	
P12	Power Generation, Transmission, Distribution	2
R03	Railroad: Rapid Transit	
R11	Rivers: Canals; Waterways; Flood Control	
S02	Security Systems; Intruder & Smoke Detection	1
S04	Sewage Collection; Treatment and Disposal	2
S07	Solid Wastes; Incineration; Landfill	2
S10	Surveying; Platting; Mapping; Flood Plain Studies	
S13	Storm Water Handling & Facilities	
T02	Testing & Inspection Services	2
T03	Traffic & Transportation Engineering	
W02	Water Resources; Hydrology; Ground Water	
W03	Water Supply; Treatment and Distribution	2

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

(insert revenue index number shown at right)

a. Federal Work	
B. Non-Federal Work	3
c. Total Work	3

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE: 

b. DATE: 3/24/2025

c. NAME AND TITLE: **Willard C. Hoanshelt, President**

ARCHITECT—ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: RFP No. 2025-12

PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME: RESPEC Sarasota	3. YEAR ESTABLISHED: 1969	4. UNIQUE ENTITY IDENTIFIER: U6LZYFKE2GD6
2b. STREET: 6561 Palmer Park Circle, Suite D	5. OWNERSHIP a. TYPE: Corporation	
2c. CITY: Sarasota / 2d. STATE: FL / 2e. ZIP CODE: 34238	b. SMALL BUSINESS STATUS: N/A	
6a. POINT OF CONTACT NAME AND TITLE: Phil Welling, Chief Financial Officer	7. NAME OF FIRM (If Block 2a is a Branch Office): RESPEC Company, LLC	
6b. TELEPHONE NUMBER: 605.394.6400 / 6c. E-MAIL ADDRESS: Phil.Welling@respec.com		
8a. FORMER FIRM NAME(S) (If any): RE/SPEC Inc.	8b. YEAR ESTABLISHED: 1969	8c. UNIQUE ENTITY IDENTIFIER: U6LZYFKE2GD6

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. Number of Employees (1) FIRM	c. Number of Employees (2) BRANCH
01	Acoustical Engineer	1	
02	Administrative	75	2
07	Biologist	6	
08	CADD Technician	15	
10	Chemical Engineer	2	
12	Civil Engineer	101	4
14	Computer Programmer	75	
15	Construction Inspector	7	
16	Construction Manager	2	
19	Ecologist	2	
21	Electrical Engineers	14	
23	Environmental Engineer	16	
24	Environmental Scientist	21	
25	Fire Protection Engineer	1	
27	Geotechnical Engineer	11	
29	Geographic Information Systems Specialist	7	
30	Geologist	45	1
34	Hydrologist	7	2
38	Land Surveyor	6	
42	Mechanical Engineer	38	
43	Mining Engineer	46	
47	Planner, Urban/Regional	5	
48	Project Manager	10	
55	Soils Engineer	1	
57	Structural Engineer	14	
58	Technician / Analyst	52	2
62	Water Resources Engineer	17	
92	Information Technologist	4	
93	Software Engineer	4	
94	Computer Engineer	1	
	Total	**606**	**11**

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

a. Profile Code	b. Experience	c. Revenue Index Number (see below)
A02	Aerila Photography; Airborne Data and Imagery	2
A06	Airports: Terminals and Hangars; Freight	3
A07	Arctic Facilities	6
A12	Automation; Controls; Instrumentation	4
C07	Coastal Engineering	4
C11	Community Facilities	4
C13	Computer Facilities; Services	8
C15	Construction Management	4
C16	Construction Surveying	5
D01	Dams (Concrete)	3
E02	Educational Facilities; Classrooms	4
E07	Energy Conservation; New Energy Sources	5
E12	Environmental Remediation	5
G02	Gas Systems (Propane, Natural, etc.)	6
G04	GIS Service and Data Collection	5
H04	Heating; Ventilating; Air Conditioning	5
H07	Highways; Streets; Airfield Paving; Parking Lots	5
H09	Hospitals and Medical Facilities	4
L05	Lighting (Interior and Exterior)	2
M05	Military Design Standards	3
M06	Mining and Minerology	7
P05	Planning (Community, Regional Areawide, State)	5
S05	Soils and Geologic Studies	6
S07	Solid Waste; Incineration; Landfill	6
S09	Structural Design; Special Structures	3
S10	Surveying; Platting; Mapping; Floodplain Mapping	5
S13	Storm Water Handling & Facilities	3
T02	Testing and Inspection Services	4
U03	Utilities (Gas and Steam)	4
W02	Water Resources; Hydrology	7
W03	Water Supply; Treatment and Distribution	6

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

(Insert revenue index number shown at right)

a. Federal Work	8
b. Non-Federal Work	10
c. Total Work	**10**

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE: 

b. DATE: 1/1/2025

c. NAME AND TITLE: Philip Welling, CFO

ARCHITECT ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: RFP No. 2025-12

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME	3. YEAR ESTABLISHED	4. DUNS NUMBER
Tierra, Inc.	**1992**	**794753707**

2b. STREET	5. OWNERSHIP
591 Susan B. Britt Court	a. TYPE: **Corporation**
2c. CITY: **Winter Garden** / 2d. STATE: **FL** / 2e. ZIP CODE: **34787**	b. SMALL BUSINESS STATUS
6a. POINT OF CONTACT NAME AND TITLE: **Jeffrey Begovich, P.E., Vice President**	7. NAME OF FIRM *(If block 2a is a branch office)*
6b. TELEPHONE NUMBER: **(407) 877-1354** / 6c. E-MAIL ADDRESS: **jbegovich@tierraeng.com**	

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

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH
2	Administrative	20	4
8	CADD Technician	3	
15	Construction Inspector	59	39
24	Environmental Scientist	5	
27	Foundation/Geotechnical Eng	32	11
58	Technician	68	21
	Other (Engineering Interns)	12	2
	Total	**199**	**77**

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

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
S05	Soils & Geologic Studies: Foundations	7
T02	Testing and Inspection Services	6

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

(Insert revenue index number shown at right)

a. Federal Work	
b. Non-Federal Work	8
c. Total Work	8

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE	b. DATE
	March 18, 2025

c. NAME AND TITLE: **Jeffrey Begovich, P.E., Vice President**

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: 2025-12

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (*or Branch Office*) NAME: The Valerin Group, Inc.	3. YEAR ESTABLISHED: 2006
	4. UNIQUE ENTITY IDENTIFIER: 800240355
2b. STREET: 3903 Northdale Boulevard, Suite 100E	5. OWNERSHIP
2c. CITY: Tampa; 2d. STATE: FL; 2e. ZIP CODE: 33624	a. TYPE: S-Corporation
6a. POINT OF CONTACT NAME AND TITLE: Valerie Ciudad-Real, President | CEO	b. SMALL BUSINESS STATUS: DBE (UCP) | WMBE (OSD)
6b. TELEPHONE NUMBER: (813) 751-0478; 6c. E-MAIL ADDRESS: valeriec@valerin-group.com	7. NAME OF FIRM *(If Block 2a is a Branch Office)*: N/A

8a. FORMER FIRM NAME(S) *(If any)*	8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER
N/A		

9. EMPLOYEES BY DISCIPLINE

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

a. Function Code	b. Discipline	c. Number of Employees (1) FIRM	c. Number of Employees (2) BRANCH	a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
Other	Public Involvement/Outreach	**27**	**19**	Other	Public Involvement/Outreach	6
Total		**27**	**19**			

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

(Insert revenue index number shown at right)

a. Federal Work	
b. Non-Federal Work	6
c. Total Work	**6**

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE: Valerie Ciudad-Real

b. DATE: March 25, 2025

c. NAME AND TITLE: Valerie Ciudad-Real, President | CEO

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: 2025-12

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME: Wekiva Engineering, LLC	3. YEAR ESTABLISHED: 2016
	4. DUNS NUMBER: 009899161
2b. STREET: 1320 Wilfred Drive	5. OWNERSHIP
2c. CITY: Orlando	a. TYPE: LLC
2d. STATE: FL	b. SMALL BUSINESS STATUS: None
2e. ZIP CODE: 32803	
6a. POINT OF CONTACT NAME AND TITLE: John Sobczak, Member	7. NAME OF FIRM *(If block 2a is a branch office)*
6b. TELEPHONE NUMBER: 407.219.4454	6c. E-MAIL ADDRESS: john@wekivaengineering.com

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

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH
57	Structural Engineering	5	
	Other Employees		
	Total	5	

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

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
4	Sewage Collection Treatment	4
3	Water Supply	4

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

(Insert revenue index number shown at right)

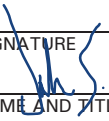
a. Federal Work	1
b. Non-Federal Work	5
c. Total Work	5

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,00 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE: 

b. DATE: 03/25/2025

c. NAME AND TITLE: John Sobczak, Member

TAB 3

QUALIFICATIONS OF THE PROJECT TEAM/PROJECT MANAGER EXPERIENCE

3. QUALIFICATIONS OF THE PROJECT TEAM/PROJECT MANAGER EXPERIENCE

ORGANIZATIONAL CHART

Our team has been built to provide the City of North Port with an extraordinary blend of engineering expertise, Florida project history, and personalized service. Our proposed project manager, Weston Haggen, PE, DBIA, ENV SP, PMP, will be the city's direct day-to-day contact. Weston has assigned the most qualified project team for the scope of services identified in your RFP. Each of our team members was specifically selected to assist in successfully completing all unique challenges and project needs for the duration of the contract.

LEGEND:

CHA Consulting (Prime) [1]
ECHO UES, Inc. [2]
EMI Consulting Specialties, Inc. [3]
RESPEC Company, LLC [4]
The Valerin Group, Inc. [5]
Tierra, Inc. [6]
Wekiva Engineering, LLC [7]
🔑 = Key Personnel/Task Lead

CITY OF NORTH PORT

CLIENT SERVICE MANAGER
Emily Staubus Williamson, PE [1] 🔑

FLORIDA TEAM LEADER
Allen Dethloff, PE [1] 🔑

PRINCIPAL-IN-CHARGE
Barton Jones, PE [1] 🔑

PROJECT MANAGER
Weston Haggen, PE, DBIA, ENV SP, PMP [1] 🔑

QUALITY MANAGER
J. Richard "Rich" Voorhees, PE, BCEE [1] 🔑

WATER TREATMENT FACILITIES
Chandra Mysore, PhD, PE, BCEE [1] 🔑
Ian Grabo, EI [1]
Boya Wang, PhD, PE [1]
Scott Hoxworth, PE [1]

WASTEWATER TREATMENT FACILITIES
Jim Hagerty, PE [1] 🔑
Mark Worsham, PE [1]
Eric Knoppel, EI [1]
James "Jay" Sanders, PE [1]

WATER/WASTEWATER/RECLAIMED CONVEYANCE SYSTEMS
Emily Staubus Williamson, PE [1] 🔑
Stefano Ceriana, PE, LEED AP [1]
Ian Grabo, EI [1]

REGULATORY COMPLIANCE/FUNDING ASSISTANCE/PERMITTING
Joseph Graham, MBA, JD, PE [1] 🔑
Pamela Kerns, EI [1]
Garven Dabady, PE [1]

MASTER PLANNING & HYDRAULIC MODELING
Edward Talton, PE [1] 🔑
Parsa Pezeshk, PhD, PE [1]
Hannah Kapalo, EI, ENV SP [1]
Chad Meisel, PE [1]

SEWER ASSESSMENT & REHABILITATION (SAR)
Mark Lambert, PE [1] 🔑
Ian Grabo, EI [1]
Philip Stansly, EI [1]

ENVIRONMENTAL
Jason Hignite [1] 🔑
Lindsay Rose [1]
Leann Wishah, EI [1]

CONSTRUCTION-PHASE SERVICES
Scott Hoxworth, PE [1] 🔑
Kerry Wulff, CBC [1]
Jeffrey Robitaille [1]
Charles Warren [1]

STRUCTURAL ENGINEERING
Carl Erickson, PE [1] 🔑
Adrian Alfonso, PE [1]
John Sobczak, PE [7]

ELECTRICAL ENGINEERING/I&C
David Shook, PE [1] 🔑
Eduardo Martinez, PE [1]
Willard "Pete" Hoanshelt, PE [3]

HYDROLOGY/HYDROGEOLOGY
Joseph Haber, PG [4] 🔑
David Brown, PG [4]

SURVEY/SUE
Mike Patterson, PSM [2]
Jeraldo Comellas, PE [2]

GEOTECHNICAL ENGINEERING
Ken Symonds, PE [6]
Jeremy Sewell, PE [6]

PUBLIC OUTREACH
Valerie Ciudad-Real [5]
Tiffani McClain [5]

In-House Key Technical Resources

165	108	135	36	66	79	133	27
Water/Wastewater	Civil	Electrical	Environmental	Mechanical	Structural	Transportation	Architecture

SENIOR LEADERSHIP

The success of any project is based not only on the development of practical, efficient solutions, but also in making sure the process by which the work is completed is defensible, transparent, and understandable at all levels of stakeholders. As such, having senior leadership managing projects under this contract is critical, with that leadership leveraging the use of individual experts in their respective areas.

KEY STAFF

Our key staff members have been assigned their roles based on their experience relative to the anticipated needs of the City of North Port on this contract. CHA currently has more than 2,000 employees company-wide (with over 250 in Florida), and based on our current backlog, we have sufficient available capacity to successfully perform any project anticipated under this continuing services contract for the City of North Port. Complete resumes for all key staff and subconsultants are provided in SF 330 Part I, Section E.

PROJECT MANAGER

WESTON HAGGEN, PE, DBIA, ENV SP, PMP

Project Manager

Education: University of Central Florida, FL, M.S.E., Civil Engineering; University of Central Florida, FL, B.S.E., Civil Engineering ***| Years of Experience:*** 16 ***| Registrations & Certifications:*** Professional Engineer - FL; FDOT, MOT Advanced; NASSCO PACP/MACP/LACP Certification; Design-Build Professional Certification; Envision Sustainability Professional Certification; Project Management Professional Certification

Weston has over 16 years of experience in water, wastewater, and reclaimed water. He is a 2022 graduate of the Water Environment Federation's Water Leadership Institute that focuses on holistic solutions to our "one water world" challenges. His expertise includes water quality hydraulic modeling, master planning, pipeline design, lift station design, potable water quality improvement, unidirectional flushing (UDF), I&I studies, construction administration, preliminary design of wastewater and water plants, regulatory permitting, water treatment pilot studies, feasibility studies, report writing, and data management, including GIS for a variety of municipal and government projects in water and wastewater treatment. **Weston will oversee the execution of all projects under this continuing contract, providing for technical quality, budget adherence, and schedule compliance while coordinating with the city, stakeholders, and project teams.** Representative project experience includes:

- City of North Port, FL, Water Main Looping 2021
- City of Clearwater, FL, Water and Reclaimed Water Program Management
- City of Clearwater, FL, Wastewater Collection System Program Management
- SSNOCWTA, Seminole & Orange Counties, FL, Extension of Staff Services
- Pinellas County, FL, Continuing Utility Engineering Services Contract
- City of Casselberry, FL, Seminola Master Pump Station Relocation and Force Main Replacement
- SSNOCWTA, Seminole County, FL, Eagle Circle Force Main Replacement
- Hillsborough County, FL, Delwood Super Station Design-Build
- Seminole County, FL, Wekiva Septic-to-Sewer Conversion
- Orange County Utilities, FL, Wekiwa Springs Septic Tank Retrofit Phases 1 and 2

Benefits to City of North Port:

- ✓ Extensive project management experience
- ✓ Leadership in water, wastewater, and reclaimed water solutions
- ✓ Comprehensive technical expertise
- ✓ Regulatory and compliance expertise
- ✓ Strong project oversight
- ✓ Effective stakeholder coordination
- ✓ Familiarity with the City of North Port
- ✓ Experience in multiple construction delivery methods

TEAM MEMBER RESUMES

Emily Staubus Williamson, PE
Client Service Manager

Education: B.S.E., Civil Engineering **| Years of Experience:** 9 **| Registrations & Certifications:** Professional Engineer - FL

Emily is an engineer with over nine years of experience in planning, permitting, design, and construction for potable water, wastewater, and reclaimed water projects throughout Florida. She has contributed to various projects, including septic-to-sewer, pipeline design, pump station design, hydraulic modeling, infrastructure condition assessment, and asset management.

Allen Dethloff, PE
Florida Team Leader

Education: B.S., Civil Engineering, Construction Management **| Years of Experience:** 23 **| Registrations & Certifications:** Professional Engineer - FL

Allen has over 23 years of experience in civil and process mechanical engineering, permitting, and construction management. He specializes in design, permitting, bidding, and construction administration for pipelines (including trenchless technologies), sanitary sewer systems, pumping stations, water and wastewater facility improvements, chemical feed systems, and stormwater management.

Barton Jones, PE
Principal-in-Charge

Education: M.B.A., Business Administration; Undergraduate Studies in Civil and Environmental Engineering **| Years of Experience:** 50+ **| Registrations & Certifications:** Professional Engineer - IA

Bart has extensive experience spanning over 50 years in environmental engineering, having worked on treatment facilities, transmission and distribution systems, storage and pumping facilities, management programs, regulatory compliance, and construction management. He has served as a senior project manager and client services manager for many of the nation's larger cities, such as Louisville, KY; Indianapolis, IN; and Columbus, OH. Bart currently leads the business development efforts for CHA throughout Tampa and the West Florida region and is a corporate-wide technical resource for our project teams.

Rich Voorhees, PE, BCEE
Quality Manager

Education: M.S., Civil/Environmental Engineering B.S., Civil Engineering **| Years of Experience:** 49 **| Registrations & Certifications:** Professional Engineer - FL; Board-Certified Environmental Engineer

Rich, a Board Certified Environmental Engineer, has over 49 years of experience in water and wastewater treatment and pumping facilities. Recognized in Florida for expertise in biological nutrient removal and enhanced lime softening, he has managed multi-million-dollar projects and has prior experience as a general contractor.

Chandra Mysore, PhD, PE, BCEE
Water Treatment Facilities Lead

Education: Ph.D. & M.S., Environmental Engineering; M.S., Water Resources & Reuse; B.E., Civil Engineering **| Years of Experience:** 35 **| Registrations & Certifications:** Professional Engineer - GA, LA; Board Certified Environmental Engineer

Dr. Chandra Mysore is an engineering management professional with over 35 years of experience in the environmental sector, serving both private and public clients. He has developed innovative solutions for municipal and industrial water/wastewater treatment, direct and indirect potable reuse, and desalination. He has led projects worldwide in business development, planning, piloting, design, construction, O&M, and commissioning of large treatment plants. Additionally, he has served as a technical advisor and principal investigator for studies on key contaminants, including PFAS and emerging technologies.

Ian Grabo, EI
Water Treatment Facilities/Water, Wastewater, Reclaimed Conveyance Systems/SAR

Education: M.S. & B.S., Environmental Engineering **| Years of Experience:** 3 **| Registrations & Certifications:** Engineer Intern - FL

Ian has three years of experience in environmental engineering, focusing on state permitting, pipeline/lift station design, infrastructure management, capital projects, and system modeling. He is skilled in water/wastewater modeling, data management, and field sampling.

TEAM MEMBER RESUMES (CONTINUED)

Boya Wang, PhD, PE
Water Treatment Facilities

Education: Ph.D. & M.S., Civil Engineering; B.S., Building Environment & Energy Engineering **| Years of Experience:** 9 **| Registrations & Certifications:** Professional Engineer - FL

Boya has over nine years of research and work experience in environmental engineering, specializing in water treatment and wastewater reclamation.

Scott Hoxworth, PE
Water Treatment Facilities/ Construction-Phase Services Lead

Education: M.S. & B.S., Environmental Engineering **| Years of Experience:** 27 **| Registrations & Certifications:** Professional Engineer - FL

Scott has 27 years of experience in water, wastewater, and reclaimed water fields. His expertise encompasses the design, construction, startup, and operation of water and WWTFs; water, wastewater, and reclaimed water pipelines; stormwater systems; and pump/lift stations. Scott also has expertise in pilot-scale membrane water treatment systems and pilot-scale and full-scale groundwater remediation systems, solid waste with landfill closure design, construction oversight, and permitting.

Jim Hagerty, PE
Wastewater Treatment Facilities Lead

Education: M.E. & B.S., Civil Engineering **| Years of Experience:** 40 **| Registrations & Certifications:** Professional Engineer - FL, KY, MO, IL

Jim, a civil and environmental engineer with 40 years of experience, specializes in facility planning and strategic execution for water, wastewater, and stormwater utilities. His expertise includes program management, regulatory compliance, infrastructure development, and alternative delivery. He has extensive wastewater treatment experience, optimizing process designs for biological treatment, sludge processing, and effluent disposal. His work includes facility expansion planning, construction, value engineering, and technical reviews, with expertise in advanced treatment, filtration, digestion, sludge pelletizing, lime treatment, and dewatering.

Mark Worsham, PE
Wastewater Treatment Facilities

Education: B.S., Civil Engineering; B.S., Agricultural Engineering **| Years of Experience:** 40 **| Registrations & Certifications:** Professional Engineer - FL, VA

Mark has over 40 years of experience in utility and building construction, project management, and municipal, industrial, and government projects. He specializes in construction management, inspections, testing, and commissioning of building, mechanical, electrical, and control systems. He has designed well, water treatment, pumping, chemical feed, and distribution systems and has overseen operations for over 130 water supply systems and multiple wastewater systems, including pump replacements, treatment modifications, and regulatory compliance.

Eric Knoppel, EI
Wastewater Treatment Facilities

Education: M.S. & B.S., Environmental Engineering **| Years of Experience:** 8 **| Registrations & Certifications:** Engineer Intern - FL

Eric is a project engineer with experience concentrated in water resources engineering and environmental studies. His expertise includes hydraulic modeling, field work, process design, report development, data management, and construction services for various municipal and government projects in water and wastewater treatment.

Jay Sanders, PE
Wastewater Treatment Facilities

Education: B.S., Chemical Engineering, Minor in Environmental Engineering **| Years of Experience:** 22 **| Registrations & Certifications:** Professional Engineer - SC; Professional Land Surveyor - SC

Jay specializes in water and wastewater treatment, pump stations, and utility infrastructure, with experience in design, construction management, and field inspections. He has worked on municipal and industrial projects, including pump station design, sewer rehabilitation, and process engineering. His expertise includes system assessments, hydraulic analysis, and regulatory compliance.

TEAM MEMBER RESUMES (CONTINUED)

Stefano Ceriana, PE, LEED AP

Water, Wastewater, Reclaimed Conveyance Systems

Education: M.S., Environmental Engineering; B.S., Civil Engineering **| Years of Experience:** 25 **| Registrations & Certifications:** Professional Engineer - FL; LEED® Accredited Professional; FDOT Certification Transportation Approved Temporary Traffic Control (TTC) Intermediate (No. 41174)

Stefano is a project manager with over 25 years of experience in water and wastewater utility projects. He specializes in pipeline and lift station design, project management, utility system planning, permitting, CAD, GIS, resident project representation, and hydraulic modeling.

Joseph Graham, MBA, JD, PE

Regulatory Compliance/Funding Assistance/Permitting Lead

Education: J.D., Law; M.B.A., Business Administration; M.S., Public Health; M.S., Civil & Environmental Engineering; B.S., Chemical Engineering **| Years of Experience:** 17 **| Registrations & Certifications:** Professional Engineer - FL

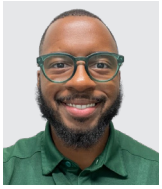
Joe has over 17 years of experience in permitting, engineering design, project management, and strategic planning for water, wastewater, and reclaimed water projects. He specializes in horizontal asset design, master planning, and utilities strategy. Joe has worked as a technical representative for a multi-agency water cooperative and is skilled in public infrastructure financing, including federal and state funding, asset valuation, and budgeting.

Pamela Kerns, EI

Regulatory Compliance/Funding Assistance/Permitting

Education: B.S., Environmental Engineering; A.S., Engineering Science **| Years of Experience:** 14 **| Registrations & Certifications:** Engineer Intern - MD

Pamela is a project engineer with 14 years of experience in water/wastewater treatment, stormwater, and pump station design. She specializes in hydraulics, cost estimation, and permitting, with expertise in wastewater applications and design calculations.



Garven Dabady, PE

Regulatory Compliance/Funding Assistance/Permitting

Education: B.S., Chemical Engineering **| Years of Experience:** 5 **| Registrations & Certifications:** Professional Engineer - FL

Garven has five years of experience as a project engineer in the water industry, focusing on wastewater collection system modeling, pump station remediation, and issue resolution. He has prepared project memos, cost estimates, and supported process engineers in the semiconductor industry.

Edward Talton, PE

Master Planning & Hydraulic Modeling Lead

Education: M.S. & B.S., Environmental Engineering; Hydraulic Surge Modeling Training **| Years of Experience:** 36 **| Registrations & Certifications:** Professional Engineer - FL

Ed has over 36 years of experience in master planning and hydraulic/water quality modeling, with expertise in water quality modeling, wastewater model calibrations, and asset prioritization. He has completed major projects for utilities like M-D WASD, Orange County, and the cities of Tampa and St. Petersburg. Ed's work includes a published article on SCADA utilization and extensive experience in optimizing distribution operations and creating comprehensive master plans.

Parsa Pezeshk, PhD, PE

Master Planning & Hydraulic Modeling

Education: Ph.D. & M.S., Environmental Engineering; B.S., Applied Chemistry **| Years of Experience:** 8 **| Registrations & Certifications:** Professional Engineer - FL, SC

Parsa has over eight years of experience in the environmental engineering field, working primarily on hydraulic and wastewater treatment process modeling. He has specific expertise in model calibration, water quality modeling, and significant system master planning. Parsa has completed major master planning and modeling projects for Polk County, the cities of Vero Beach, Clearwater, and Haines City, as well as the Town of Dundee.

TEAM MEMBER RESUMES (CONTINUED)

Hannah Kapalo, EI, ENV SP

Master Planning & Hydraulic Modeling

Education: B.S., Environmental Engineering **| Years of Experience:** 3 **| Registrations & Certifications:** Engineering Intern - FL; Envision Sustainability Professional

Hannah has three years of experience in the environmental engineering field, working primarily on the hydraulic modeling of reclaimed and potable water systems.

Chad Meisel, PE

Master Planning & Hydraulic Modeling

Education: B.S., Civil Engineering; B.S., Environmental Engineering **| Years of Experience:** 11 **| Registrations & Certifications:** Professional Engineer - FL

Chad is a project engineer with over 11 years of experience in water/wastewater treatment, water resources, and stormwater permitting. He has performed report development, hydraulic modeling, bidding services, and water permit compliance for various municipal clients in the Central Florida region. Chad is also proficient in AutoCAD and ICPR.

Mark Lambert, PE

Sewer Assessment & Rehabilitation (SAR) Lead

Education: M.S. & B.S., Civil Engineering **| Years of Experience:** 34 **| Registrations & Certifications:** Professional Engineer - FL, NC, SC, VA, TN

Mark has over 34 years of experience in sewer system evaluation studies and flow monitoring. Throughout his extensive tenure in the industry, Mark has led numerous projects encompassing the assessment, planning, and design of water and sewer systems for municipalities of varying sizes. His expertise in SSES has been instrumental in identifying and addressing issues such as I&I, ensuring the optimal performance and longevity of infrastructure. Mark's proficiency in flow monitoring techniques has enabled him to accurately assess system capacity and identify areas for improvement, ultimately enhancing the overall effectiveness of water and sewer networks.

Philip Stansly, EI

Sewer Assessment & Rehabilitation (SAR)

Education: M.S., Civil Engineering; B.S., Biological Engineering **| Years of Experience:** 5 **| Registrations & Certifications:** Engineer Intern - FL

Philip is an engineer with over five years of experience in water and wastewater utility projects. He has worked on various projects for SSNOCWTA, including monthly odor checks, ARV maintenance, pump station inspections, lift station drawdowns, and extension of staff services. Philip's duties have involved assessing odor levels, coordinating ARV cleanings, inspecting pump stations, measuring flow volumes, and overseeing repairs and installations. He has also coordinated with contractors and authority members to address issues and ensure smooth operations.

Jason Hignite

Environmental Lead

Education: M.A., Natural Resources and Environmental Management; B.G.S., Liberal Arts **| Years of Experience:** 32 **| Registrations & Certifications:** Certified Environmental Consultant- INDOT; FHA

Jason has more than 32 years of professional experience in environmental planning and regulatory compliance in the United States Navy and as a civilian consultant. He has completed environmental projects throughout the United States. Jason's planning and policy experience includes a variety of private and public clients, including various airports, state DOTs, the Department of Defense (DOD), the Federal Communications Commission (FCC), the U.S. Department of Housing and Urban Development (HUD), and the U.S. Postal Service (USPS).

Lindsay Rose

Environmental Scientist

Education: B.S., Environmental Studies **| Years of Experience:** 10 **| Registrations & Certifications:** EPA Asbestos Building Inspector

Lindsay is an environmental scientist with over 10 years of expertise in document control and environmental site assessments. She specializes in managing critical environmental data to ensure regulatory compliance and support informed decision-making.

TEAM MEMBER RESUMES (CONTINUED)

Leann Wishah, EI
Environmental Engineer

Education: B.S., Environmental Engineering **| Years of Experience:** 4 **| Registrations & Certifications:** Engineer Intern - FL

Leann has four years of experience in various water and wastewater projects, including developing a remediation plan for a septic-to-sewer conversion project in Seminole County, Upper Floridan Aquifer Well design and modeling for Haines City, and wastewater hydraulic modeling and master planning for Polk County and Toho Water Authority. Leann also leads several Lead and Copper Rule Projects throughout the State of Florida.

Kerry Wulff, CBC
Construction-Phase Services

Education: B.S., Engineering Technology; A.S., Mechanical Engineering **| Years of Experience:** 37 **| Registrations & Certifications:** Certified Building Contractor - FL; OSHA-certified

Kerry has over 37 years of experience serving as an RPR and construction manager for utility projects ranging from pipeline installations to constructing complex water/wastewater treatment facilities, including design-build projects up to $100 million in cost. He specializes in the analysis, design, and layout of water and wastewater treatment facilities, collection systems, distribution systems, and associated infrastructure. Kerry is familiar with requirements related to alternative/governmental funding protocols (state revolving fund [SRF], cooperative funding and permitting processes). He is also a certified building contractor and is OSHA 30-hour certified.

Jeffrey Robitaille
Inspector

Years of Experience: 3 **| Registrations & Certifications:** 30-hour OSHA Hazard Recognition Training for the Construction Industry

Jeff is a CEI inspector in the field, working hand-in-hand with contractors and engineers to monitor compliance with contract documents.

Charles Warren
Inspector

Years of Experience: 12 **| Registrations & Certifications:** AWS Professional Development (40 Hours); NEC Level 2 Burg Technician; PEC Safety Certification; Polyethylene Pipe certification F2620; Veriforce OQ Certified in Line Locates; Damage Prevention of Excavating and Backfill; Locate Buried Facilities; ROW Observation

Charles has over 12 years of experience in construction and inspection, working as an owner's representative to ensure compliance with contract documents. He has supervised and inspected over 100 miles of pipeline projects for major oil companies in the southwestern United States. Charles is skilled in pipeline crossings, excavation oversight, NDT and hydrostatic pressure testing, HDD, weld and pipe coating integrity, and Hydro-Vac and ROW clearing. He prioritizes safety on job sites and communicates with owners, contractors, engineers, and permitting agencies.

Carl Erickson, PE
Lead Structural Engineer

Education: M.S. & B.S., Civil & Environmental Engineering **| Years of Experience:** 15 **| Registrations & Certifications:** Professional Engineer - DE, FL, IL, IN, NY; Structural Engineer - IL

Carl has 15 years of professional experience as a principal engineer. His experience includes designing comprehensive structural systems, reinforced concrete, masonry, structural steel, and structural aluminum design. Carl is adept in leading teams and managing budgets, as well as project specifications, cost estimation, quality control, and construction support.

Adrian Alfonso, PE
Structural Engineer

Education: B.S., Civil Engineering **| Years of Experience:** 13 **| Registrations & Certifications:** Professional Engineer - FL

Adrian has over 13 years of experience designing bridges, retaining walls, and miscellaneous structures. He has worked with various agencies and is skilled in multiple design softwares. Adrian is dedicated to making sure that projects are completed on time, within budget, and to the satisfaction of all stakeholders.

TEAM MEMBER RESUMES (CONTINUED)

John Sobczak, PE (Wekiva)
Structural Engineer

Education: M.S., Structural Engineering; B.S., Mechanical Engineering **| Years of Experience:** 19 **| Registrations & Certifications:** Professional Engineer - FL

John has 19 years of experience working in the water/wastewater industry. His experience encompasses structural and structural/geotechnical engineering and focuses on inspecting, analyzing, modeling, and designing environmental and municipal structures. John is also experienced in many computer-aided design (CAD) software such as RISA, Robot, Visual Slope, and Revit.

David Shook, PE
Lead Electrical/I&C Engineer

Education: B.S., Electronic Engineering Technology **| Years of Experience:** 31 **| Registrations & Certifications:** Professional Engineer - IN, ND, NY, OH, PA, TX, VA, WV

David brings over 31 years of electrical engineering experience, including low- and medium-voltage systems, switchgear and substations, motor control centers (MCCs), generators, uninterruptible power systems, power distribution, lighting, and control systems. David's leadership experience includes leading electrical departments and projects and is well-versed in various styles of project delivery models.

Eduardo Martinez, PE
Electrical/I&C Engineer

Education: B.S., Civil Engineering **| Years of Experience:** 43 **| Registrations & Certifications:** Professional Engineer - FL

Eduardo has more than 42 years of experience in the electrical engineering field. His experience ranges in the electrical/lighting design of roadways, lift station facilities, WWTPs, cogeneration facilities, commercial, industrial, health care, shopping centers, and condominiums. As part of his experience, Eduardo has worked as the EOR on projects such as total new lighting for the SR 826/SR 836 Interchange, M-D WASD North District WWTP, M-D WASD South Dade WWTP, and a lift station with emergency generator design for Miami-Dade County and the City of Miami.

Pete Hoanshelt, PE (EMI)
Electrical/I&C Engineer

Education: B.S., Electrical Engineering **| Years of Experience:** 40+ **| Registrations & Certifications:** Professional Engineer - FL

Pete is highly qualified in electrical and instrumentation control engineering, with specific water and wastewater industry expertise. He is qualified to engineer and design electrical power distribution and lighting systems for low- and medium-voltage systems. Pete's expertise in electrical machines and variable speed drivers provides the basis for his energy management studies. His expertise in instrumentation and controls includes computer-based data acquisition systems, programmable logic controls, analog loop and discrete conventional control systems, and flow and analytical meter evaluation/selection.

Joseph Haber, PG (RESPEC)
Hydrology/Hydrogeology Lead

Education: M.S., Hydrogeology; BS, Environmental Science and Policy **| Years of Experience:** 25 **| Registrations & Certifications:** Professional Geologist - FL

Joe has over 25 years of experience in Florida Hydrogeology, Hydrology, Geochemistry, GIS, and groundwater flow modeling. He specializes in Water Use Permitting, compliance, well and wellfield design, water quality analysis, brackish wellfield management, aquifer performance testing, and geophysical logging. Joseph is currently a Water Resources Manager at RESPEC.

David Brown, PG (RESPEC)
Hydrology/Hydrogeology

Education: B.S., Geology **| Years of Experience:** 41 **| Registrations & Certifications:** Professional Geologist - FL

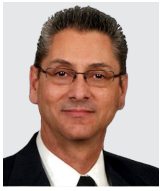
David is RESPEC's National Practice Lead in Hydrogeology with over 41 years of experience in the Southeast United States. He has extensive expertise in permitting, well design, groundwater modeling, and geophysical investigations, and has provided expert witness testimony in over 50 legal proceedings. David has worked extensively in Southwest Florida and DeSoto County, designing and overseeing the construction and testing of production and monitoring wells, as well as rehabilitating Class V UIC wells.

TEAM MEMBER RESUMES (CONTINUED)

Mike Patterson, PSM (ECHO)
Survey/SUE

Education: B.S., Surveying **| Years of Experience:** 24 **| Registrations & Certifications:** Professional Surveyor and Mapper - FL

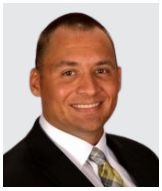
Mike has over 24 years of experience in surveying, mapping, and subsurface utility engineering (SUE) for transportation projects in Florida. He began as a survey technician and now oversees large SUE contracts for FDOT D7 & D1. Mike will serve as a senior surveyor on this contract, providing oversight and ensuring efficiency and quality throughout the project.



Jerry Comellas, PE (ECHO)
Survey/SUE

Education: B.S., Civil Engineering **| Years of Experience:** 39 **| Registrations & Certifications:** Professional Engineer - FL, LA, MS

Jerry is the President of ECHO, with 39 years of civil engineering and survey experience. He has been instrumental in expanding ECHO's subsurface utility engineering (SUE) and surveying services, leveraging his extensive background with the Florida Department of Transportation (FDOT) and the private sector. Jerry makes sure that client needs and deadlines are met, and he oversees staff, assets, and financial resources. He will serve as the SUE lead on this contract, supporting scope and estimate development, financial oversight, and providing for adequate equipment and staff availability.



Ken Symonds, PE (Tierra)
Senior Geotechnical Engineer

Education: B.S., Environmental Engineering **| Years of Experience:** 25 **| Registrations & Certifications:** Professional Engineer - FL

Ken has over 25 years of experience in geotechnical studies for various projects, including roadway and bridge design, commercial development, schools, hospitals, and residential projects. He specializes in foundation analyses, sinkhole studies, liquefaction analyses, surcharge programs, stone columns, augercast piles, pavement studies, and transmission design projects. Ken also has extensive experience with Cross-Hole Sonic Logging (CSL) for clients such as FDOT, Florida's Turnpike Enterprise (FTE), and CFX.

Jeremy Sewell, PE (Tierra)
Senior Geotechnical Engineer

Education: B.S., Civil Engineering/Geotechnical Engineering **| Years of Experience:** 24 **| Registrations & Certifications:** Professional Engineer - FL

Jeremy is a senior geotechnical engineering with over 24 years of experience on projects including roadway reconstruction/improvements, utility projects, and more.

Valerie Ciudad-Real (Valerin)
Public Outreach

Education: High School Diploma and Some College Coursework **| Years of Experience:** 33

Valerie has over 33 years of experience in developing and implementing public participation programs, communication plans, and safety campaign initiatives for public sector clients, including expressway authorities, municipalities, and counties like the City of St. Petersburg. She also leads Valerin's QA/QC program, ensuring the team performs to the highest standards for their clients.

Tiffani McClain (Valerin)
Public Outreach

Education: B.A., Communications **| Years of Experience:** 17 **| Registrations & Certifications:** ADA Compliance Certificate

Tiffani has 17 years of experience in marketing, public relations, community outreach, and social media management. She has developed and implemented strategic communication plans for both private and public-sector clients, including digital and social media, community engagement, and outreach. Tiffani supports community and stakeholder communications through survey initiatives and develops social media content tailored to clients' platforms. She also collaborates with clients to manage communications logistics, including audience and demographic research, subscription and contact data, and event/social media calendars.

MANAGEMENT OF SUBCONSULTANTS

The CHA team is proud to be able to offer a diverse set of expertise in the types of specialty design disciplines that will enable us to work efficiently and help meet the city's schedules and budgets. Subconsultants will be assigned work based on the needs of each individual project, the required disciplines, and workload/availability. They will be required to adhere to CHA's Project Management Plan (PMP) and Quality Control Plan and their assignments will be tracked in our program management software, along with CHA's tasks, as a single project management system. **It is our goal that our entire team operates as a cohesive unit and that services and deliverables will be seamless in quality and presentation, such that there is no perceived difference in work products generated by CHA or its subconsultants.**

ECHO UES, Inc. (ECHO) | Role: Surveying and Mapping/SUE - ECHO, a minority-owned small business founded in 2017, specializes in subsurface utility engineering (SUE) and surveying and mapping services across Florida. With over 65 employees and 22 field crews, ECHO provides accurate utility and survey data to enhance infrastructure design, construction, and maintenance. In 2021, ECHO expanded to offer utility coordination services. Using advanced technology such as ground-penetrating radar, GPS, and laser scanners, ECHO delivers precise 3D digital site representations. The company supports various projects, including utility design, transportation, industrial upgrades, and safety improvements, ensuring reliable above- and below-ground data for infrastructure development.

EMI Consulting Specialties, Inc. (EMI) | Role: Electrical/I&C - EMI specializes in power, lighting, control, and instrumentation system design for central Florida municipal water and wastewater utilities, serving over 30 public and industrial clients. The firm combines expertise in electrical, power, and control systems to deliver cost-effective and efficient designs. Led by Principal Willard "Pete" Hoanshelt, PE, who has extensive experience in electrical and instrumentation control engineering, EMI excels in designing electrical power distribution and lighting systems for low- and medium-voltage applications. EMI's expertise also includes PLCs, data acquisition systems, and flow/analytical meter evaluation. Additionally, EMI has contributed electrical and instrumentation services to numerous treatment facility projects as part of CHA's team in Florida.

RESPEC Company, LLC (RESPEC) | Role: Hyrdology/Hydrogeology - RESPEC is an engineering and hydrogeological firm based in Rapid City, South Dakota, with three offices in southwest Florida: Lutz, Sarasota, and Fort Myers. RESPEC's Florida hydrogeologists, including David Brown, PG, and Joe Haber, PG, have 41 and 25 years of water resource experience, respectively. The firm's Florida water resource professionals possess decades of expertise in various aspects of groundwater resource development and management in southwest Florida. They provide a broad range of technical, scientific, and regulatory support services to assist public- and private-sector clients with their water resource needs. RESPEC's Florida professionals specialize in water demand projections, water conservation, surface water and reclaimed water source evaluation, groundwater resource development, applied hydrogeology, wellfield design, water resource regulations, and integrated water resource applications.

The Valerin Group, Inc. (Valerin) | Role: Public Outreach - Valerin is a certified Small Business Enterprise (SBE) specializing in public involvement, community engagement, marketing, multimedia, and bilingual translation services. With a team boasting over 430 years of combined experience, Valerin has worked on more than 600 public utility and transportation projects for state agencies, municipalities, and counties. The firm has led public engagement efforts for major projects, such as Pinellas County's South Cross Bayou New Headworks and Grit Removal Facility design-build project and the City of Tampa's Lower Peninsula Stormwater Improvements project. Valerin's work has earned industry recognition, including the Florida Transportation Builders' Association Award for Outstanding Community Awareness and the Tampa Bay "PRestigious" Award for Community Relations.

Tierra, Inc. (Tierra) | Role: Geotechnical Engineering - Tierra is a full-service geotechnical, environmental, and construction materials testing firm, providing services such as test borings, monitoring well installation, engineering analysis, and laboratory soils testing. A Florida Statewide Certified Minority Business Enterprise (MBE), Tierra has been operating since 1992 with offices in Tampa, Winter Garden, and Pensacola. With nearly 200 professionals, including highly experienced engineers and certified technicians, Tierra serves public and private clients across a wide range of projects, from airports and highways to sinkhole remediation and foundation studies.

Wekiva Engineering, LLC (Wekiva) | Role: Structural Engineering - Wekiva provides structural engineering services for water and wastewater facilities, solid waste facilities, and commercial buildings across the southeastern U.S. With extensive experience, Wekiva delivers cost-effective, innovative solutions while ensuring compliance with design and building codes. The firm collaborates closely with contractors, offering value engineering insights throughout a project's lifecycle. As a small, local company, Wekiva provides quick, high-quality services to municipalities and communities.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Emily Staubus Williamson, PE	**Client Service Manager and Water/ Wastewater/Reclaimed Conveyance Systems Lead**	9	7

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Tampa, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S.E., Civil Engineering	Professional Engineer - FL

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

American Water Works Association

19. RELEVANT PROJECTS

a.

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

Water and Reclaimed Water Program Management
Clearwater, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for developing a system-wide potable water and reclaimed water main assessment and replacement program. This program included conceptual routing, design, permitting, and construction services for pipeline improvements that kept with the big-picture goal of renewing critical infrastructure and assessing and replacing methods to minimize impacts to service and critical roadways. This program has included the design and construction oversight for the replacement of over 28,000 feet of potable and reclaimed water main replacements ranging from 4 inches to 20 inches in diameter.

b.

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

Ernie Caldwell Boulevard (ECB) Reclaimed Water Main Improvements Phase 1
Polk County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2020	2020

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the preliminary and final design, permitting, bidding, and construction administration services to complete a reclaimed water main loop in the Ernie Caldwell Boulevard and US Highway 17/92 corridors. The project installed 10,300 feet of 20-inch reclaimed water main. The project included considering a future alignment of a 20-inch potable water main and 16- to 20-inch wastewater force main that will parallel the reclaimed water main.

c.

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

Force Main Condition Assessment, Keystone Avenue to Klosterman Road East | Pinellas County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2018	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer to evaluate the condition of approximately 30,525 feet of 30-inch ductile iron force main, which transfers flow to the William E. Dunn Water Reclamation Facility between Keystone Road and Klosterman Road. Force main deficiencies identified in the county's inspection included corrosion on the exterior of the force main; air release valve pipe saddles, piping, and bodies; isolation valves; and interior of the air release valve vault. CHA compared existing information to new field survey data, ground-penetrating radar, and SUE data combined with visual exterior examination and thickness measurements using UTT.

d.

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

Collection System Pump Station 357 and Force Main Improvements
Pinellas County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2019	2021

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the hydraulic analysis, design, permitting, bidding, and construction services to disconnect the force main connection from pump station 357 and pump station 448, install new force mains connecting each pump station to the downstream larger force main, and design the necessary pump station upgrades to allow pump station 357 and the system to operate as intended.

e.

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

Wekiwa Springs Septic to Sewer Tank Retrofit Phase 1 and 2
Orange County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2021	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for CHA for the multi-phased gravity sewer system infrastructure improvements for Phases 1 and 2 of the Wekiwa Springs Septic Tank Retrofit project, which includes 367 parcels across 4 subdivisions. The project includes the construction of 22,600 feet of an 8-inch gravity sanitary sewer collection system, two duplex pump stations (35-45 HP), 5,500 feet of 6- to-8-inch force main, and 4.3 miles of existing roadway reconstruction in an existing residential community. This project included the proper demolition of 367 individual on-site septic tank systems and house lateral connections to the gravity sewer system for existing single-family residential properties. The project also included 4,400 feet of 4- and 8-inch potable water mains and 367 water services with double water meter boxes.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Allen Dethloff, PE	**Florida Team Leader**	23	8

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Tampa, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Civil Engineering and Construction Management	Professional Engineer - FL

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

Florida Water Environment Association

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Delwood Super Station Design-Build
Hillsborough County, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2019
CONSTRUCTION *(if applicable)*: 2019

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Senior project engineer for this design-build project that involved the design and construction of a 10 MGD dual wet well, triplex diversion pump station and demolition and repurposing of the existing Dale Mabry WWTP as part of the overall Northwest Consolidation Project. Additionally, the project included the design and construction of a reclaimed water low-profile cascade aerator and dechlorination for surface water discharge to Brushy Creek. This design includes a 3,000 scfm odor control unit, six submersible pumps, a dual wet well, a cascade aerator, a chemical feed system, site layout, and hydraulic analysis.

b.

(1) TITLE AND LOCATION *(City and State)*
Tampa Bay Water, Brandon Booster Station
Hillsborough County, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2024
CONSTRUCTION *(if applicable)*: 2024

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager for the design, permitting, and construction administration for this project that is being implemented via the construction manager at risk (CMAR) delivery method. The project includes a new (greenfield) 20 MGD potable water booster pumping station that is comprised of a new ~6,000 square foot masonry building, five 250-HP centrifugal pumps (and associated gear, including variable frequency drives [VFDs], etc.), approximately 1,400 feet of 30-inch diameter suction/discharge piping, surge relief appurtenances, a stormwater management system, and general site improvements, including landscaping. The project also includes improvements at two other locations, including modifications to a pressure-reducing valve upstream of the pump station, replacing a nearby well pump (and associated equipment), and modifying a point of connection to a customer downstream of the pump station.

c.

(1) TITLE AND LOCATION *(City and State)*
6.0 MGD WWTP Expansion
Haines City, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager for the design, permitting, and construction-phase services for the city's WWTP expansion project that includes a new headworks structure with new screening and grit removal equipment; converting two existing oxidations ditches to an EQ basin; new 6.0 MGD five-stage biological treatment system; RAS/WAS pumping capacity improvements; rehabilitating/replacing existing gas chlorination feed equipment and monitoring equipment; solids handling improvements; civil, site, and stormwater upgrades to support the new process and systems; a hazardous waste assessment for demolishing the existing headworks; and electrical/SCADA system upgrades.

d.

(1) TITLE AND LOCATION *(City and State)*
Water and Reclaimed Water Program Management
Clearwater, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*: N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Technical director for system-wide potable water and reclaimed water main assessment and replacement program. This program includes the conceptual routing, design, permitting, and construction services for pipeline improvements and assessing and replacing methods to minimize service and critical roadways impacts.

e.

(1) TITLE AND LOCATION *(City and State)*
Reclaimed Water GST and Pump Station
Haines City, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2023
CONSTRUCTION *(if applicable)*: 2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager for the preliminary design, hydraulic analysis, final design, permitting, and construction administration services for a 7.8 MGD transfer pump station with VFDs and a concrete wet well, a 3-MG prestressed concrete GST, a new 4.5 MGD reclaimed high-service pump station with VFDs, an off-site 1.1 MGD booster pump station, yard piping, electrical, I&C, and ancillary structures at the Haines City WWTF.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Barton Jones, PE	**Principal-in-Charge**	50+	6

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Tampa, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
M.B.A., Business Administration Undergraduate Studies in Civil and Environmental Engineering	Professional Engineer - IA

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

American Water Works Association, Life Member, Water Environment Federation (WEF) Life Member, WEF Fellow, Past Chair of the WEF's Technical Practice Committee responsible for developing and publishing manuals of practice and special publications, WEF's Past Chair of the Committee Leadership Council, the management umbrella for all 37 technical committees

19. RELEVANT PROJECTS

a.

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

Public Sector Experience
Dubuque, IA

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
1985	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Director of utilities (water and wastewater) responsible for 16% of the city's staff and operational budget along with 26% of the city's Capital Improvement Budget. Before that, Bart served as the assistant chief engineer for Spartanburg, SC Water Works with a 56 MGD surface WTP and approximately 2,800 miles of water transmission and distribution pipelines. The Water Works served a population of 275,000 over 857 square miles.

b.

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

Prestressed Concrete Raw Water Pipe Cleaning
DeKalb County, GA

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
1976	1977

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Lead project engineer for cleaning approximately 3 miles of 42-inch diameter prestressed concrete raw water pipe; this required the design of new launch facilities at the raw water pump station and the insertion of a new prestressed concrete tee at the WTP. Given the demand from the distribution system, elevated storage provided an 8-hour window for the tee insertion. No Hazen-Williams C factors were determined at the conclusion of the project.

c.

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

Biosolids Handling Facility Design-Build
Louisville and Jefferson County, KY

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
1996	2000

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Owner's project manager for a new 120 MGD biosolids handling facility to be delivered by the design-build-operate system. Prepared 30% complete preliminary design drawings and specifications for anaerobic digesters, followed by gravity thickeners and belt presses. This project included a complete design-build package through a revised procurement process. The effort was successful and resulted in a new Class A pelletized product which MSD provided to the city departments and sold to the public.

d.

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

Water Transmission and Distribution Design | DeKalb County, GA; Clayton County, GA; Macon-Bibb County, GA; Gainesville, GA; Savannah, GA; and Spartanburg, SC

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
1964-1979	1979

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Lead project engineer for the design of over 600 miles of water transmission and distribution lines ranging from 4-to 54-inch diameter utilizing cast iron, ductile iron, steel, and prestressed concrete materials.

e.

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

Wastewater Collection Systems and Pump Station | DeKalb County, GA; Clayton County, GA; Gainesville, GA; Forsyth, GA; and Savannah, GA

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
1964-1979	1979

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Lead project engineer for wastewater collection systems and pump stations ranging from 8-to 42-inch diameter pipelines and 0.5 to 60.0 MGD pump stations.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Weston Haggen, PE, DBIA, ENV SP, PMP	**Project Manager**	16	16

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Tampa, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
M.S.E., Civil Engineering B.S.E., Civil Engineering	Professional Engineer - FL Design-Build Professional Certification No. D-3301 FDOT, MOT Advanced, No. 41689 NASSCO PACP/MACP/LACP Certification No. 07004925 Envision Sustainability Professional, Certification No. 39259 Project Management Professional Certification

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

OSHA 10-hour Construction Program, American Water Works Association, Water Environment Federation, Florida Water Environment Association

19. RELEVANT PROJECTS

a.

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

Water and Reclaimed Water Program Management
Clearwater, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Program manager for the system-wide potable and reclaimed water main assessment and replacement program. This program includes the conceptual routing, design, permitting, and construction services for pipeline improvements and assessing replacement methods to minimize service and critical roadways impacts. This program additionally includes condition assessment, hydraulic modeling, and RPR services.

b.

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

Wastewater Collection Sanitary Program
Clearwater, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager for CHA for the city's six-year sanitary program. The total program has allocated over $19 million for the professional services associated with the program. The program includes design, permitting, bidding, and construction oversight for point repairs and CIP repairs. The program also oversees the city's six continuing contractors, including a contractor for point repair, CCTV, manhole lining, gravity pipe lining, flow monitoring, and dying testing. The program also includes capital projects, such as sanitary sewer replacement, manhole replacement, lift station rehabilitation and replacement, septic-to-sewer projects, and other projects outlined in the city's master plan.

c.

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

Seminola Master Pump Station Relocation and Force Main Replacement
Casselberry, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2022	2022

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager for the preliminary and final design, permitting, bidding, construction inspection, and construction administration services for a new triplex master pump station and to up-size an existing 10-inch C-200 PVC force main to a 16-inch PVC and HDPE force main. The master pump station relocation included demolishing the existing lift station, except for the existing wet well. The new lift station included a new triplex lift station with submersible pumps, pump guide rails, single wet well, liner, access hatches, discharge piping, electrical and controls, emergency generator, miscellaneous piping and appurtenances, new access drive, fencing, and landscaping. The force main replacement consisted of 4,619 feet of 16-inch force main consisting of 590 feet of jack-and-bore within a 30-inch steel casing, 2,777 feet of HDD, and 1,252 feet of open-cut connecting the city's largest pump station to the city's WRF and an alternative connection with valving to the City of Orlando's Iron Bridge WRF.

d.

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

Delwood Super Station Design-Build
Hillsborough County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2019	2019

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager for this design-build of a 10 MGD dual wet well, triplex diversion pump station and demolition and repurposing of the existing Dale Mabry WWTP as part of the overall Northwest Consolidation Project. The project included designing and constructing a 3,000 scfm odor control unit, six submersible pumps, a dual wet well, a cascade aerator, a chemical feed system, site layout, and hydraulic analysis.

e.

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

North Tampa Water Improvements Morris Bridge Pump Station
Tampa, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2018	2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager for design and bidding services to improve the potable water pump station to stabilize pressures in the North Tampa Service Area. The boosting operation was selected to increase operational flexibility and reduce power consumption, as it is best suited for providing the required pressure throughout the distribution system. This selection saved thousands in upfront capital and electrical costs with the booster pump. The improvements included a 5 MGD booster pump station, ground storage tank inlet flow meter and control valve replacement, high-service pump valve and actuator replacements, yard piping modifications, a 42-inch butterfly valve with motorized actuator, electrical/supervisory control and data acquisition upgrades, and a 4,000 ampere rated switchboard.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
J. Richard "Rich" Voorhees, PE, BCEE	**Quality Manager**	49	8

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Winter Springs, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
M.S., Civil/Environmental Engineering B.S., Civil Engineering	Professional Engineer - FL Board-certified Environmental Engineer

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

Life Member - Chi Epsilon Civil Engineering Honorary Fraternity, American Society of Civil Engineers, Water Environment Federation, American Water Works Association, Florida Select Society of Sanitary Sludge Shovelers

19. RELEVANT PROJECTS

a.

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

Preliminary Design of Reclaimed Water Improvements
Haines City, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2020	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Senior project engineer to perform the storage and pumping alternatives analysis to provide evaluation and preliminary design of an expansion to the city's reclaimed water storage and pumping infrastructure. The infrastructure included a reclaimed water storage tank, a low-pressure reuse transfer pump station, a high-pressure reuse pump station, telemetry controls, and other appurtenances to supply existing reuse customers and to enable future expansions to the city's reuse system. Assisted in obtaining 75% cooperative funding from the SWFWMD for the design and construction of this project.

b.

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

WWTF Nutrient Management Study
Vero Beach, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2019	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

QA/QC for this project that involved data collection, influent flow, loading characterization, evaluating influent and biological unit process loadings, developing process modeling, evaluating alternatives for improving nutrient removal with no additional tankage, BioWin process modeling software and calibration, and plant operations review and analysis.

c.

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

Seminola Master Pump Station Relocation
Casselberry, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2021	2021

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

QA/QC for this project that involved preliminary and final design, permitting, bidding, and limited construction services for a new triplex master pump station. The master pump station relocation included the complete demolition of the existing lift station, with the exception of the existing wet well. The new lift station included a new triplex lift station with submersible pumps, pump guide rails, single wet well, liner, access hatches, discharge piping, electrical and controls, emergency generator, miscellaneous piping and appurtenances, new access drive, fencing, and landscaping. The permitting included FDEP and County ROW applications.

d.

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

Wet Utility Relocations, I-4 Ultimate Corridor, Area 4
Maitland, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2017	2017

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Engineer of record for Package 4 which included the design of 12 individual utility relocations along Douglas Avenue from N. Westmonte Drive to SR 434, including the relocation of 1,095 feet of 6, 8, 12, and 16-inch potable water mains and reclaimed water mains, and three fire hydrant relocations.

e.

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

Wet Utility Relocations, I-4 Ultimate Corridor, Area 4
Seminole County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2017	2017

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Engineer of record for Package 10, which included the design of five individual utility relocations, including three jack-and-bores for casing pipe crossing the I-4 LA ROW and one jack-and-bore for casing pipe crossing the Markham Woods Road ROW for a total length of 807 feet of 24-inch steel casing and 315 feet of 30-inch steel casing; relocation of 417 feet of 16-inch, 855 feet of 10-inch, and 64 feet of 6-inch potable water main to avoid new I-4 drainage culvert conflicts for the I-4 expansion.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Chandra Mysore, PhD, PE, BCEE	**Water Treatment Facilities Lead**	35	1

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Atlanta, GA

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Ph.D., Environmental Engineering M.S., Environmental Engineering M.S., Water Resources and Reuse B.E., Civil Engineering	Professional Engineer - GA, LA Board Certified Environmental Engineer (BCEE)

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

American Water Works Association; Water Environment Federation; International Ultraviolet Association; International Design Association; Independent Operators Association

19. RELEVANT PROJECTS

a.

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

Greenfield RO WTP
Belleair, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	TBD

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Dr. Mysore is serving as a technical advisor for the ongoing RO pilot study to evaluate the oxidation filtration RO treatment system for the new groundwater treatment plant and providing technical review of the PER and final design deliverables. RO is being studied to reduce the levels of TDS, chloride, disinfection by-products (DBPs), and per- and polyfluoroalkyl substances (PFAS).

b.

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

Tampa Bay Regional WTP (TBRWTP)
Tampa, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Prior to CHA	Prior to CHA

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Technical advisor for the 66.0 MGD design/build/operate (DBO) project. Managed and directed a bench-scale study aimed at characterizing the NOM (TOC=12-40 mg/L) and conducting optimized coagulation studies (simulating the conventional andACTIFLO® process) to determine coagulant dosages. Designed static mixer with side stream for intermediate ozonation followed by BAF (TBRWTP is the first plant in the United States to have such a system). This plant was awarded the "Grand Prize" award for Design by the American Academy of Environmental Engineers. Oversaw bench- and pilot-scale studies with ACTIFLO® and ozone for plant expansion to 120.0 MGD.

c.

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

Melbourne Plant Improvements
Melbourne, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Prior to CHA	Prior to CHA

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Dr. Mysore provided technical direction for plant improvements for a 20.0 MGD surface water plant (ACTIFLO®, ozone, BAC) and a 5.0 MGD RO Membrane Plant. Responsibilities included assisting local staff, working with Kruger and membrane vendors, and overseeing the implementation of treatment process modifications through bench-scale studies, pilot-scale studies, and CFD modeling to optimize the ACTIFLO® process and upgrading the RO train to 10 MGD. Process with biological active filtration (BAF), ultrafiltration (UF) membranes followed by nanofiltration (NF) membranes was piloted with the primary benefits being better finished water quality, ability to treat for PFAS, microcystin, and other emerging contaminants and lower whole life costs.

d.

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

Integrated Water Resources Master Plan (IWRMP)
St. Petersburg, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Prior to CHA	Prior to CHA

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Technical and business lead for the award of the IWRMP. The IWRMP embodied the concept of "One Water;" including water supply, drinking water, water resources, wastewater, conveyance, biosolids, reclaimed water, regulations, stormwater, including resiliency, sustainability, and climate change. Dr. Mysore assisted the city in developing a long-term strategy to address infrastructure needs for the aging Cosme Drinking Water Plant (50.0 MGD), including an option to convert to nanofiltration membranes from traditional lime softening.

e.

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

Expert Panel Member
West Palm Beach, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Prior to CHA	Prior to CHA

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Served as an expert panel member on blue-green algae established in response to an algal toxin event experienced in 2021. Serving as an expert panel member for water treatment alternatives and as owner's engineer, Dr. Mysore gave a presentation to the Board recommending UV disinfection as a reliable and cost-effective alternative to improve disinfection performance at the 50 MGD WTP. Reviewed previous pilot study results that included low-pressure membranes for pathogen removal and part- stream RO for hardness/TDS reduction. Reviewed consultant reports on various alternatives for improvement (e.g., MIEX, UF membranes, UV) and recommended the implementation of UV. Oversaw UV pilot work and preliminary design to optimize the treatment process and to comply with the Consent Order. Reviewed the basis of design documents and recommended a UV design with the flexibility to convert to an advanced oxidation process (UV+H2O2) in the future.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Ian Grabo, EI	**Water Treatment Facilities and Water/ Wastewater/Reclaimed Conveyance Systems/ Sewer Assessment & Rehabilitation**	3	3

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Tampa, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
M.S., Environmental Engineering B.S., Environmental Science and Policy	Engineer Intern - FL

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

19. RELEVANT PROJECTS

a.

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

Water and Reclaimed Water Program Management
Clearwater, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the system-wide potable and reclaimed water main assessment and replacement program. This program includes the conceptual routing, design, permitting, and construction services for pipeline improvements and assessing replacement methods to minimize service and critical roadways impacts. This program additionally includes condition assessment, hydraulic modeling, and RPR services.

b.

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

Tavistock Development Company, Sunbridge WTP and WRF
St. Cloud, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer to provide a pilot study, preliminary design, detailed design, permitting, and construction services for a new greenfield 1.0 MGD WTP to supply drinking water to a new development community, along with a new greenfield 1.0 MGD WRF to treat the domestic wastewater from the Sunbridge community and sanitary flows from the WTP.

c.

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

Pipe Inspection Technology Evaluation
Clearwater, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for this project that focused on conducting a detailed evaluation of available pipe assessment technologies and identifying the technologies that are best suited to assess the city's potable and reclaimed water pipes. The intention of the evaluation was to determine the most appropriate technology for the city and to use that technology consistently throughout the distribution systems to allow for the collection of uniform data. The uniform testing data allows for the city to determine if potable and reclaimed water mains need to be replaced based on a quantitative analysis method. The testing results also allow the city to track the condition of potable and reclaimed water mains over time, if the testing results indicate the main does not require near term replacement.

d.

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

Tampa Bay Water, Brandon Booster Station
Hillsborough County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the design for improvements to the existing potable water pump station. The improvements included a 5.0 MGD booster pump station, replacing the GST inlet flow meter and control valve, replacing several high-service pump (HSP) valves and actuators, yard piping modifications, and a 42-inch butterfly valve with a motorized actuator.

e.

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

Force Main Condition Assessment Phase III
Pinellas County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the assessment and evaluation of 18,000 feet of 8- to 10-inch ductile iron force main, which conveys wastewater in North Pinellas County to the W.E. Dunn Water Reclamation Facility. The assessment included determining the profile of the force main using existing data and comparing it to new survey, ground-penetrating radar (GPR), and subsurface utility engineering (SUE) data. Further evaluation included a visual assessment and thickness measurements at strategic points on the pipe using ultrasonic thickness testing (UTT). The assessment identified deteriorating areas and recommended repair, replacement, or further testing.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Boya Wang, PhD, PE	**Water Treatment Facilities**	9	2

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Winter Haven, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Ph.D., Civil Engineering M.S., Civil Engineering B.S., Building Environment and Energy Engineering	Professional Engineer - FL

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

19. RELEVANT PROJECTS

a.

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

Sunbridge WTP and WWTP
St. Cloud, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the design, permitting, and construction services for a new greenfield 1.0 MGD WTP using ozonation for hydrogen sulfide removal to supply drinking water to a new development community and a new greenfield 3.5 MGD WWTP to treat the domestic wastewater.

b.

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

Greenfield RO WTP
Belleair, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	TBD

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the ongoing RO pilot study to evaluate the oxidation filtration RO treatment system for the new groundwater treatment plant and providing technical review of the PER and final design deliverables. RO is being studied to reduce the levels of TDS, chloride, disinfection by-products (DBPs), and per- and polyfluoroalkyl substances (PFAS).

c.

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

PFAS Treatment Feasibility Study
Vero Beach, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2024	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for a study to identify additional treatment options for removing PFAS at the city's Lime Softening WTP. Services included researching potential treatment technologies, evaluating technologies for PFAS removal at the lime softening plant, developing recommended alternatives, and providing the findings of the study in a technical report.

d.

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

Well 3 WTP Upgrade
Warwick, NY

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Prior to CHA	Prior to CHA

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Lead engineer to upgrade the WTP to meet the LT2 standards. Replaced the existing treatment process with a cartridge filtration system and UV disinfection system to achieve 5.5-log removal of Cypto and 3-log removal of Giardia.

e.

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

Reclaimed GST and Pump Station
Haines City, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the design, permitting, and construction administration services for a 7.8 MGD transfer pump station with VFDs and a concrete wet well, a 3-MG prestressed concrete GST, a new 4.5 MGD reclaimed high-service pump station with VFDs, an off-site 1.1 MGD booster pump station, yard piping, electrical, I&C,

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Scott Hoxworth, PE	**Water Treatment Facilities & Construction-Phase Services Lead**	27	22

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Winter Springs, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
M.S., Environmental Engineering B.S., Environmental Engineering	Professional Engineer - FL

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

Water Environment Federation

19. RELEVANT PROJECTS

a.

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

Tavistock Sunbridge WTP and WRF
St. Cloud, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Senior project engineer and construction engineer to provide a pilot study, preliminary design, detailed design, permitting, and construction services for a new greenfield 1.0 MGD WTP to supply drinking water to a new development community, along with a new greenfield 1.0 MGD WRF to treat the domestic wastewater from the Sunbridge community and sanitary flows from the WTP.

b.

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

Ormond Beach WTP Upgrades
Ormond Beach, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2021	2021

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Senior project engineer for the design, permitting, and construction oversight activities for the renewal and replacement projects at the city's 12 MGD lime softening/low-pressure RO WTP. Improvements included a new bulk hypochlorite storage and feed facility, two replacement lime slakers, and a replacement motor control center.

c.

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

Brackish RO WTP #2
Clearwater, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2015	2016

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Senior project engineer for the design of the city's new 6.25 MGD RO WTP #2 with an approximately $30 million construction cost. The objectives of the project included conserving water, producing high water quality from brackish and fresh groundwater, and designing a state-of-the-art RO facility. The design of the plant incorporated two treatment trains. The brackish groundwater blended with the concentrate from the city's RO WTP #1 is treated via RO to reduce the salt concentration, and the 5.25 MGD of permeate is then ozonated to oxidize the sulfides. The freshwater is oxidized with chlorine, filtered to remove the iron, and then blended with the ozonated permeate. As the freshwater is relatively hard and alkaline, the blending of the freshwater and permeate results in stable water after minimum post-treatment. Treatment of the concentrate from RO WTP #1 was an innovative approach to conserve water.

d.

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

Spruce Creek WTP Membrane Replacement and Study
Volusia County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2022	2022

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the membrane replacement project at the Spruce Creek Fly-In WTP in Volusia County, FL. The WTP uses nanofiltration and had membranes that exceeded their life expectancy and removed more minerals than expected. In 2019, CHA conducted a study and recommended new membranes to allow more minerals to pass through. CHA also provided engineering services for the full replacement and startup certification of the new membrane elements.

e.

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

WTP #1 Improvements
St. Cloud, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer providing support services during the construction of major upgrades to the city's WTP #1 MIEX® treatment system, sodium hypochlorite and fluoride feed system, transfer pump system, high-service pumping and storage system, and brine waste and disposal system.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jim Hagerty, PE	**Wastewater Treatment Facilities Lead**	40	9

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Winter Springs, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
M.E., Civil Engineering B.S., Civil Engineering	Professional Engineer - FL, KY, MO, IL

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: **5.0 MGD Greenfield MBR WRF**, Vero Beach, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Senior project engineer for the design of the city's new 5.0 MGD MBR WRF. Treatment process components include an influent master lift station, headworks, dual-stage screening system, screening washing and compaction, grit removal, flow equalization, 5-stage MBR Bardenpho biological treatment, membrane filtration, high-level disinfection, a reclaimed water storage pump station, Class B chemical stabilization, centrifuge biosolids dewatering, deep well injection, odor control, reject water storage, one 4.0-MG GST, and associated appurtenances.

b.

(1) TITLE AND LOCATION *(City and State)*: **6.0 MGD WWTP Expansion**, Haines City, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Senior project engineer for the design, permitting, and construction-phase services for the city's WWTP expansion project that includes a new headworks structure with new screening and grit removal equipment; converting two existing oxidations ditches to an EQ basin; new 6.0 MGD five-stage biological treatment system; RAS/WAS pumping capacity improvements; rehabilitating/replacing existing gas chlorination feed equipment and monitoring equipment; solids handling improvements; civil, site, and stormwater upgrades to support the new process and systems; a hazardous waste assessment for demolishing the existing headworks; and electrical/SCADA system upgrades.

c.

(1) TITLE AND LOCATION *(City and State)*: **Sunbridge WTP and WRF**, Osceola County, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2023; CONSTRUCTION *(if applicable)*: 2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Senior project engineer responsible for the preliminary design, detailed design, permitting, and construction services for a new greenfield 1.0 MGD WTP using ozonation for hydrogen sulfide removal to supply drinking water to a new development community and a new greenfield 3.5 MGD WRF to treat the domestic wastewater.

d.

(1) TITLE AND LOCATION *(City and State)*: **Westport WWTF Expansion**, Port St. Lucie, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Senior project engineer for the preliminary engineering, permitting, final design, bidding, and construction services for expanding the Westport WWTF to meet the future treatment needs of the Westport service area. The scope is based on an anticipated future treatment to meet the following capacities: 10.71 MGD AADF, 12 MGD maximum month average day capacity, and 15.85 MGD peak day capacity.

e.

(1) TITLE AND LOCATION *(City and State)*: **Eustis Eastern WWTP Expansion**, Eustis, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018; CONSTRUCTION *(if applicable)*: 2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Senior project engineer for preliminary engineering, funding assistance, permitting, design, bidding, and construction administration services for the 1.0 MGD WWTP expansion, including the mechanically cleaned screens and compactor; grit removal and dewatering; new wet well with variable speed submersible pumps; treatment process for nutrient removal with internal recycle; aeration system; clarifiers; RAS/WAS pumping system; chlorine contact chambers and effluent transfer pumps; sodium hypochlorite storage and feed system; RIB evaluation and third RIB; biosolids holding/decanting and truck loading area; electrical, including a new generator; instrumentation and controls/SCADA; and an aeration/blower building.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Mark Worsham, PE	**Wastewater Treatment Facilities**	40	20

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Winter Springs, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Civil Engineering B.S., Agricultural Engineering	Professional Engineer - FL

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

American Water Works Association; American Membrane Technology Association

19. RELEVANT PROJECTS

a.

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

Tavistock Development Company, Sunbridge WTP and WRF
St. Cloud, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer to provide a pilot study, preliminary design, detailed design, permitting, and construction services for a new greenfield 1.0 MGD WTP to supply drinking water to a new development community, along with a new greenfield 1.0 MGD WRF to treat the domestic wastewater from the Sunbridge community and sanitary flows from the WTP.

b.

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

Westport WWTF Expansion
Port St. Lucie, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the preliminary engineering, permitting, final design, bidding, and construction services for expanding the Westport WWTF to meet the future treatment needs of the Westport service area. This scope is based on an anticipated future treatment to meet the following capacities: 10.71 MGD AADF, 12.00 MGD maximum month average day capacity and 15.85 MGD peak day capacity.

c.

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

5.0 MGD Greenfield MBR WRF
Vero Beach, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the design of the city's new 5.0 MGD MBR WRF. Treatment process components include an influent master lift station, headworks, dual-stage screening system, screening washing and compaction, grit removal, flow equalization, 5-stage MBR Bardenpho biological treatment, membrane filtration, high-level disinfection, a reclaimed water storage pump station, Class B chemical stabilization, centrifuge biosolids dewatering, deep well injection, odor control, reject water storage, one 4.0-MG GST, and associated appurtenances.

d.

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

Eastern WWTP Expansion
Eustis, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2019	2019

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the design, funding assistance, permitting, bidding, and construction administration services for the 1.0 MGD WWTP expansion, including grit removal and dewatering, a new wet well with variable speed submersible pumps, treatment process for nutrient removal with internal recycle, aeration system, clarifiers, RAS/WAS pumping system, chlorine contact chambers and effluent transfer pumps, sodium hypochlorite storage and feed system, RIBs, instrumentation and controls/SCADA, and an aeration/blower building.

e.

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

Greenwood Lakes Water Reclamation Facility (WRF) Improvements
Seminole County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2015	2015

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager for the building/structure, mechanical system, electrical system, and instrumentation control system inspections for the $14M upgrades.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Eric Knoppel, EI	**Wastewater Treatment Facilities**	8	8

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Winter Springs, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
M.S., Environmental Engineering B.S., Environmental Engineering	Engineer Intern - FL

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

Water Environmental Federation, Student Liaison for FWEA Central Florida Chapter Board

19. RELEVANT PROJECTS

a.

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

6.0 MGD WWTP Expansion
Haines City, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the design, permitting, and construction-phase services for the city's WWTP expansion project that includes a new headworks structure with new screening and grit removal equipment; converting two existing oxidations ditches to an EQ basin; new 6.0 MGD five-stage biological treatment system; RAS/WAS pumping capacity improvements; rehabilitating/replacing existing gas chlorination feed equipment and monitoring equipment; solids handling improvements; civil, site, and stormwater upgrades to support the new process and systems; a hazardous waste assessment for demolishing the existing headworks; and electrical/SCADA system upgrades.

b.

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

5.0 MGD Greenfield MBR WRF
Vero Beach, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the design of the city's new 5.0 MGD MBR WRF. Treatment process components include an influent master lift station, headworks, dual-stage screening system, screening washing and compaction, grit removal, flow equalization, 5-stage MBR Bardenpho biological treatment, membrane filtration, high-level disinfection, a reclaimed water storage pump station, Class B chemical stabilization, centrifuge biosolids dewatering, deep well injection, odor control, reject water storage, one 4.0-MG GST, and associated appurtenances.

c.

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

Westport WWTF Expansion
Port St. Lucie, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer responsible for sampling and lab analysis, wastewater characterization, flow projections and design flows, influent and effluent parameter distribution and analysis, effluent design targets, liquid and solids process flow diagrams, biological modeling and evaluation, plant hydraulics, filter dosing pump design and modeling, anoxic/aeration design, and basis of design and preliminary design report.

d.

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

Sunbridge WTP and WRF
Osceola County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer responsible for the preliminary design, detailed design, permitting, and construction services for a new greenfield 1.0 MGD WTP using ozonation for hydrogen sulfide removal to supply drinking water to a new development community and a new greenfield 3.5 MGD WRF to treat the domestic wastewater.

e.

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

Eastern WWTP Expansion
Eustis, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2019	2019

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for construction services, including progress meetings, shop drawing review, requests for information (RFIs), site walks, submittal review, and start-up inspections. Provided preliminary engineering, funding assistance, permitting, design, bidding, and construction administration services for the 1.0 MGD WWTP expansion, including the mechanically cleaned screens and compactor; grit removal and dewatering; new wet well with variable speed submersible pumps; treatment process for nutrient removal with internal recycle; aeration system; clarifiers; RAS/WAS pumping system; chlorine contact chambers and effluent transfer pumps; sodium hypochlorite storage and feed system; rapid infiltration basin (RIB) evaluation and third RIB; biosolids holding/decanting and truck loading area; electrical, including a new generator; instrumentation and controls/SCADA; and an aeration/blower building.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jay Sanders, PLS, PE	**Wastewater Treatment Facilities**	22	1

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Winter Springs, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Chemical Engineering, Minor in Environmental Engineering	Professional Engineer - SC Professional Land Surveyor - SC Licensed Biological and Physical/Chemical Wastewater Operator, Level A

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: **6.0 MGD WWTP Expansion**, Haines City, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Process mechanical engineer for the design, permitting, and construction-phase services for the city's WWTP expansion project that includes a new headworks structure with new screening and grit removal equipment; converting two existing oxidations ditches to an EQ basin; new 6.0 MGD five-stage biological treatment system; RAS/WAS pumping capacity improvements; rehabilitating/replacing existing gas chlorination feed equipment and monitoring equipment; solids handling improvements; civil, site, and stormwater upgrades to support the new process and systems; a hazardous waste assessment for demolishing the existing headworks; and electrical/SCADA system upgrades.

b.

(1) TITLE AND LOCATION *(City and State)*: **7.5 MGD Headworks Project**, Lancaster, SC

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2023; CONSTRUCTION *(if applicable)*: 2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [ ] Check if project performed with current firm

Project engineer responsible for QA efforts of 7.5 MGD headworks and pump station project for the City of Lancaster, SC. The work included evaluation of headworks design for screening and grit removal, blower design (oxygen transfer and pressure loss), and pump evaluation for RAS pump station.

c.

(1) TITLE AND LOCATION *(City and State)*: **Clemson University 3.6 MGD WWTP Operability Study**, Clemson, SC

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2023; CONSTRUCTION *(if applicable)*: N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [ ] Check if project performed with current firm

Project engineer responsible for inspecting Clemson University's WWTP to comply with SC DHEC requirements.

d.

(1) TITLE AND LOCATION *(City and State)*: **0.35 MGD Sequence Batch Reactor**, Western, NC

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2023; CONSTRUCTION *(if applicable)*: Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [ ] Check if project performed with current firm

Project engineer responsible for designing a 0.35 MGD for private, residential client to serve neighborhood and golf course. The work included preliminary study to ensure size was adequate for current and future growth. Performed hydraulic, oxygen transfer, pump station, headworks and other applicable calculations for design and permitting with NC DEQ. Work also included creating specifications and integrating site-relevant design with vendor package.

e.

(1) TITLE AND LOCATION *(City and State)*: **US Department of Energy Decommissioning Project**, ID

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [ ] Check if project performed with current firm

Lead mechanical engineer for this project that was part of the American Recovery and Reinvestment Act of 2009. Tasks included decommissioning nuclear material was removed and stabilized for long-term storage to protect Snake River watershed.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Stefano Ceriana, PE, LEED AP	**Water/Wastewater/Reclaimed Conveyance Systems**	25	11

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Winter Springs, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
M.S., Environmental Engineering B.S., Civil/Environmental Engineering	Professional Engineer - FL LEED® Accredited Professional FDOT Certification Transportation Approved Temporary Traffic Control (TTC) Intermediate Course, No. 41174

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

American Water Works Association

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
World Drive Extension Utility Relocation Osceola County, FL	2020	2020

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project manager for the relocation of the water, wastewater and reclaimed water utilities as part of a roadway project to extend World Drive as it enters the Magic Kingdom. The roadway was extended, realigned, and included fly-overs, modified drainage, and other roadway improvements. The design included 3,400 feet of 20-inch and 30-inch reclaimed water main, 1,800 feet of 6-inch and 8-inch water main, 1,250 feet of 20-inch water main and 1,100 feet of 8-inch gravity force main and five manholes.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
SSNOCWTA C-200 Force Main Pipeline Replacement Preliminary Design Report and Design | Seminole County, FL	2019	2019

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project manager for the preliminary design report and design, permitting and construction administration of this pipeline replacement project. The preliminary design report included an evaluation of replacement techniques for approximately 22,000 feet (ranging in size from 12-inch to 20-inch) located throughout residential and commercial areas. The design made use of HDD, pipe bursting and jack-and-bore techniques to minimize disturbance above ground.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Five Points Complex Seminole County, FL	Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project manager for this project that consisted of relocating and upsizing approximately 1,500 feet of 8- and 12-inch potable water main, 2,100 feet of 6-inch reclaimed water main, and 200 feet of force main within county ROW. Also provided hydraulic modeling and preliminary design to model existing and future demands of the new campus and verify that pipeline diameters would be sufficient to meet future pressures and flows.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Seminola Master Pump Station Relocation and Force Main Replacement Casselberry, FL	2022	2022

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project engineer for the preliminary and final design, permitting, bidding, construction inspection, and construction administration services for a new triplex master pump station and to up-size an existing 10-inch C-200 PVC force main to a 16-inch PVC and HDPE force main. The master pump station relocation included demolishing the existing lift station, except for the existing wet well. The new lift station included a new triplex lift station with submersible pumps, pump guide rails, single wet well, liner, access hatches, discharge piping, electrical and controls, emergency generator, miscellaneous piping and appurtenances, new access drive, fencing, and landscaping. The force main replacement consisted of 4,619 feet of 16-inch force main consisting of 590 feet of jack-and-bore within a 30-inch steel casing, 2,777 feet of HDD, and 1,252 feet of open-cut connecting the city's largest pump station to the city's WRF and an alternative connection with valving to the City of Orlando's Iron Bridge WRF.

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ernie Caldwell Boulevard (ECB) Reclaimed Water Main Improvements Phase 1 Polk County, FL	2020	2020

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project manager for the preliminary and final design, permitting, bidding, and construction administration services to complete a reclaimed water main loop in the ECB and US Highway 17/92 corridors. The project consisted of 10,300 feet of 20-inch reclaimed water main within the ECB corridor extending from Posner Center to a future roadway connection with Ridgewood Lakes Phase 2. The design included considering a future alignment of a 20-inch potable water main and 16- to 20-inch wastewater force main that will parallel the reclaimed water main equipment for remote operation and monitoring.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Joseph Graham, JD, PE	**Regulatory Compliance/Funding Assistance/ Permitting Lead**	17	4

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Tampa, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
J.D., Law M.E., Civil and Environmental Engineering M.B.A., Business Administration M.S., Public Health B.S., Chemical Engineering	Professional Engineer - FL

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

Florida Bar Association: FL No. 98511; Patent Attorney: DC No. 73182; American Water Works Association; Florida Engineering Society

19. RELEVANT PROJECTS

a.

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

Rule 62-600 Rule Change Plan
Haines City, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager for developing and drafting responses to state regulatory changes. Significant elements include: a wastewater needs analysis over 20 years, a collection action system plan; and a power outage contingency plan. These elements included technical elements, standard operating procedures, outreach and communication, and financial and rate analysis reporting.

b.

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

Water and Reclaimed Water Program Management
Clearwater, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for developing a system-wide potable water and reclaimed water main assessment and replacement program, including conceptual routing, design, permitting, and construction services for pipeline improvements that kept with the big picture goal of renewing critical infrastructure and the assessment and replacement methods to minimize service and roadway impacts.

c.

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

Tampa Bay Water, Brandon Booster Station
Hillsborough County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2022	2022

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for permitting, designing, and constructing a potable water booster station for a water cooperative consisting of six separate county and municipal government stakeholders. The booster station serves a high growth area of Hillsborough County and is subject to significant county and citizen interest. Permitting role included water management district, department of environmental protection, and county development review permits.

d.

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

Wekiva Septic-to-Sewer Conversion
Seminole County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2021	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project lead for developing, drafting and submitting grant and loan funding applications for various distinct phases of a county septic to sewer initiative to address a Priority Focus Area Basin Management Action Plan. Funding pursuits include Division of Water Restoration Assistance Wastewater Grant, Innovative Technologies Grant, State Water-Quality Assistance Grant, Resilient Florida Grant, and Clean Water State Revolving Fund (SRF). Successfully obtained $10 million in funding from an FDEP Wastewater Grant for the conversion of four project areas in the Wekiva PFA Area.

e.

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

Mims Wellfield Information Map
Brevard County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2022	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager for a study with exhibits detailing the status of all wells with a dispersed water supply wellfield. CHA analyzed the regulatory status of existing individual wells, wells under construction and identified potential well sites. The well sites (approximately 20) and site features were compared to applicable Florida rules for setbacks and buffers to water production wells, recorded easements and well test results to generate a regulatory and regulator status of each existing and proposed well site.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Pamela Kerns, EI	**Regulatory Compliance/Funding Assistance/ Permitting**	14	8

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Tampa, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Environmental Engineering A.S., Engineering Science	Engineer Intern - MD OSHA, Confined Space, and Fall Protection Training

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

Florida Water Environmental Association - Chair

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Salford Road Expansion Environmental Review Record (ERR) North Port, FL	2024	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project manager - The city received an EPA Community Grant for an ongoing neighborhood expansion project. Before funding was made available, certain parameters needed to be met. Those parameters included initial agency correspondence required by the EPA's grant guidance. CHA perfomed general project administration and management activities between CHA, federal agencies and the city. CHA also prepared initial agency correspondence required as per EPA grant guidance.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Lift Station Bypass Pumps ERR North Port, FL	2024	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project manager - The city received Community Development Block Grant-Mitigation (CDBG-MIT) funding for two projects as a result of sustained damage from Hurricane Irma. One project is to install the permanent diesel bypass pumps at lift stations 23, 25, 30, 37, 38, 39, 43, and 63. The permanent diesel bypass pumps are intended to keep wastewater flowing during future power failures (such as those associated with storm events) preventing overflows. The second project is to rehabilitate existing gravity wastewater collection system piping that currently contributes to excessive inflow and infiltration into the city's wastewater collection system. This project will utilize CIPP lining for the rehabilitation of the existing vitrified clay pipe (VCP) to mitigate inflow and infiltration into the collection system. Pamela served as project manager for preparing for the ERR as it relates to the project activities.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ernie Caldwell Reclaimed Water Main Improvements, Phase 1 Polk County, FL	2020	2020

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project engineer for the preliminary and final design, permitting, bidding, and construction administration services to complete a reclaimed water main loop in the Ernie Caldwell Boulevard and US Highway 17/92 corridors. The project installed 10,300 feet of 20-inch reclaimed water main. The project included considering a future alignment of a 20-inch potable water main and 16- to 20-inch wastewater force main that will parallel the reclaimed water main.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Unidirectional Flushing (UDF) Phase 1 St. Cloud, FL	2022	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Lead project engineer for the complete UDF program to address increased water quality customer complaints. The project consisted of a hydraulic model update, UDF program planning, design, and coordination.

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Collection System Pump Station 357 and Force Main Improvements Pinellas County, FL	2021	2021

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project engineer for the hydraulic analysis, modeling, and design to disconnect the force main connection from pump station 357 and pump station 448. The project also consisted of designing the necessary pump station upgrades to allow pump station 357 and the system to operate as intended.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Garven Dabady, PE	**Regulatory Compliance/Funding Assistance/ Permitting**	5	1

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Tampa, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S. Chemical Engineering	Professional Engineer - FL

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

19. RELEVANT PROJECTS

a.

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

Water and Reclaimed Water Program Management
Clearwater, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the system-wide potable and reclaimed water main assessment and replacement program. This program includes the conceptual routing, design, permitting, and construction services for pipeline improvements and assessing replacement methods to minimize service and critical roadways impacts. This program additionally includes condition assessment, hydraulic modeling, and RPR services.

b.

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

SSNOCWTA Extension-of-Staff Services
Seminole and Orange Counties, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for local wastewater transmission authority, which comprises local municipalities and counties to regionalize wastewater treatment and transmission and obtain optimum efficiencies in wastewater treatment. The system consists of 32 pump stations (design capacity of 47 MGD) and major transmission mains (10 to 42 inches in diameter) to meet needs in relationship to transmission of wastewater to a regional wastewater treatment plant. CHA's responsibilities include design, permitting, and construction administration services; surveying, utility locates, and subsurface utility investigations; management of continuing contractors; vendor/contractor proposals and contract procurement; asset rehabilitation and replacement; emergency responses services (i.e., loss of power, pump station overflows, and pipeline incidents); operations and maintenance support; I&I program implementation; facilities maintenance tracking and management; extension of staff; and updates to the master plan and capital improvement plan budget.

c.

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

Wastewater Collection Sanitary Program
Clearwater, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the multi-year wastewater program. The total program has allocated over $19 million for the professional services associated with the program. The program includes design, permitting, bidding, and construction oversight for point repairs and CIP repairs. The program also oversees the city's six continuing contractors, including a contractor for point repair, CCTV, manhole lining, gravity pipe lining, flow monitoring, and dying testing. The program also includes capital projects, such as sanitary sewer replacement, manhole replacement, lift station rehabilitation and replacement, septic-to-sewer projects, and other projects outlined in the city's master plan.

d.

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

South County AWWTP Flow Diversion
Hillsborough County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Prior Firm	Prior Firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Hillsborough County's South County AWWTP was nearing its permitting capacity of 10 MGD. Instead of completing an expansion, the county was interested in diverting flow to two other county facilities, the Falkenburg AWWTP and Valrico AWWTP. This work included estimating daily flows to quantify the amount to be diverted from South County AWWTP, creating maps to detail valves necessary to open and close during diversions, and recording specific dates and times of valve manipulation.

e.

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

Wastewater Collection System Model Building in Bentley SewerGEMS
Hillsborough County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Prior Firm	Prior Firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Project engineer for the development of the Hillsborough County Collection System model in Bentley SewerGEMS. The project included the review of existing potable water billing data to develop a dry weather influent flow baseline, developing a catalog of pump curves currently in use or planned for use, and reviewing record drawings to confirm model structure accuracy.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Ed Talton, PE	**Master Planning & Hydraulic Modeling Lead**	36	25

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Winter Springs, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
M.S.E., Environmental Engineering B.S.E., Environmental Engineering Hydraulic Surge Modeling Training	Professional Engineer - FL LEED® Accredited Professional

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

American Water Works Association

19. RELEVANT PROJECTS

a.

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

Toho Water Authority, Wastewater Master Plan and Implementation Support
St. Cloud, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager who completed a full wastewater master plan for Toho Water Authority, including treatment optimizations/expansions, hydraulic model development (including gravity), alternatives evaluations, and CIP development and prioritization.

b.

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

Lift Station 302 (LS 302) 250 HP Wastewater Pump Model Calibration and Surge Evaluation/Mitigation | Polk County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2024	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager who completed a calibration of PCU's triplex 250 HP submersible lift station by comparing field flow/pressure data with the model. Also installed high-speed pressure recorders and surge-modeled station and worked with pump manufacturer to develop and implement surge mitigation issues.

c.

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

Wastewater Master Plan Update and Hydraulic Model Calibration
Orange County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager for a continuing engineering services contract to provide hydraulic modeling for the county to update, optimize and utilize potable water, wastewater and reclaimed water system hydraulic models. The engineering services included using hydraulic models to support utilities planning, including the recommendation of capital improvements projects, design, operation, and regulatory compliance.

d.

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

Orlando Utilities Commission (OUC), Water Master Plan
Orlando, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2024	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager who completed a unique evaluation for OUC, resizing water distribution pipes in the entire city to support roadway and pipe rehabilitation projects. The project included extensive GIS analysis of the City of Orlando data, including fire building areas for fire flow coverage.

e.

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

Sunflower Pump Station Preliminary Design
Orange County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager who performed flow analysis and projections on one of the county's largest wastewater pump stations (Sunflower-6 submersible pump). Performed alternatives analysis to re-route flows and optimize force main utilization and Sunflower expansion sizing. The project included station calibration and hydraulic modeling to support the final design.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Parsa Pezeshk, PhD, PE	**Master Planning & Hydraulic Modeling**	8	4

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Tampa, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Ph.D., Environmental Engineering M.Sc., Environmental Engineering B.Sc., Applied Chemistry	Professional Engineer - FL

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

American Water Works Association

19. RELEVANT PROJECTS

a.

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

Integrated Water Supply Plan (IWSP)
Haines City, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for this project that is being performed in parallel with the city's resilient potable water master plan. The IWSP dominates strategic level choices on types of raw water sources to be used for potable water supply, and contributions that stormwater and reclaimed water can make to assure the most cost-effective overall approach to the provision of potable and non-potable water utility services. The IWSP develops the city's approach to a holistic water supply management and resource stewardship. It aligns the city's programs and policies under a shared vision that minimizes conflict of objectives between different branches of utilities and public works services, such as water, wastewater, stormwater, and reclaimed water, which are commonly developed in isolation from each other. CHA is performing an inventory of existing reclaimed water infrastructure, a review of the existing reclaimed water system hydraulic model, reviewing existing and future regulatory requirements, reclaimed water demand projection, limited groundwater modeling, limited review and update of the existing hydraulic model, reclaimed water system hydraulic modeling, selection of preferred potable, reclaimed, and stormwater facility combinations, and alternatives and recommended improvements to the water system.

b.

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

Water and Reclaimed Water Program Management
Clearwater, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the system-wide potable and reclaimed water main assessment and replacement program. This program includes the conceptual routing, design, permitting, and construction services for pipeline improvements and assessing and replacing methods to minimize service and critical roadways impacts. This program additionally includes condition assessment, hydraulic modeling, and RPR services.

c.

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

Reclaimed Water Service Evaluation
Clearwater, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer responsible for hydraulic modeling and evaluating the reclaimed water system with the overall goal of reducing surface water discharge through increasing public access reclaimed water disposal. CHA evaluated the existing City of Clearwater parks, special facilities, city-owned property, grassed area within road ROWs, and properties currently being irrigated with city-owned potable water lawn meters to determine the effort to connect these areas to the city's reclaimed water distribution system. This will allow for additional public access reuse. CHA modeled the system's hydraulics for existing and proposed network piping to provide recommendations on maximizing the beneficial use of reclaimed water.

d.

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

Fort Harrison Avenue Hydraulic Evaluation
Clearwater, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for hydraulic modeling and evaluation of the potable and reclaimed water system for sizing potable water and reclaimed water mains along Fort Harrison Avenue to address future growth in the area and improve the hydraulic performance of the reclaimed and potable water systems.

e.

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

Reclaimed Water Master Plan
Clearwater, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the Clearwater Reclaimed Water Master Plan. The project's purpose is to provide the city with an updated model to evaluate the existing system and potential upgrades and expansion options. In addition, the city is prioritizing the expansion of RCW use to achieve goals associated with updated legislature to eliminate surface water discharge. Project tasks include facilities evaluation, demand project, condition assessment, model calibration, flow projections, water quality evaluation, capacity evaluation, and policy review.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Hannah Kapalo, EI, ENV SP	**Master Planning & Hydraulic Modeling**	3	2

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Tampa, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Environmental Engineering	Engineering Intern - FL Envision Sustainability Professional

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

Water Environment Federation

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Water and Reclaimed Water Program Management Clearwater, FL	Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project engineer for the system-wide potable and reclaimed water main assessment and replacement program. This program includes the conceptual routing, design, permitting, and construction services for pipeline improvements and assessing replacement methods to minimize service and critical roadways impacts. This program additionally includes condition assessment, hydraulic modeling, and RPR services.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Reclaimed Master Plan Clearwater, FL	Ongoing	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project engineer for this master plan that considered the full build out of the reclaimed water system up to 10.0 MGD and 420 miles of piping where the first two of six phases could be incorporated with limited modifications to the existing system. Phases three and beyond required the incorporation of a new pump station, additional storage, and improvements to existing pump stations to accommodate the added demands. CHA recommended the city consider beginning early phases to add new connections to nearby existing infrastructure to increase reclaimed water use and decrease surface water discharge to support efforts to meet regulatory requirements.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Integrated Water Supply Plan (IWSP) Haines City, FL	Ongoing	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project engineer for this project that is being performed in parallel with the city's resilient potable water master plan. The IWSP dominates strategic level choices on types of raw water sources to be used for potable water supply, and contributions that stormwater and reclaimed water can make to assure the most cost-effective overall approach to the provision of potable and non-potable water utility services. The IWSP develops the city's approach to a holistic water supply management and resource stewardship. It aligns the city's programs and policies under a shared vision that minimizes conflict of objectives between different branches of utilities and public works services, such as water, wastewater, stormwater, and reclaimed water, which are commonly developed in isolation from each other. CHA is performing an inventory of existing reclaimed water infrastructure, a review of the existing reclaimed water system hydraulic model, reviewing existing and future regulatory requirements, reclaimed water demand projection, limited groundwater modeling, limited review and update of the existing hydraulic model, reclaimed water system hydraulic modeling, selection of preferred potable, reclaimed, and stormwater facility combinations, and alternatives and recommended improvements to the water system.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Water Distribution System Improvements, Task 12 Clearwater, FL	2024	2024

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project engineer for this project that consisted of the preliminary and final design, permitting, bidding, and RPR services for 690 feet of aerial crossing replacements ranging in sizes of 6 to 8 inches, 9,470 feet of pipe replacements ranging in sizes of 4 to 12 inches, 2,930 feet of pipe relocations ranging in sizes of 6 to 20 inches, 9,690 feet of pipe upsizing from 4 to 12 inches, 440 feet of new water mains to loop system, and 240 service line only replacements. This project included construction in particularly challenging areas, including high-profile residential streets, congested rights-of-way (ROWs) with multiple other utilities, and relocating mains from private property to city ROW.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Chad Meisel, PE	**Master Planning & Hydraulic Modeling**	11	10

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Winter Springs, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Civil Engineering B.S., Environmental Engineering	Professional Engineer - FL

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

American Society of Civil Engineers, American Concrete Institute

19. RELEVANT PROJECTS

a.

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

SWRF Influent Pump Station Expansion and Upgrades
Orange County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2024	2024

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer to provide a wastewater gravity model of the system before entering the influent pump station to evaluate the potential for surging manholes. CHA provided engineering and support services to expand the South Water Reclamation Facility (SWRF) influent pumping capacity to meet the Phase V peak-flow capacity and make provisions for future peak-flow capacity. This project was done in conjunction with the Phase V expansion project. The existing influent pump station included screening raw wastewater entering SWRF and transferring the screened wastewater downstream to the preliminary treatment structure. The existing pumps and motors in the influent pump station were scheduled for replacement and upgrade.

b.

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

Toho Water Authority, Wastewater Master Plan and Implementation Support
St. Cloud, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for a full wastewater master plan for Toho Water Authority, including treatment optimizations/expansions, hydraulic model development (including gravity), alternatives evaluations, and CIP development and prioritization.

c.

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

Comprehensive Utility Strategic Master Plan
Fort Lauderdale, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2016	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for developing a wastewater force main model that was utilized to build various scenarios and perform an analysis to determine capital improvement projects based on a level of service criteria. Provided a wastewater gravity model that was then used to analyze the downtown projected growth in the area.

d.

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

Water, Wastewater, and Reuse Master Plan and Hydraulic Modeling
St. Cloud, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2020	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer who completed an update to the City of St. Cloud's utilities master plan to triple the size of the utility over the next 15 years. GIS and hydraulic modeling were used to locate future development needs and cost-effectively size infrastructure.

e.

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

Wastewater Master Plan Update and Hydraulic Model Calibration
Orange County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for a continuing engineering services contract to provide hydraulic modeling for the county to update, optimize and utilize potable water, wastewater and reclaimed water system hydraulic models. The engineering services included using hydraulic models to support utilities planning, including the recommendation of capital improvements projects, design, operation, and regulatory compliance.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Mark Lambert, PE	**Sewer Assessment & Rehabilitation Lead**	34	23

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Charlotte, NC

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
M.S. & B.S., Civil Engineering	Professional Engineer - FL, NC, SC, TN, VA

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

Water Environment Association

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Seminole County I&I Program Seminole County, FL	Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Senior project engineer for the county-wide I&I program to quantify the impacts of I&I on the county's extensive collection system. This project included implementing 50 flow meters and 8 rain gauges throughout the county's wastewater collection system based on review of existing lift station runtime and rainfall data to select installation locations. Additionally, this project included the regular maintenance of flow monitoring equipment, continual review of flow monitoring data and other historical data, and the provision of a detailed summary report to quantify I&I and provide recommendations for next steps to reduce I&I.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Flow Monitoring Program Western Virginia Water Authority; Roanoke, VA	Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project manager responsible for implementing a system-wide flow monitoring program for the authority. Our team continuously operates, maintains, and performs data analysis and reporting for one permanent flow meter and 21 rain gauges. Our team also operates, maintains, and performs data analysis and reporting for 15 temporary flow meters deployed for seven months every year. These long-term temporary meters are used to quantify and prioritize I&I throughout the authority's sewer system during the wettest months and highest groundwater periods of the year.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Flow Monitoring Program Salem, VA	Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project manager responsible for implementing a flow monitoring program for the city's 10 temporary flow meters annually. The meters are deployed annually from October through May during the wettest months and highest groundwater periods of the year. These long-term temporary meters are used to quantify and prioritize I&I throughout the city's sewer system, to review sewer flow trends, and to review system capacity.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Flow Monitoring Program Charlotte Water; Charlotte, NC	Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project manager responsible for implementing a system-wide flow monitoring program for Charlotte Water. CHA has operated, maintained, and performed data analysis and reporting for Charlotte Water's permanent flow monitoring network continuously since 2001. We operate and maintain 63 permanent flow meters and 16 rain gauges throughout Charlotte Water's service area. Five of these meters are used for cross-county municipal billing purposes. We also perform temporary flow monitoring, having completed hundreds of temporary meter installations for I&I studies and capacity analyses.

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Sewer Rehabilitation Program Charlotte Water; Charlotte, NC	Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project manager responsible for all aspects of Charlotte Water's sewer rehabilitation program. CHA has managed Charlotte's sanitary sewer rehabilitation program every year since 1999. CHA performs all collection sewer assessments, new/replacement/rehabilitation sewer design, manages bidding procedures, and provides construction administration and inspection services for all projects.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Philip "Kip" Stansly, EI	**Sewer Assessment & Rehabilitation**	5	3

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Winter Springs, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
M.S., Civil Engineering B.S., Biological Engineering	Engineer Intern - FL

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
County-wide I&I Evaluation
Seminole County, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*: N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the county-wide I&I program to quantify the impacts of I&I on the county's extensive collection system. This project included implementing 50 flow meters and 8 rain gauges throughout the county's wastewater collection system based on review of existing lift station runtime and rainfall data to select installation locations. Additionally, this project included the regular maintenance of flow monitoring equipment, continual review of flow monitoring data and other historical data, and the provision of a detailed summary report to quantify I&I and provide recommendations for next steps to reduce I&I.

b.

(1) TITLE AND LOCATION *(City and State)*
SSNOCWTA Odor Checks
Orange and Seminole Counties, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*: N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Part of the team that completes monthly odor checks, which are due to the high hydrogen sulfide levels within the SSNOCWTA transmission system. Duties include visits to specific locations throughout the system to assess odor levels, replace odor media as needed, and address odor concerns that might arise.

c.

(1) TITLE AND LOCATION *(City and State)*
SSNOCWTA Pump Station Checks
Orange and Seminole Counties, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*: N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Involved with the monthly checks of SSNOCWTA pump stations. With a total of 33 pump stations, the responsibilities include a site visit to each pump station, performing a visual inspection with checklist of the pump station to ensure all pump station operations are working, and the site is free of any debris/objects that would impede day-to-day pump station operation. If required, coordinates with an authority member to report potential issues.

d.

(1) TITLE AND LOCATION *(City and State)*
SSNOCWTA Lift Station Drawdowns
Orange and Seminole Counties, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*: N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Involved with annual lift station drawdown exercises. Each year, SSNOCWTA, per the Enabling Act, must check the accuracy of the flow meters, by measuring flow volumes via drawdown exercises. Duties included setting up the measuring equipment above the wet well, taking initial measurements, pumping down the wet well, and inputting data and developing results to back check with the flow meter.

e.

(1) TITLE AND LOCATION *(City and State)*
SSNOCWTA Extension of Staff Services
Orange and Seminole Counties, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*: N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Coordinated and completed extension of staff services, as requested by SSNOCWTA's executive director. Recent tasks have included the coordination for the repairs of a pump station perimeter brick wall. Duties included locating a company to complete the repairs (due to the small nature of the repair, the task of finding a reputable company was more complicated); coordinating the repairs; performing site visits; and inspecting the final work. As part of the lift station drawdowns, the discharge pressure is measured by pressure gauges installed on the discharge piping. It was discovered that at various lift stations, there were no pressure gauges. As part of the team, Philip, worked to order the pressure gauges, coordinate with the installation contractor, and oversee the pressure gauge installation. Seminole County informed CHA that the pumps at the Tanglewood Pump Station were not performing hydraulically, as they should have been. Philip has been coordinating with Flygt Pumps and Seminole County for the pump selection, and in parallel, has been in contact with contractors to complete the installation and pump base replacement once the pumps are received.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jason Hignite	**Environmental Lead**	32	3

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Remote, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
M.A., Natural Resources and Environmental Management B.G.S., Liberal Arts	Certified Environmental Consultant, Indiana Department of Transportation/ Federal Highway Administration

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

National Association of Environmental Professionals; American Association of Aviation Executives: Environmental Committee; Aviation Consultants Council: Environmental Committee; Florida Airports Council: Environmental Committee

19. RELEVANT PROJECTS

a.

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

Florida Bonneted Bat Limited Roost Survey, 71st Street Pedestrian Bridge
South Miami, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager who visually inspected tree canopies within the project area for the presence of roosting Florida bonneted bats.

b.

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

Phase II Environmental Site Assessment, 71st Street Pedestrian Bridge
South Miami, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager for the subsurface investigation for the presence of contaminants underlying the intersection of SW 71st Street and US-1 for the proposed pedestrian bridge project.

c.

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

Wetland Determination, North County Utilities Extension
St. Lucie County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2022	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager who inspected the area along the proposed waterline route adjacent to US-1 in northern St. Lucie County.

d.

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

Wetland Determination, Sheridan Road Improvement Project
Hollywood, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2022	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager who inspected 2.7 miles of adjacent roadway corridor for the presence of wetland features for a proposed improvement project.

e.

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

Treasure Coast International Airport and Business Park Airport (FPR) Sustainability Plan | Fort Pierce, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2018	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Project manager who facilitated the Sustainability Plan as part of the Airport Master Plan. Sustainability objectives were integrated into the master plan goals for FPR. These objectives were derived from the long-term vision for the airport by airport staff, sponsor representatives, and community leaders. During the Public Participation Program, interest stakeholders and the general public reviewed and commented on the proposed objectives. Objectives covered environmental, financial, social, and operational factors.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Lindsay Rose	**Environmental Scientist**	10	10

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Gainesville, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Environmental Studies	

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

19. RELEVANT PROJECTS

a.

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

Wolf Creek Amphitheater Phase I Environmental Site Assessment (ESA)
South Fulton, GA

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Scientist for this Phase I ESA, which was conducted to qualify the client for limited liability protections under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). By adhering to the requirements outlined in ASTM 1527-21 and All Appropriate Inquiry (AAI) as defined in CERCLA (42 USC § 9601(35)(B) and 40 CFR Part 312), Lindsay collected data from various state and federal agencies. The resulting Phase I ESA Report, combined with onsite investigations, the client was able to satisfy the regulations.

b.

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

NextEra Energy Resources, FL, Wetland and Habitat Assessment
Juno Beach, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Scientist for a wetland delineation and habitat assessment for the client's potential land acquisition. Lindsay assisted with the fieldwork to obtain data needed to determine the property's wetland boundaries. This preliminary wetland and habitat assessment informed the client of any wetland or endangered species habitats that will be impacted in their future construction efforts, allowing the client to decide whether to continue the acquisition.

c.

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

Western Force Main
Melbourne, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2022	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Scientist for an environmental assessment searching for potential gopher tortoise habitats along the proposed construction route of a force main. CHA determined the location of a potential gopher tortoise habitat, allowing future contractors to take proper measures through state regulations to verify no impacts on the endangered tortoise.

d.

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

Environmental Review Record
North Port, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2024	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Scientist responsible for the NEPA documentation required to install nine new lift station bypass pumps. Lindsay conducted the nine site investigations per regulations for environmental concerns, including mapping soils, floodplains, air quality, historical preservation impacts, FDEP cleanup sites and more. Through investigation, it was determined that one lift station bypass pump would fall into a floodplain, requiring an eight-step floodplain analysis. CHA's assistance in the NEPA application and documentation helps secure funding for expanding the nine lift stations to serve the community's water needs better.

e.

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

Reclaimed Water Pump Station and Tank
Ocoee, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2024	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Scientist responsible for conducting a site investigation to assess environmental concerns before beginning construction of a new reclaimed water pump station and storage tank. No environmental impacts were found at the client's proposed location.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Leann Wishah, EI	**Environmental Engineer**	4	4

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Winter Springs, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Environmental Engineering	Engineer Intern - FL

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

19. RELEVANT PROJECTS

a.

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

NSBU Lead and Copper Rule Program
New Smyrna Beach, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2022	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for deploying an asset inventory of the service lines within the utilities commission's potable distribution system. Leann's role in this project was to use current as-builts from the client, integrate them into ArcGIS, and use a data collection system (through Microsoft excel) to create an asset inventory assessment and review for the client's service line assets.

b.

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

World Drive Extension, Phase III
Kissimmee, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2021	2021

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer assisting with relocating and upsizing 9,200 feet of 16- and 20-inch reclaimed water main, 9,000 feet of 16-inch potable water main, and 1,500 feet of 20-inch wastewater force main within county ROW. Tasks included preliminary engineering, final design, and permitting services for the project.

c.

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

Toho Water Authority (Toho) Wastewater Master Plan Update
Osceola County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for this wastewater master plan update. Toho's last master plan was completed in 2012 using 2010-2011 data, and an update is required to incorporate changes since that time. TWA continues to experience growth and development throughout its utility service area, with an expected significant increase in wastewater customers over the next 5 to 10 years. Master planning will facilitate the timing and cost efficiency of future infrastructure improvements required to serve this growth. This wastewater master plan update will incorporate recently constructed infrastructure and use planning tools, including the updated hydraulic model, to update capital planning in a cost-efficient manner. The capital improvement plan portion will be completed for a 10-year planning horizon.

d.

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

Wekiva Septic-to-Sewer Conversion
Seminole County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2021	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for developing a remediation plan in the first phase that included an inventory with more than 4,000 on-site sewage treatment and disposal systems (OSTDS) in the Wekiva Basin Management Action Plan (BMAP). The second phase consists of an inventory with more than 16,000 OSTDSs in the Lake Jesup and Middle St. Johns River BMAPs. Both areas assessed existing wastewater capacity and infrastructure (including potential infrastructure upgrade and expansion options) and evaluated cost-effective project solutions, financing alternatives and potential rate and homeowner impacts. A grant funds this entire project through FDEP.

e.

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

Lift Station Renewal and Replacement Projects 2023/2024
Seminole County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2024	2024

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer who provided engineering services for the renewal and replacement of seven lift stations in Seminole County, including Wembley Park Heathrow Woods #2, Carrington Park, Howell Harbor, Garden Lakes #2, Mayfair Oaks, and Antigua Pointe.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Kerry Wulff, CBC	**Construction-Phase Services**	37	4

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Tampa, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Engineering Technology A.S., Mechanical Engineering	Certified Building Contractor - FL OSHA Certified No. 36-600715837

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Reclaimed GST and Pump Station
Haines City, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Construction manager for a 7.8 MGD transfer pump station with VFDs and a concrete wet well, a 3-MG prestressed concrete GST, a new 4.5 MGD reclaimed high-service pump station with VFDs, an off-site 1.1 MGD booster pump station, yard piping, electrical, I&C, and ancillary structures at the Haines City WWTF.

b.

(1) TITLE AND LOCATION *(City and State)*
Water and Reclaimed Water Program Management
Clearwater, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Construction manager for system-wide potable water and reclaimed water main assessment and replacement program. This program includes the conceptual routing, design, permitting, and CEI for pipeline improvements to renew critical infrastructure and the assessment and replacement methods necessary to minimize impacts on service and critical roadways.

c.

(1) TITLE AND LOCATION *(City and State)*
Wastewater Collection Sanitary Program
Clearwater, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Construction manager for the city's six-year sanitary program. The total program has allocated over $19 million for the professional services associated with the program. The program includes design, permitting, bidding, and construction oversight for point repairs and CIP repairs. The program also oversees the city's six continuing contractors, including a contractor for point repair, CCTV, manhole lining, gravity pipe lining, flow monitoring, and dying testing. The program also includes capital projects, such as sanitary sewer replacement, manhole replacement, lift station rehabilitation and replacement, septic-to-sewer projects, and other projects outlined in the city's master plan. Also serves as full-time RPR for approximately 90 sanitary sewer point repairs per year, averaging $6 million in construction costs.

d.

(1) TITLE AND LOCATION *(City and State)*
Ernie Caldwell Reclaimed Water Main Improvements - Phase II
Polk County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2022	2022

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Construction manager for the preliminary and final design, permitting, bidding, and CEI to complete a reclaimed water main loop in the ECB and US Highway 17/92 corridors. The project installed 10,300 feet of 20-inch reclaimed water main within the Ernie Caldwell Boulevard corridor extending from Posner Center to a future roadway connection with Ridgewood Lakes Phase 2. The project included considering a future alignment of a 20-inch potable water main and a 16- to 20-inch wastewater force main that will parallel the reclaimed water main.

e.

(1) TITLE AND LOCATION *(City and State)*
Southwest 6 and 7 Utility Expansion Project
Cape Coral, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2013	2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Construction manager who managed a team of RPRs to facilitate the expansion of the water, wastewater and irrigation systems consisting of 14 contracts including value engineering, hydraulic modeling for water, wastewater and irrigation systems, design, permitting, bidding, construction management, public outreach and SRF funding assistance. Oversaw the daily activities of contractors to make sure that compliance with the project specifications, schedule and permit requirements for several hundred miles of potable water, wastewater collection, wastewater transmission, irrigation utility piping; 18 lift stations, stormwater collection system modifications and roadway reconstruction, as well as a stormwater canal pumping station to supplement reclaimed water.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jeffrey Robitaille	**Inspector**	3	3

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Tampa, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
	30-hour OSHA Hazard Recognition Training for the Construction Industry 30-hour OSHA Hazard Recognition Training for the General Industry

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Water and Reclaimed Water Program Management
Clearwater, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Construction administration for system-wide potable water and reclaimed water main assessment and replacement program. This program includes the conceptual routing, design, permitting, and construction services for pipeline improvements to renew critical infrastructure and the assessment and replacement methods necessary to minimize impacts on service and critical roadways.

b.

(1) TITLE AND LOCATION *(City and State)*
Ernie Caldwell Reclaimed Water Main Improvements - Phase II
Polk County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2022	2022

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Construction administration for approximately 16,100 feet of reclaimed water main within the ECB corridor extending from west of Pine Tree Trail to US 17-92, and 4,300 feet of reclaimed water main within the US 17-92 corridor from ECB north to Sunny Acres Road.

c.

(1) TITLE AND LOCATION *(City and State)*
Secret Lake Park CEI Services
Casselberry, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Construction administration for the rehabilitation of Secret Lake Park. Improvements include a playground expansion; recreation center entryways, roof, and patio improvements; a new large pavilion; multi-purpose field improvements; boardwalk and fishing pier replacement; outdoor exercise stations; and accessibility, sidewalk, and parking improvements.

d.

(1) TITLE AND LOCATION *(City and State)*
Reclaimed GST and Pump Station
Haines City, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Construction administration for a 7.8 MGD transfer pump station with VFDs and a concrete wet well, a 3-MG prestressed concrete GST, a new 4.5 MGD reclaimed high-service pump station with VFDs, an off-site 1.1 MGD booster pump station, yard piping, electrical, I&C, and ancillary structures at the Haines City WWTF.

e.

(1) TITLE AND LOCATION *(City and State)*
Clearwater Water Distribution System Improvements
Clearwater, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Construction manager for the construction of water main replacements, upsizing, and relocations across 34 project areas in the Clearwater potable water distribution system. CHA completed the designs for the 34 areas in phases as survey information was received to fast-track design completion to facilitate construction without delay.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Charles Warren	**Inspector**	12	4

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Tampa, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

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

AWS Professional Development (40 Hours), NEC Level 2 Burg Technician , PEC Safety Certification, Polyethylene Pipe Certification F2620, Veriforce OQ Certified in Line Locates, Damage Prevention of Excavating and Backfill, Locate Buried Facilities, ROW Observation

19. RELEVANT PROJECTS

a.

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

Water and Reclaimed Water Program Management
Clearwater, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Construction inspector for a long-term, system-wide potable water and reclaimed water main assessment and replacement program. The city's vision is to complete a program where CHA will complete studies, design, RPR, and construction services for the following early projects: Loop various dead-end water and reclaimed water lines to enhance water quality; South Fort Harrison Avenue water mains replacement of 2,500 feet of 6- and 8-inch cast-iron pipe; SR-60 water main replacement of 10,700 feet of 20-inch concrete pipe; Drew Street water main replacement of 3,150 feet of 6-inch cast-iron pipe; Spring Creek water main replacement of aerial crossing at Betty Lane; Memorial Causeway reclaimed water main replacement of 8-inch cast-iron pipe; and additional hydraulic and water quality modeling.

b.

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

Pineda Causeway Water Transmission Main Design
Melbourne, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2022	2022

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Construction inspector for the installation of 39,800 feet of 16-inch water main with nine long, subaqueous directional drills that cross beneath the Indian River and Banana River. The Melbourne portion of the project comprises 20,400 feet of pipeline with five HDDs, and the Cocoa portion of the project comprises 19,400 feet of pipeline with four HDDs. The project replaced aging infrastructure, improved water quality, fireflow, and created redundancy for beachside residents.

c.

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

Basic Energy, Guitar Ranch Pipeline
Big Spring, TX

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2019	2019

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Main inspector for construction oversight on the pipeline. The project included work on a 14-inch polyethylene line, two I-20 road bores and two feeder roads. Responsible for ordering materials, designing risers, placing valves, and inspection on-site.

d.

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

Howard Energy, Permian Oil Gathering Lateral
Loving County, TX

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2016	2016

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Main inspector for construction oversight of the 6-inch steel line weld inspection.

e.

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

Lindsay SWD Booster Station
Loving County, TX

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2017	2017

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Main inspector for the installation of all piping at the station. Project included installing 8-inch polyethylene line, tying into existing lines and setting tanks.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Carl Erickson, SE, PE	**Lead Structural Engineer**	15	1

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Remote, US

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
M.S., Structural Engineering B.S., Civil Engineering	Professional Engineer - FL, DE, IL, IN, NY Structural Engineer - IL

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

19. RELEVANT PROJECTS

a.

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

Riner WTP Improvements
Dundee, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	TBD

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Structural engineer for improvements to the town's Riner WTP (built over 50 years ago). The plant will undergo improvements to receive up to 0.5 MGD of potable water from Winter Haven, including a new ground storage tank (GST), a third high-service pump, and a new air-conditioned control building. CHA is supporting the town with design, permitting, bidding, and construction administration for these upgrades.

b.

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

Urbana-Champaign Sanitary District, 2023 Improvements
Urbana, IL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	TBD

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Structural engineer for a large, combined structure to house two primary filters, a gravity thickener, wet well, and pump. The structure is primarily reinforced concrete with three small superstructures composed of brick and masonry. Responsible for the structural calculations, drawings, and specifications for the project.

c.

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

American Water, Air Scour Improvements
Streator, IL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	2024

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Structural engineer for qualifying and reinforcing existing concrete wall to support a pre-engineered metal building over a flocculation and sedimentation basin. An aluminum access platform was also included in the scope of this project. Responsible for the structural calculations, drawings, and specifications for the project.

d.

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

WWTP Improvements, Phase 1
Fort Atkinson, WI

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2020	2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Structural engineering for a screen room addition to the main control building, re-purposing an existing wet well as a basement, improving existing clarifiers for new or refurbished clarifier mechanisms, adding new tank walls, specifying an aluminum cover, and new tertiary filter building. Responsible for the structural calculations, drawings, and specifications for this project.

e.

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

American Water, High-Service Pump Station Replacement
Sterling, IL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2020	2021

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Structural engineer for foundations for the new high-service pump station and several well enclosure buildings. Responsible for the structural calculations, drawings, and specifications for the project.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Adrian Alfonso, PE	**Structural Engineer**	13	13

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Doral, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Civil Engineering	Professional Engineer - FL

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: **Upgrade of Pump Station 0300**, Miami-Dade County, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Structural engineer to rehabilitate and upgrade Pump Station 0300, an important booster facility that suffered a catastrophic disaster when a dresser coupling failed and flooded the station. CHA created a BDR and designed the upgrade of the pump station, which includes five 600 HP pumps, operating in a flow range of 7,000 to 31,000 gpm. The pumps collect sewage from a 72-inch influent pipe and discharge into a common header that joins a 48-inch force main. CHA performed several analyses of the existing conditions including hydraulic, mechanical, electrical, structural, and architectural to determine the various possibilities and implement the most practical and cost-effective solution.

b.

(1) TITLE AND LOCATION *(City and State)*: **PS A-24 Upgrade**, Fort Lauderdale, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2024; CONSTRUCTION *(if applicable)*: 2024

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Structural engineer for this project that included the design of a triplex submersible pump station with a 12-foot-diameter wet well, a 10-foot by 8-foot valve vault, and a rated point of 2,070 gpm at 121 feet TDH with three 56-HP pumps. This station included the design of a 150-kW generator with a 900-gallon sub-base tank and an odor control system. Additionally, the project included the design of 60 feet of 18-inch PVC gravity sewer, a flow meter, and 800 feet of 18-inch HDPE force main.

d.

(1) TITLE AND LOCATION *(City and State)*: **PS A-16 Upgrade**, Fort Lauderdale, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2022; CONSTRUCTION *(if applicable)*: 2022

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Structural engineer for his project that involved the design of a new duplex submersible pump station with a 12-foot-diameter wet well, a 6-foot by 6-foot valve vault, and a rated point of 750 gpm at 120 feet TDH with two 45-HP pumps. The project also included the design of a gravity sewer relocation that involved two new manholes and 200 feet of 18-inch PVC gravity sewer. Additionally, there was 1,200 feet of 12-inch HDPE force main and 900 feet of 30-inch HDPE water main, both installed via HDD under the Tarpon River along SE 3rd Avenue to relocate the existing force main and water main that would need to be abandoned-in-place due to the construction of the courthouse.

c.

(1) TITLE AND LOCATION *(City and State)*: **FDOT District 6, Golden Glades Multimodal Transportation Facility**, Various Counties, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018; CONSTRUCTION *(if applicable)*: 2022

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Project engineer for this design-build project to reconstruct a new park-and-ride facility at the Golden Glades Interchange. The project included the design of a wide range of miscellaneous structures, including 9 signal support structures using backplates and video cameras, over 800 feet of steel pedestrian canopies, 100-foot and 50-foot monument signs supported on drilled shaft foundations, a bus canopy consisting of a space frame, and median barrier wall-mounted swift gate for vehicular access control to the facility.

e.

(1) TITLE AND LOCATION *(City and State)*: **FDOT District 6, Reconstruction of SR 977/Krome Avenue (SW 232nd Street to South of SW 184th Street/Eureka Drive)** | Miami, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2020; CONSTRUCTION *(if applicable)*: 2020

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Structural engineer responsible for the design of bridges 871177 and 871178 over the C-102 Canal. The bridges were 69-foot, single-span using FIB-36 prestressed girders and pile-supported foundations at the abutments. Other responsibilities included the design of a cantilever retaining wall using 24-inch prestressed pile and pre-cast panels.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
John Sobczak, PE	**Structural Engineer**	**19**	**8**

15. FIRM NAME AND LOCATION *(City and State)*

Wekiva Engineering, LLC – Orlando, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

BS Mechanical Engineering, University of Central Florida, 2005
MS Structural Engineering, University of Central Florida, 2007

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Professional Engineer FL #71407

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

Mr. Sobczak is the Principal at Wekiva Engineering, LLC and has 19 years' experience working in the water and wastewater industry. His experience encompasses both structural and structural/geotechnical engineering. His experience focuses on the inspection, analyses, modeling, and design of environmental and municipal structures. He is also experienced in many computer aided design software such as STAAD, Robot, SAFE, Visual Slope, and Revit.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Lift Station No. 1 Improvements
City of Orlando, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2018	2021

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Mr. Sobczak was the Engineer-of-Record for the design of the lift station improvements include a new lift station designed to be installed as a caisson sunk into place since the site is relatively constrained and does not lend itself to traditional sheet and shored construction techniques. The lift station is surrounded by a single-story masonry building measuring approximately 4,500 SF. A masonry screen wall was also designed to encompass the site.

b.

(1) TITLE AND LOCATION *(City and State)*
EWRF Phase V Expansion
Orange County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2015	2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Structural Engineer & QA/QC – Assisted in the design of Expansion of the Eastern Water Reclamation Facility included the design of the following structures: Modifications to the Aeration Basins, Clarifiers, Headworks with solids unloading building, various splitter boxes, Chlorine Contact Chamber, Filters, and an Influent Pump Station.

c.

(1) TITLE AND LOCATION *(City and State)*
5.0 MGD MBR WRF
City of Vero Beach, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2020	Current

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Mr. Sobczak was the Engineer-of-Record for the design of the facility expansion which includes a new Influent PS, headworks, Process Basin, CCC, Dewatering Building, Electrical Buildings, Operations Building and Administration Building.

d.

(1) TITLE AND LOCATION *(City and State)*
Eustis Eastern WWTP Expansion
City of Eustis, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2015	2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Structural Engineer of Record – The facility expansion will increase the capacity from 0.3 MGD to 1.3 MGD. The expansion included myriad new cast-in-place concrete structures such as an influent screening structure, 100ft diameter process basin, 60ft diameter clarifier, and a chlorine contact chamber with transfer pump station. Other miscellaneous structures included a pre-engineered aluminum chemical storage canopy, single-story masonry electrical building and various site piping supports along with steel access stairs and platforms.

e.

(1) TITLE AND LOCATION *(City and State)*
Westport WWTF Nutrient Reduction Improvements
City of Port St. Lucie, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2021	Current

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Structural Engineer of Record – The design included a new addition to the Headworks to facilitate grit removal, new process basin and several new electrical/blower buildings.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
David Shook, PE	**Lead Electrical/I&C Engineer**	31	2

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Columbus, OH

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Electronic Engineering Technology	Professional Engineer - IN, ND, NY, OH, PA, TX, VA, WV

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

National Council of Examiners for Engineering & Surveying

19. RELEVANT PROJECTS

a.

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

Riner WTP Improvements
Dundee, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	TBD

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer for improvements to the town's Riner WTP (built over 50 years ago). The plant will undergo improvements to receive up to 0.5 MGD of potable water from Winter Haven, including a new ground storage tank (GST), a third high-service pump, and a new air-conditioned control building. CHA is supporting the town with design, permitting, bidding, and construction administration for these upgrades.

b.

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

Citizens Energy Group, LS 504 Electrical Upgrades
Indianapolis, IN

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer for designing and replacing the electrical service entrance, two motor control centers, associated distribution equipment, and four 500 HP 480V variable frequency drives controlling dry pit submersible lift pumps. This project included the design of the power and controls implementation, in addition to the development of temporary power, construction sequencing, and bypass pumping to maintain the station operational during equipment replacement. Sequencing of construction to maintain the lift station operation was conveyed through detailed design drawings and documentation.

c.

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

Citizens Energy Group, Edmondson Pump Station Electrical Design
Louisville, KY

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2024	2024

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer responsible for the design of upgrades to the electrical equipment.

d.

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

Warfleigh LS 508 Arc Flash Study
Indianapolis, IN

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer and project manager responsible for performing a power study using SKM PowerTools for the pumping station, which included medium- and low-voltage equipment.

e.

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

Lift Station Renewal and Replacement Projects 2023/2024
Seminole County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2024	2024

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer who provided engineering services for the renewal and replacement of seven lift stations in Seminole County, including Wembley Park Heathrow Woods #2, Carrington Park, Howell Harbor, Garden Lakes #2, Mayfair Oaks, and Antigua Pointe.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Eduardo Martinez, PE	**Electrical/I&C Engineer**	43	20

15. FIRM NAME AND LOCATION *(City and State)*

CHA Consulting, Inc.
Doral, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Electrical Engineering	Professional Engineer - FL

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

19. RELEVANT PROJECTS

a.

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

Design-Build Services for 11th Street Roadway Reconstruction (East Alton Road to West of Washington Avenue) | Miami Beach, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2018	2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer for the reconstruction of this roadway which was raised two feet on average, presented many challenges, such as harmonizing with each property owner along the corridor. Throughout this project, CHA coordinated directly with the city and all stakeholders, resulting in a superb design. This project eliminated flooding in the area and improved the lives of the residents. This project resulted from the impacts of sea level rise along 11th Street. Faced with the infamous “King Tide” and “sunny-day flooding,” the city embarked on a strategic plan to raise the roads well above flooding levels and to upgrade/install pump stations throughout the city.

b.

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

Washington Avenue Improvements, Phases II, VI and V
Miami Beach, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer responsible for preparing plans and specifications for the improvements that included milling and resurfacing, new gravity drainage wells, and sanitary sewer capacity improvements, including pipe/manhole up-sizing. The proposed improvements also included new catch basins, a new collection system and 28 gravity wells that work in addition to the existing system with several interconnects to maximize treatment and flood attenuation. Eduardo also provided office administration construction progress activities related to the construction of this ROW improvement project.

c.

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

Nautilus Neighborhood Improvements
Miami Beach, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer-of-record for the Nautilus Neighborhood project. Improvements included milling and resurfacing, new drainage, a new water main system betterment, and decorative lighting. This project was a design-build, in which CHA partnered with RICMAN International Construction.

d.

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

Lummus Neighborhood 7th and 8th Streetscape Improvements
Miami Beach, FL

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

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer-of-record assisting with this milling and resurfacing project. Improvements included signing and pavement markings, street lighting, and aesthetic enhancements (planting coconut palms on the sidewalk). All improvements fell under ADA and MOT compliance. The project also consisted of removing and replacing the existing curb and gutter and the sidewalk between 11th Street and 16th Street. The project also included improving the existing water main and drainage system. Stormwater pipe upsizing and drainage were incorporated into the drainage improvements.

e.

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

FDOT District 6, SR 25/Okeechobee Road Reconstruction
Hialeah, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2020	2020

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical/lighting engineer-of-record for the SR 25/Okeechobee Road reconstruction project using rigid pavement. Tasks included grade separation over NW 116th Way, the reconstruction of NW 116th Way (SR 5 to the entrance of Hialeah Gardens), the realignment and widening of the frontage road, pedestrian and bicycles facilities, nine new intersections (including evaluating existing ones), and ITS development per the master plan, including ADMS, CCTV, MVDS, and TTS.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Willard "Pete" Hoanshelt, PE	**Electrical/I&C Engineer**	40+	30

15. FIRM NAME AND LOCATION *(City and State)*

EMI Consulting Specialties, Inc.
Groveland, FL

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
B.S., Electrical Engineering	Professional Engineer - FL

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Collection System Pump Station 357 and Force Main Improvements
Pinellas County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2017	2020

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer for the hydraulic analysis, design, permitting, bidding, and construction services to disconnect the force main connection from pump station 357 and pump station 448, install new force mains connecting each pump station to the downstream larger force main, and design the necessary pump station upgrades to allow pump station 357 and the system to operate as intended.

b.

(1) TITLE AND LOCATION *(City and State)*
SK Keller Polyphosphate Building Process Upgrades
Pinellas County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2023	2023

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer for this project that included a new gravity and collection system for the building and new bathroom wastewater, replacing bulk chemical storage tanks, increasing to ~10,000-12,000 gallons of storage with two or three tanks, replacing day chemical tanks, replacing chemical metering pumps, replacing chemical feed piping, electrical and instrumentation upgrades, replacing the building's roof, hurricane hardening, installing new A/C, and converting to a lightning grounding system from the old microwave tower.

c.

(1) TITLE AND LOCATION *(City and State)*
Lake Marion WWTP
Kissimmee, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2016	2017

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer for this project that included the power and distribution of normal and emergency power to the wastewater facility motor, lighting, and miscellaneous loads. Also responsible for the computer-based data acquisition and monitoring system design with field analytical and process instrumentation, including telemetry.

d.

(1) TITLE AND LOCATION *(City and State)*
Western WTP
Orange County, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2015	2017

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer for this project that included the 5KV power and distribution of normal and emergency power to the water facility motor, lighting, and miscellaneous loads.

e.

(1) TITLE AND LOCATION *(City and State)*
RO WTP
Clearwater, FL

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2014	2015

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Electrical engineer for this project that included a computer-based data acquisition system using real-time data acquisition with a programmable logic controller (PLC) networked to a PC computer, monitor, and printers. The design included remote well field communications via a redundant ring fiber optic network with flow metering and level and analytical instrumentation.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Joseph D. Haber, P.G.	Hydrologic and Hydrogeologic Services	25	17

15. FIRM NAME AND LOCATION *(City and State)*
RESPEC, Fort Myers, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
BS, Environmental Science and Policy, University of South Florida (2000) MS, Hydrogeology, University of South Florida (2005)	Florida Professional Geologist – License No. PG2631

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
American Institute of Professional Geologists

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	City of Venice Production Wells Rehabilitation (Multiple Wells) (Venice, FL)	2015-2019	
a	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	[X] Check if project performed with current firm	

ROLE: Technical Oversight**. Description:** Served on different Teams to provide well contractor selection assistance and oversight of rehabilitation activities for the City of Venice's Production Wells RO-6E, RO-7E and RO-8W. An evaluation of several of the City of Venice's (City's) production wells indicated that the wells had lost significant capacity since their original construction in 2002 and 2003. The evaluation also indicated biofouling by sulfate-reducing bacteria in RO-6E. Rehabilitation activities included the mechanical brushing of the casing and portion of open-hole, airlift well development to remove the scrubbed debris from the bottom of the well, well stimulation using hydrochloric acid and additional well development to remove acidization residuals. The specific capacities of RO-6E, RO-7E, and RO-8W increased by 106% and 453%, and 50%, respectively **Cost:** $177,880

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	Sarasota County – Atlantic/Brentwood DIW Mechanical Integrity Testing and UIC Permit Renewal (Sarasota, FL)	2018	
b	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	[X] Check if project performed with current firm	

ROLE: Project Manager Description: Progressive Water Resources, LLC (PWR), a subsidiary of RESPEC, was the prime (and sole) consultant and was contracted to provide hydrogeologic services related to completion of Mechanical Integrity Testing (MIT) and preparation and submittal of an Underground Injection Control (UIC) Renewal Application for the Class I Atlantic/Brentwood Waste Reclamation Facility (WRF) IW-1. PWR provided services including but not limited to: preparation and submittal of the MIT Test Plan to FDEP UIC staff; development of technical specifications for MIT contractor selection; development of bid request documentation, well contractor selection; MIT field testing and performance oversight and documentation; development and submittal of MIT summary report to UIC staff; preparation and submittal of the UIC Renewal Application; and coordination with UIC and Sarasota County staffs **Cost:** $81,835

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	Braden River Utilities (BRU) – Reclaimed Water Aquifer Storage and Recovery Feasibility Evaluation and Permitting	Ongoing	
c.	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	[X] Check if project performed with current firm	

ROLE: Technical Lead Description: Mr. Haber served as the technical lead for hydrogeology, groundwater geochemistry, groundwater flow modeling, ArcGIS integration and other services this project. Braden River Utilities (BRU) is a large-scale non-potable water utility that provides irrigation water to a 47-square mile service area in Manatee and Sarasota Counties, Florida. BRU has contracts to receive up to 19 MGD of reclaimed water but to-date has relied upon surface facilities for storage. Due to the susceptibility of surface storage to seasonal and cyclical climatic conditions, PWR undertook Preliminary Feasibility Investigation to determine whether reclaimed water aquifer storage and recovery (RW ASR) has the potential to provide wet weather storage. PWR's feasibility investigation confirmed RW ASR is conceptually feasible. Upon completion, PWR assembled and led a team that completed ASR System Design and developed and submitted permit applications to the FDEP. All efforts to-date have been completed on budget and on time. The permit application process is ongoing. **Cost:** 506,500

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	Sarasota County's Venice Gardens No. 1A and 2 Deep Injection Wells – Mechanical Integrity Testing (MIT) and System Plugging and Abandonment	Ongoing	
d.	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	[X] Check if project performed with current firm	

ROLE: Project Manager and Principal Hydrogeologist Description: Joe served as Project Manager and Principal Hydrogeologist for all phases of the Venice Gardens projects, including the MIT at the County's Venice Gardens Water Reclamation Facility Deep Injection Well (DIW) No. 2 in 2014 and the County's Venice Gardens Water Treatment Facility DIW No. 1A in 2016. Additionally, Joe and his team were contracted to permit and oversee the completion of the plugging and abandonment of the Venice Gardens Class I DIW No. 1 (IW-1) and its associated dual-zone monitor well(s) (DZMW), MW-1A and MW-1B, located at the Venice Gardens Reverse Osmosis Water Treatment Facility (RO WTF). This included the closure of the underground RO reject line to the well, and the reconnection of the RO reject line to the County's IW-1A DIW. Joe oversaw tasks, including developing and submitting an MIT Test Plan for the Florida Department of Environmental Protection (FDEP) approval and Plugging and Abandonment Plan and Permit application to UIC staff. Joe led the development of technical specifications for the tests, project scheduling and coordination, hydrogeological and field-testing services oversight, and development and submittal of the data and results of the MIT Report to the County and FDEP UIC. Both tests were deemed successful.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
David J. Brown, P.G.	Hydrologic and Hydrogeologic Services	41	18

15. FIRM NAME AND LOCATION *(City and State)*
RESPEC, Fort Myers, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
BS, Geology, University of Florida (1983)	Florida Professional Geologist – License No. PG566

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
American Institute of Professional Geologists; Southeastern Geological Society; Florida Association of Water Quality Control; Everglades Geological Society

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	SWFWMD – Silver Springs Groundwater Modeling Peer Review and Technical Advisory Committee (Brooksville, FL)	2016	
a	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	[X] Check if project performed with current firm	

ROLE: Technical Advisory Committee (TAC). Mr. Brown served as a member of the Technical Advisory Committee (TAC) and the peer review panel to provide expert testimonial, non-testimonial, and related hydrogeologic consulting services to the Southwest Florida Water Management District's (SWFWMD) Office of General Counsel in relation to evaluation of groundwater pumping impacts upon Silver Springs. PWR's efforts include assisting with peer review of the groundwater flow model simulations and various data analyses to determine whether each is scientifically and technically reasonable and can simulate the impacts of groundwater pumping on Silver Springs' flow. The project was completed on time and on budget. **Cost:** $50,000

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	SWFWMD – FARMS Expansions in the Most Impacted Area (Tampa, FL)	2017	
b	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	[X] Check if project performed with current firm	

ROLE: Project Manager Description:**.** RESPEC was retained to assist the Southwest Florida Water Management District (SWFWMD/District) with marketing their Facilitating Agricultural Resource Management Systems (FARMS) program to agricultural water use permittees. The objective of the project was to increase participation in the FARMS Program by growers located within the Most Impacted Area (MIA) of the Southern Water Use Caution Area (SWUCA). Increased participation in the FARMS Program has been identified as one method of working toward achieving the SWFWMD's SWUCA (MFL) Recovery Strategy and Saltwater Intrusion Minimum Aquifer Level (SWIMAL) goals by the year 2025.

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	Beach Terrace Association's Deep Injection Well (Sarasota, FL)	2022	
c.	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	[X] Check if project performed with current firm	

ROLE: Technical Advisor Description: David assisted in designing, permitting, and constructing an upper Floridan Aquifer deep injection well in Siesta Key. He was involved with various efforts, including project planning; state, regional, and local permitting; cost estimation; geophysical logging; creating a detailed Request for Proposal for Well Drilling Contractors; interviewing Respondents; and providing recommendations to the client.

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	Braden River Utilities (BRU) – Reclaimed Water Aquifer Storage and Recovery Feasibility Evaluation and Permitting	Ongoing	
d.	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE	[X] Check if project performed with current firm	

ROLE: Technical Lead Description: Mr. Haber served as the technical lead for hydrogeology, groundwater geochemistry, groundwater flow modeling, ArcGIS integration and other services this project. Braden River Utilities (BRU) is a large-scale non-potable water utility that provides irrigation water to a 47-square mile service area in Manatee and Sarasota Counties, Florida. BRU has contracts to receive up to 19 MGD of reclaimed water but to-date has relied upon surface facilities for storage. Due to the susceptibility of surface storage to seasonal and cyclical climatic conditions, PWR undertook Preliminary Feasibility Investigation to determine whether reclaimed water aquifer storage and recovery (RW ASR) has the potential to provide wet weather storage. PWR's feasibility investigation confirmed RW ASR is conceptually feasible. Upon completion, PWR assembled and led a team that completed ASR System Design and developed and submitted permit applications to the FDEP. All efforts to-date have been completed on budget and on time. The permit application process is ongoing.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Michael W. Patterson, PSM	Senior Surveyor	24	8

15. FIRM NAME AND LOCATION (*City and State*)
ECHO UES, Inc. - Tampa, FL

16. EDUCATION (*Degree and Specialization*)	17. CURRENT PROFESSIONAL REGISTRATION (*State and Discipline*)
B.S., Surveying, Pennsylvania State University, 2001	Florida Professional Surveyor & Mapper – LS 6560

18. OTHER PROFESSIONAL QUALIFICATIONS (*Publications, Organizations, Training, Awards, etc.*)
Florida Surveying and Mapping Society

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Proctor Rd. from Honore Ave. to E. of Cattlemen Rd., Sarasota County, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2022 - 2023 | CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

This project consisted of design services to construct a new water main along Proctor Road from the County's existing water booster station 5 at Cattlemen Road to Honore Avenue in Sarasota County. ECHO's professional services were requested to provide survey and subsurface utility engineering services for the location of existing underground utilities for the length of the water main route on both the north and south sides of the right-of-way. Mr. Patterson served as the Survey Lead.

b.

(1) TITLE AND LOCATION *(City and State)*: North Port Watermain Wastewater Treatment Plant, North Port, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2023 | CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

This project consisted of infrastructure improvements to the North Port Watermain WWTP located on City of North Port owned systems. ECHO's professional services were requested to create utility maps and limited topographic surveys within the project site. Mr. Patterson served as Senior Surveyor.

c.

(1) TITLE AND LOCATION *(City and State)*: Golfview Flooding Relief Project, Tampa, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2023 - Current | CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

This project consists of installing a storm sewer system and waterline replacement to alleviate flooding in the Golfview neighborhood in Tampa. ECHO currently provides survey, subsurface utility engineering, and utility coordination services for this project. Mr. Patterson serves as Senior Surveyor.

d.

(1) TITLE AND LOCATION *(City and State)*: East Port WRF Improvements, Charlotte County, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2021 | CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

This project consisted of utility investigation services for future improvements to the East Port Water Reclamation Facility in Charlotte County. ECHO provided survey and subsurface utility engineering services including the identification and verification of utilities along with their characteristics (type, size, material, etc.). Mr. Patterson served as Senior Surveyor.

e.

(1) TITLE AND LOCATION *(City and State)*: North Port Watermain Replacement and Improvements, North Port, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2022 | CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

This project consisted of infrastructure improvements to a watermain located on City of North Port owned systems. ECHO's professional services were requested to create utility maps and limited topographic surveys within the project site. Mr. Patterson served as Senior Surveyor.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jeraldo 'Jerry' Comellas, Jr., PE	SUE Lead	39	8

15. FIRM NAME AND LOCATION (*City and State*)
ECHO UES, Inc. - Tampa, FL

16. EDUCATION (*Degree and Specialization*)	17. CURRENT PROFESSIONAL REGISTRATION (*State and Discipline*)
B.S., Civil Engineering, University of South Florida, 1986	- Professional Engineer (PE) – Florida - #45838 - Professional Engineer (PE) – Mississippi - #27049 - Professional Engineer (PE) – Louisiana - #41310

18. OTHER PROFESSIONAL QUALIFICATIONS (*Publications, Organizations, Training, Awards, etc.*)
Florida Engineering Society, American Society of Civil Engineers, American Society of Highway Engineers, Society of Hispanic Professional Engineers

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
North Port Watermain Replacement and Improvements, North Port, FL	2022	

(3) BRIEF DESCRIPTION *(Brief scope size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

This project consisted of infrastructure improvements to a watermain located on City of North Port owned systems. ECHO's professional services were requested to create utility maps and limited topographic surveys within the project site. Mr. Comellas served as the SUE Lead.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Proctor Rd. from Honore Ave. to E. of Cattlemen Rd., Sarasota County, FL	2022 - 2023	

(3) BRIEF DESCRIPTION *(Brief scope size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

This project consisted of design services to construct a new water main along Proctor Road from the County's existing water booster station 5 at Cattlemen Road to Honore Avenue in Sarasota County. ECHO's professional services were requested to provide survey and subsurface utility engineering services for the location of existing underground utilities for the length of the water main route on both the north and south sides of the right-of-way. Mr. Comellas served as the SUE Lead.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
East Port WRF Improvements, Charlotte County, FL	2021	

(3) BRIEF DESCRIPTION *(Brief scope size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

This project consisted of utility investigation services for future improvements to the East Port Water Reclamation Facility in Charlotte County. ECHO provided survey and subsurface utility engineering services including the identification and verification of utilities along with their characteristics (type, size, material, etc.). Mr. Comellas served as SUE Lead.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
North Port Watermain Wastewater Treatment Plant, North Port, FL	2023	

(3) BRIEF DESCRIPTION *(Brief scope size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

This project consisted of infrastructure improvements to the North Port Watermain WWTP located on City of North Port owned systems. ECHO's professional services were requested to create utility maps and limited topographic surveys within the project site. Mr. Comellas served as the SUE Lead.

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Golfview Flooding Relief Project, Tampa, FL	2023 - Current	

(3) BRIEF DESCRIPTION *(Brief scope size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

This project consists of installing a storm sewer system and waterline replacement to alleviate flooding in the Golfview neighborhood in Tampa. ECHO currently provides survey, subsurface utility engineering, and utility coordination services for this project. Mr. Comellas serves as the SUE Lead.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Kenneth L. Symonds, P.E.	Senior Geotechnical Engineer	25	11

15. FIRM NAME AND LOCATION *(City and State)*

TIERRA, INC., Winter Garden, Florida

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
B.S., Environmental Engineering / Geotechnical Engineering	Professional Engineer, Florida No. 59518

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

American Society of Civil Engineers

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
OUC Water Main Replacement
Orlando Utilities Commission
Orlando, Orange County, Florida

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2020	On-Going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Geotechnical Engineer of Record for water main replacement project in downtown Orlando. The project consists of replacing water mains along portions of North Garland Avenue, West Washington Avenue, East Pine Street, South Hughey Street and South Division Street. Limits of the project include portions along the surface streets in which Under-I Park will be constructed.

b.

(1) TITLE AND LOCATION *(City and State)*
TOHO Water Main Extension
Jack Calhoun Drive & Hoagland Boulevard
Osceola County, Florida

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2023	On-Going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Geotechnical Engineer of Record for water main replacement project in Kissimmee, Florida. The project consists of the design and construction of approximately 9,600 LF of a new 16-inch water main to service existing communities in south Kissimmee, Florida.

c

(1) TITLE AND LOCATION *(City and State)*
Summerlin Avenue Water Main Replacement Project
North Summerlin Avenue to Cherokee Drive
Orlando, Orange County, Florida

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2020	On-Going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Geotechnical Engineer of Record for water main replacement project for the City of Orlando. The project consists of replacing a portion of an aging 20-inch OUC water main extending along Summerlin Avenue from Marks Street to South Street; Summerlin Avenue from East Anderson Street to Cherokee Drive; Cherokee Drive from Summerlin Avenue to Delaney Avenue; and along Delaney Avenue from Cherokee Drive to Annie Street.

d.

(1) TITLE AND LOCATION *(City and State)*
Tavares Seaplane Base
City of Tavares
Lake County, Florida

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2018 - 2019	2022

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Geotechnical Engineer of Record for improvements consisting of the redevelopment/reconstruction of various docks and Marine structures located at Wooton Park on the shoreline of Lake Dora. Improvements are to include marine dock structures, parking areas, seating areas, covered patio structures, floating stage, open grass yards, pavilions, security gate, and a boat shop.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jeremy A. Sewell, P.E.	Senior Geotechnical Engineer	24	11

15. FIRM NAME AND LOCATION *(City and State)*

TIERRA, INC., Winter Garden, Florida

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
B.S., Civil Engineering / Geotechnical Engineering	Professional Engineer, Florida No. 62951

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

American Society of Civil Engineers
American Society of Highway Engineers

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
City of Titusville Fleet Service Station Upgrades
City of Titusville, Brevard County, Florida

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2023	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Provided Geotechnical QA/QC for the project which consisted of upgrades to the existing fleet station including replacing the existing fleet fuel station with a new 7,000 gallon above ground diesel storage tank, 7,000 gallon above ground gasoline storage tank, and 2,000 gallon DEF tank. Improvements also consisted of new canopies, dispenser islands and asphalt and concrete paving.

b.

(1) TITLE AND LOCATION *(City and State)*
CR 452 Safety Improvements
From CR 44 to the Lake/Marion County Line
Lake County, Florida

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2020 - 2021	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Geotechnical Engineer of Record for safety improvements project including the addition of paved shoulders with safety edge treatment, roadway resurfacing, and traffic signal upgrades.

c

(1) TITLE AND LOCATION *(City and State)*
Sligh Boulevard from Sturtevant Street to Columbia Street, and Columbia Street from Division Avenue to Orange Avenue
City of Orlando, Orange County, Florida

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2013 - 2022	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Geotechnical Engineer of Record. The project consists of reconstructing the existing Sligh Boulevard alignment from an undivided two-lane urban section to three lanes to accommodate a single dedicated bus lane with new bus shelter. Improvements also include reconstructing and widening Columbia Street to include on-street parking, replacement of Railroad Quadgates along Columbia Street and signal pole improvements at Columbia Street and Orange Avenue.

d.

(1) TITLE AND LOCATION *(City and State)*
Dillard Street Reconstruction from West of Colonial Drive to Plant Street
City of Winter Garden
Orange County, Florida

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
2018 - 2019	N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Geotechnical Engineer of Record for improvements including reconstruction of the existing Dillard Street alignment from and undivided five-lane urban section to an undivided three-lane urban section with a two-way center lane, multi-use trail and streetscape improvements.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Valerie Cuidad-Real	Senior Community Outreach Specialist	33	18

15. FIRM NAME AND LOCATION *(City and State)*
The Valerin Group, Inc. | Tampa, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
High School Diploma and Some College Coursework	N/A

18. OTHER PROFESSIONAL QUALIFICATIONS ***(Publications, Organizations, Training, Awards, etc.)***
During her 33-year career, Valerie has developed and implemented public participation programs, communication plans, and safety campaign initiatives for public sector clients, including expressway authorities, municipalities, and counties, including the City of St. Petersburg. In addition, she leads Valerin's QA/QC program. Valerie's leadership and commitment to excellence guide the Valerin team to perform to the highest standards on behalf of their clients.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
44th Avenue East Extension – 45th Street Roadway Improvements from SR 70 (53rd Avenue East) to 44th Avenue East (Bradenton, FL)	2020	2020

(3) BRIEF DESCRIPTION ***(Brief scope, size, cost, etc.)*** **AND SPECIFIC ROLE** ☒ Check if project performed with current firm

This roadway improvements project consisted of the widening of a 1.05-mile segment of 45th Street from SR 70 (53rd Avenue East) to 44th Avenue East from a two-lane roadway to a four-lane, including turn lanes, sidewalks, bicycle lanes, bridge widening, roadway lighting and signalization, and construction of a wastewater collection/transmission consisting of eight-inch gravity pipes, eight-inch force main, two-inch force main, and manhole. Valerie served as the communications manager overseeing public engagement and outreach tasks, assigned Valerin staff, and ensured the project website is kept up to date. She also coordinated with Manatee County staff regarding public outreach efforts.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Bayshore Boulevard Wastewater Pump Station Improvements (Tampa, FL)	Ongoing	Ongoing

(3) BRIEF DESCRIPTION ***(Brief scope, size, cost, etc.)*** **AND SPECIFIC ROLE** ☒ Check if project performed with current firm

The aging Bayshore Boulevard pumping station has undergone numerous improvements since it was originally put into service in 1955. It has reached the end of its design and useful life and needs to be replaced. The new modernized pump station will provide redundancy as well as meet Tampa's resiliency and sustainability goals. As the communications manager, Valerie is responsible for overseeing assigned Valerin staff and activities associated with the project. She also performs the QC/review of collateral materials developed by Valerin.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
South County Potable Water In-Line Booster Pump Station Design-Build (Riverview, FL)	2021	2021

(3) BRIEF DESCRIPTION ***(Brief scope, size, cost, etc.)*** **AND SPECIFIC ROLE** ☒ Check if project performed with current firm

This $25M design-build project replaced the headworks and grit removal structures that had reached the end of their useful life. The new structures provide more efficient treatment of influent wastewater flows and the new odor control system will mitigate odors from the wastewater screening and grit removal process. Valerin provides public outreach for the project on behalf of Pinellas County Utilities, including website content and regular updates, social media posts, public workshop coordination, and milestone notifications to the neighboring communities. Valerie served as the community outreach manager, overseeing public involvement activities including development and distribution of project notifications, fact sheet and press releases; coordinating and attending public meetings; and providing oversight of community outreach activities.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
FY19 CIP Water Main Improvements Design-Build (Tampa, FL)	2021	2021

(3) BRIEF DESCRIPTION ***(Brief scope, size, cost, etc.)*** **AND SPECIFIC ROLE** ☒ Check if project performed with current firm

This project is part of the CIP and consisted of the design and construction of approximately 102,500 linear feet of potable water distribution pipe and appurtenances for various non-contiguous water main replacement projects throughout the central portion of the CITY's water service area. Valerie served as the communications manager and provided oversight as well as performed outreach activities to include coordination of public meetings, conducting door-to-door meetings with property owners, monitoring a 24/7 project hotline, developing content for the project website and mobile app, preparing and distributing notifications, flyers, door hangers and press releases and providing the City with project information for posting to the City's website and social media platforms.

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
SR 684 (Cortez Road) Bridge Utility Relocation, Manatee County, Manatee County, FL (Bradenton Beach)	Ongoing	Ongoing

(3) BRIEF DESCRIPTION ***(Brief scope, size, cost, etc.)*** **AND SPECIFIC ROLE** ☒ Check if project performed with current firm

Valerie serves as the communications manager for this project which includes relocating the SR 684 (Cortez Road) water main and force main intracoastal crossing. The project consists of relocating the 24-inch water main and 20-inch force main to the south side of the existing Cortez Bridge, in preparation for a new bridge to be constructed by FDOT. The proposed Cortez Bridge Construction Project requires the existing water main and force main to be relocated due to the proposed bridge alignment. Relocation activities will take place before the construction of the new bridge. Valerie oversees public engagement and outreach tasks, assigns Valerin staff, and ensures the project website is kept up to date.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Tiffani McClain	Senior Community Outreach Specialist	17	2

15. FIRM NAME AND LOCATION ***(City and State)***
The Valerin Group, Inc. | Tampa, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
BA, Communications, Florida Atlantic University	ADA Compliance Certificate

18. OTHER PROFESSIONAL QUALIFICATIONS ***(Publications, Organizations, Training, Awards, etc.)***
Tiffani has 17 years of diverse marketing, public relations, community outreach, and social media management experience. As a communications professional, Tiffani has developed and implemented strategic communication plans for both private and public-sector clients, including digital and social media, community engagement, and community outreach. Tiffani supports numerous community and stakeholder communications efforts through survey initiatives and develops social media content appropriate to the client's respective platforms. In addition to content and audience development, she works with clients in a collaborative manner to manage communications logistics such as audience and demographic research, subscription and contact data, and event/social media calendars.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Colony Cove Pipeline Replacement Plan and Phase 1 Replacements (Ellenton, FL)	Ongoing	Ongoing

(3) BRIEF DESCRIPTION ***(Brief scope, size, cost, etc.)*** **AND SPECIFIC ROLE** ☒ Check if project performed with current firm

The Manatee County Public Works Department is starting design work for a new wastewater collection system to replace the existing sewer system within Colony Cove. Phase 1 construction activities include installation of a new lift station, sanitary sewer manholes, sewer mains and lateral pipelines to individual residences. The new wastewater collection system will eliminate the intrusion of stormwater and groundwater into the system, which is occurring in the existing system. A new potable water system will be installed at the same time the County's wastewater collection system is being constructed. Tiffani is serving as the communications specialist.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Northeast Wastewater Reclamation Facility (NEWRF) (St. Petersburg, FL)	2023	2023

(3) BRIEF DESCRIPTION ***(Brief scope, size, cost, etc.)*** **AND SPECIFIC ROLE** ☒ Check if project performed with current firm

The NEWRF provides essential wastewater and reclaimed water services for the Northeast Service Area. The improvements at the NEWRF will not only improve safety, maintenance and operations, but also enhance reliability, resiliency and sustainability for the facility and the community. Tiffani coordinated and attended the public meeting; assisted with PowerPoint development; and compiled the public meeting summary for the Envision scoring.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Bayshore Boulevard Wastewater Pump Station Improvements (Tampa, FL)	Ongoing	Ongoing

(3) BRIEF DESCRIPTION ***(Brief scope, size, cost, etc.)*** **AND SPECIFIC ROLE** ☒ Check if project performed with current firm

The aging Bayshore Boulevard pumping station has undergone numerous improvements since it was originally put into service in 1955. It has reached the end of its design and useful life and needs to be replaced. The new modernized pump station will provide redundancy as well as meet Tampa's resiliency and sustainability goals. Tiffani serves as a community outreach specialist. Some of her responsibilities include creating content for collateral and social media, researching information for the Public Engagement Plan, and coordinating neighborhood notifications and distribution.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Downtown Watermain Replacement (St. Petersburg, FL)	Ongoing	Ongoing

(3) BRIEF DESCRIPTION ***(Brief scope, size, cost, etc.)*** **AND SPECIFIC ROLE** ☒ Check if project performed with current firm

The downtown area of St. Petersburg is supplied by water through a network of approximately 220,000 linear feet of potable watermains throughout the downtown area, between 7th Avenue South and 7th Avenue North and east of 16th Street to the bay. It is the oldest area of the distribution system with a significant amount of two to 12-inch Cast Iron Pipe (CIP). Some of the old CIP has reached the end of its anticipated useful life and needs to be replaced. St. Petersburg has already begun to prioritize the downtown watermain replacement areas based on the soil corrosivity, watermains age, pipes material and condition, and downtown hydraulic and capacity reports. Valerin is responsible for the public and community involvement which includes a public meeting, handouts, graphics, displays, and other materials as needed. Tiffani is leading the public and community involvement for this project.

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Gulf Beach Water Booster Station Improvement (St. Pete Beach, FL)	Ongoing	Ongoing

(3) BRIEF DESCRIPTION ***(Brief scope, size, cost, etc.)*** **AND SPECIFIC ROLE** ☒ Check if project performed with current firm

Pinellas County Utilities (PCU) is designing improvements to the Gulf Beach Water Booster Station (GBWBS) in St. Pete Beach. The project will replace the existing drinking water booster station with a new booster station that will improve service reliability to residents and meet current industry and operational standards. This includes constructing a new two-story building with critical electrical components on the second floor and a waterproof pump room to reduce the facility's susceptibility to storm-related flooding and anticipated sea level rise. As the public and community engagement lead, Tiffani is working with the County for the public meeting open house, project collateral, social media content, and project website content.

TAB 4

PROFICIENCY WITH SIMILAR SERVICES/ PROJECTS

4. PROFICIENCY WITH SIMILAR SERVICES/PROJECTS

RELATED FLORIDA MUNICIPAL UTILITY WORK

The table below shows a sample of some of our clients in Florida where we are providing similar work that is expected under this contract.

CLIENT	DESIGN/CONSTRUCTION			PERMITTING	FUNDING SUPPORT	MASTER PLANNING/ MODELING
	WATER TREATMENT	WASTEWATER TREATMENT	PIPELINE/ PUMP STATION			
Brevard County	●		●	●		●
City of Altamonte Springs		●	●	●		●
City of Apopka		●	●	●	●	●
City of Casselberry	●	●	●	●		●
City of Clearwater	●	●	●	●	●	●
City of Davenport		●	●	●		●
City of Eustis		●		●	●	
City of Fort Lauderdale	●	●	●	●		●
City of Haines City		●	●	●	●	●
City of Lakeland	●	●	●	●		●
City of Largo		●	●	●		●
City of Melbourne	●	●	●	●	●	●
City of Mount Dora			●	●		●
City of Ocoee	●	●	●	●		●
City of Orange City			●	●	●	●
City of Orlando		●	●	●		●
City of Ormond Beach	●		●	●		●
City of Oviedo	●	●	●	●		●
City of New Port Richey		●	●	●		●
City of Port St. Lucie	●	●	●	●	●	●
City of Sanford	●	●	●	●	●	●
City of St. Cloud	●	●	●	●		●
City of St. Petersburg	●	●	●	●		●
City of Tampa	●	●	●	●		●
City of Titusville	●		●	●		●
City of Vero Beach	●	●		●	●	●
City of Winter Haven	●	●	●	●		●
Orange County Utilities	●	●	●	●		●
Orlando Utilities Commission	●		●			●
Pinellas County	●	●	●	●		●
Polk County	●	●	●	●		●
Seminole County	●	●	●	●	●	●
SSNOCWTA		●	●	●	●	●
Tampa Bay Water	●		●	●		●
Volusia County	●	●	●	●		●

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.)

20. EXAMPLE PROJECT KEY NUMBER: 1

21. TITLE AND LOCATION (City and State)

Water and Reclaimed Water Program Management
Clearwater, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
Ongoing	Varies per Project

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Clearwater	Andrija Selak	(727) 543-0228

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The City of Clearwater owns and maintains potable water and reclaimed water distribution systems. The potable water system includes three WTPs (two reverse osmosis [RO]) and ~620 miles of pipe, ranging from 4- to 24-inch-diameter. The reclaimed water system includes three WRFs, four high-service pump stations, and ~130 miles of pipe, ranging from 4- to 30-inch-diameter. The city has embarked on a long-term, system-wide potable water and reclaimed water program that includes the conceptual routing, design, permitting, and construction services for pipeline improvements that are in keeping with the big-picture goal of renewing critical infrastructure and the assessment and replacement methods to minimize impacts to service and critical roadways. The city's vision is to complete a program where CHA will complete studies, design, resident project representative (RPR), and construction services for the following projects:

- Program management and as-needed utility engineering services
- Specifications, details, and continuing contractor assistance
- Fort Harrison Avenue water main hydraulic modeling evaluation
- SR 60 water main hydraulic modeling evaluation
- Reclaimed water quality investigations and GST evaluations
- Pipe inspection technology evaluation
- System-wide potable water main leak detection, technology evaluation, and bidding support
- Drew Street water main assessment of 3,150 feet of 8-inch pipe
- Spring Creek water main replacement of aerial crossing
- Memorial Causeway reclaimed water mains replacement of 8-inch cast iron pipe
- Various water and reclaimed water main and valve replacements
- Perform additional hydraulic and water quality modeling
- Complete pipeline assessments to prioritize and determine the amount of pipe to replace
- Reclaimed water main looping at Drew Street, Martin Luther King, Jr. Avenue, Druid Road, and Memorial Causeway (total ~5,200 feet) of various-sized reclaimed water main
- Various potable water piping replacement, relocation, looping, upsizing, and abandonment projects (total ~23,200 feet) at 35 locations throughout the city based on priority projects identified
- Imagine Clearwater water main conflict as-needed hydraulic modeling and design

The six-year program is currently underway and will replace a significant amount of the city's potable water and reclaimed water piping system.

RELEVANCE TO SCOPE

- ✓ Hydraulic modeling and water quality modeling
- ✓ Pipeline design
- ✓ Condition assessment
- ✓ Regulatory compliance/ permitting
- ✓ CEI/RPR services

COST

CHA Fee: Varies per project (Program limit: $8.675M over 6 years)

Construction Cost: Varies per project

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	CHA Consulting, Inc.	Tampa, FL	Prime
b.	ECHO UES, Inc.	Tampa, FL	Subconsultant - Survey/SUE
c.	EMI Consulting Specialties, Inc.	Groveland, FL	Subconsultant - Electrical/I&C
d.	Wekiva Engineering, LLC	Winter Park, FL	Subconsultant - Structural

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 on Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER 2

21. TITLE AND LOCATION (City and State)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
Pineda Causeway Water Transmission Main Design Melbourne, FL	2022	2022

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Melbourne	Jennifer Spagnoli, PE	(321) 608-5000

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The City of Melbourne's water distribution system includes two water main crossings from the mainland, across the Intracoastal waterway (Indian River Lagoon), to the barrier island "beach-side" of the system, providing potable water services to beach-side customers. The increasing age of the existing pipeline crossings raised concerns regarding water transmission redundancy and reliability. Studies indicated the best location for a third water main crossing was at the northern extremity of the distribution system near Pineda Causeway, "looping" the north ends of the system to improve water quality and provide operational flexibility and reliability.

The City of Cocoa, located to the north of Melbourne, had similar concerns regarding the redundancy and reliability at the southernmost portion of their distribution system, which is also near Pineda Causeway and feeds water to the Patrick Space Force Base and other customers on the barrier island. The City of Cocoa entered into a Joint Project Agreement (JPA) with the City of Melbourne to have CHA complete permitting and design of an additional water main crossing to tie into the City of Cocoa's water distribution system within the same Pineda Causeway corridor as the City of Melbourne's pipeline.

This project includes 39,800 feet of 16-inch water main with nine long, subaqueous directional drills that will cross beneath the Indian River and Banana River. The Melbourne portion of the project is comprised of 20,400 feet of pipeline with five horizontal directional drills, and the Cocoa portion of the project is comprised of 19,400 feet of pipeline with four horizontal directional drills. Pipe materials of construction will be a combination of fusible PVC, HDPE, and ductile iron. Once completed, this project will provide improved reliability of potable water flows, pressures, and quality to residences, businesses, and a Space Force Base along a 40-mile stretch of Brevard County's barrier island south of Cape Canaveral.

RELEVANCE TO SCOPE

- ✓ Preliminary and final design of potable water transmission main
- ✓ Permitting
- ✓ Cross-coordination with FDEP, USACE, and FDOT
- ✓ Bidding assistance
- ✓ Construction-phase services

COST

CHA Fee: $2,084,846 (Design)
$1,689,982 (CEI Services)

Construction Cost: ~$22.5M

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	CHA Consulting, Inc.	Melbourne, FL	Prime
b.			

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.)

20. EXAMPLE PROJECT KEY NUMBER: **3**

21. TITLE AND LOCATION (City and State)

6.0 MGD WWTP Expansion
Haines City, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
Ongoing (Est. 2027)	Ongoing (Est. 2027)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Haines City	James Keene	(863) 421-9951 ext. 5954

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

CHA is currently providing design, permitting, and construction-phase services for the City of Haines City's WWTP expansion project. In 2020, the city identified that expansion would be necessary to comply with regulatory requirements related to total nitrogen (TN) and total phosphorous (TP) effluent limits within the Lake Okeechobee BMAP, as well as to meet the significant population growth demands the Haines City region has been experiencing in recent years. This expansion will help alleviate current key constraints at the facility, which is limited by the on-site rapid infiltration basin (RIB).

The process improvements include a new headworks structure with new screening and grit removal equipment; the conversion of two existing oxidations ditches to an equalization basin; new 6.0 MGD five-stage biological treatment system; RAS/WAS pumping capacity improvements; the rehabilitation and replacement of existing gas chlorination feed equipment and monitoring equipment; solids handling improvements; civil, site, and stormwater upgrades to support the new process and systems; a hazardous waste assessment for demolishing the existing headworks; and electrical/SCADA system upgrades.

RELEVANCE TO SCOPE

- ✓ Wastewater treatment facility design
- ✓ Permitting
- ✓ Construction-phase services

COST

CHA Fee: $5.2M

Construction Cost: ~$44.6M (Est.)

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	CHA Consulting, Inc.	Tampa, FL	Prime
b.	EMI Consulting Specialties, Inc.	Groveland, FL	Subconsultant - Electrical/I&C
c.	Wekiva Engineering, LLC	Winter Park, FL	Subconsultant - Structural

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 on Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER
	4

21. TITLE AND LOCATION (City and State)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
Wekiva Septic-to-Sewer Conversion Seminole County, FL	2021	N/A

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Seminole County, FL	Kim Ornberg, PE	(407) 665-2417

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

FDEP requires the development of remediation plans to identify "cost-effective and financially feasible projects" to reduce nutrient impacts associated with on-site sewage treatment and disposal systems (OSTDS). To accelerate the development of the information essential to implementing an effective plan, FDEP will make grants available to all nine counties to perform wastewater treatment feasibility analyses. The document prepared under this grant will also position local government wastewater projects for potential financial assistance from FDEP's SRF and other funding sources, such as total maximum daily load (TMDL) and springs cost-shares/grants, which gives high priority to BMAP projects.

CHA developed a remediation plan in the first phase that included an inventory with approximately 4,000 OSTDS in the Wekiva BMAP. The second phase included an inventory with approximately 17,000 OSTDS in the Lake Jesup and Middle St. Johns River BMAPs. Both areas assessed existing wastewater capacity and infrastructure (including potential infrastructure upgrade and expansion options) and evaluated cost-effective project solutions, financing alternatives, and potential rate and homeowner impacts. The approximate 21,000 OSTDS were grouped into project areas through careful analysis and subsequently prioritized based on a variety of factors, including proximity to springs, proximity to surface water, population density, proximity to existing infrastructure, and more. The prioritization of these project areas allows for scheduling and planning next steps for future conversions. This entire project is funded by a grant through FDEP.

RELEVANCE TO SCOPE

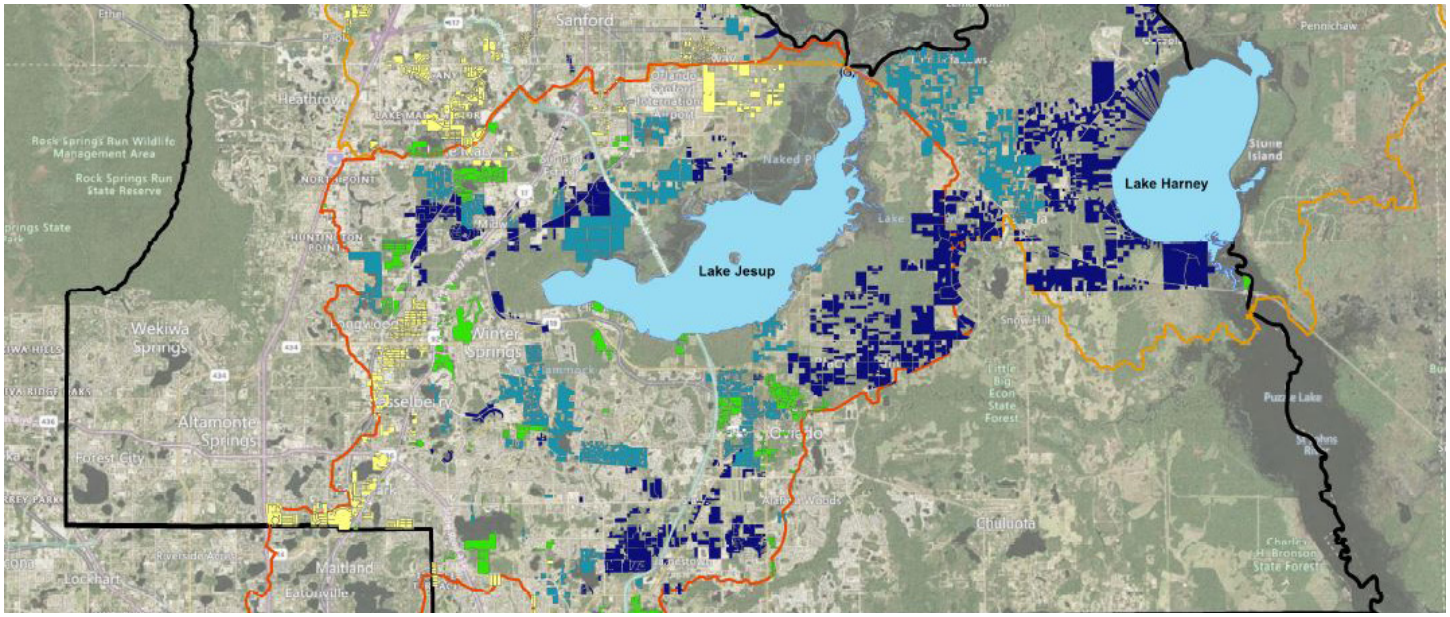
- ✓ Septic-to-sewer
- ✓ Coordination with FDEP and Water Management District
- ✓ Funding assistance

COST

CHA Fee: $153,802 (for Wekiva) $379,033 (for Lake Jesup & Middle St. Johns River)

Construction Cost: N/A

Funding pursuits included a Division of Water Restoration Assistance Wastewater Grant, Innovative Technologies Grant, State Water-Quality Assistance Grant, Resilient Florida Grant, and Clean Water State Revolving Fund (SRF). **CHA successfully obtained $10 million in funding from an FDEP Wastewater Grant for the conversion of four project areas in the Wekiva PFA Area.**



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME CHA Consulting, Inc.	(2) FIRM LOCATION (City and State) Winter Springs, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

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.)	20. EXAMPLE PROJECT KEY NUMBER 5

21. TITLE AND LOCATION (City and State)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
Continuing Professional Engineering Services Contract Pinellas County, FL	Ongoing Since 2017	Varies per Project

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Pinellas County	Craig P. Osmanski, PE	(727) 464-4000

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

Pinellas County supplies more than 900,000 residents and visitors potable drinking water. The Keller Water Treatment Facility (WTF) is a major component of the county's water supply and is responsible for treating and distributing approximately 50-55 MGD of potable water. The majority of the county's wastewater is collected and treated by a regional wastewater system. The county operates two of the largest wastewater treatment (or water reclamation) facilities, serving the most customers in the county. The county maintains over 1,458 miles of sewer line, maintains and operates over 289 pump stations, and has over 22,297 manholes in the collection system. CHA has completed numerous projects under the continuing engineering services contract. Some projects and programs under this contract include:

FLOW MONITORING

Sanitary Sewer Flow Monitoring - Zone 16 (Gulfport) - Implemented flow, rain, groundwater-level and salinity monitoring in the Gulfport Zone to evaluate the I&I. 71-inch diameter gravity mains were monitored for a 6-month period. The monitoring data was summarized to prioritize the basins and make recommendations.

FORCE MAINS

Penn Avenue to Dunn WRF Force Main Condition Assessment - 14,365 feet of 20- to 42-inch force main was inspected internally and externally to determine the condition of a trunk wastewater transmission main following a major break on the force main from trapped hydrogen sulfide.

Force Main Air Release Valve (ARV) Assessment-Keystone Road to Klosterman Road East - 30,525 feet of 30-inch force main and ARVs were inspected externally to determine the condition of a trunk wastewater transmission main, as part of a proactive force main inspection program initiated by the county.

Force Main and ARV Replacements along Keystone Road to Klosterman Road East - Design and replacement of two critical 30-inch force main sections with thin pipe wall section based on prior assessments. CHA provided the design to up-size seven ARVs along the county's 30-inch force main.

Palm Harbor Transmission Force Main Assessment - Evaluated approximately 25,700 feet of force mains ranging from 12- to 30-inch within the North County to assess the condition of the pipe and determine the location of actual constructed vertical profile and ARV location.

PUMP STATIONS

Collection System Pump Station 357 and Force Main Improvements - Complete rehabilitation of an existing wastewater pump station while keeping the facility in operation. The project also included modeling (InfoSWMM) and reconfiguration of the existing force main.

Pump Station Regulatory Evaluation - Evaluated the requirements of Rule 62-604.400 F.A.C., developed a spreadsheet-based checklist to document the compliance of 297 county-owned pump stations, completed site visits to verify compliance where needed, and summarized all findings in a technical memorandum.

RELEVANCE TO SCOPE

- ✓ Continuing utility engineering services contract
- ✓ Pipeline and pump station design
- ✓ Treatment plant process improvements
- ✓ Condition assessments
- ✓ Permitting
- ✓ Construction-phase services

COST

CHA Fee: Varies per project

Construction Cost: Varies per project

POTABLE WATER TREATMENT

Keller WTP Polyphosphate Improvements - This project included the design of improvements to the Keller WTP polyphosphate chemical feed system, including replacing two existing chemical storage tanks, piping, skid pumps, transfer pumps, etc. with three 1,500-gallon, double-wall chemical storage tanks, one 250 gpd tank, a chemical feed pumping skid, transfer pumps, piping, and additional building improvements (including structural improvements, electrical and I&C, and gravity sewer modifications).

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	CHA Consulting, Inc.	Tampa, FL	Prime
b.	ECHO UES, Inc.	Tampa, FL	Subconsultant - Survey/SUE
c.	EMI Consulting Specialties, Inc.	Groveland, FL	Subconsultant - Electrical/I&C
d.	Wekiva Engineering, LLC	Winter Park, FL	Subconsultant - Structural

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 on Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER
	6

21. TITLE AND LOCATION (City and State)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
Brandon Booster Station (BBS) Hillsborough County, FL	2024	2024

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Tampa Bay Water	Justin D. Fox, PE	(813) 929-4565

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

Continued rapid growth and the corresponding increase in potable water demand in south Hillsborough County are putting a strain on the potable water infrastructure serving the area. As a result of this increasing demand, Tampa Bay Water must increase the quantity of water available to the county's Lithia Water Treatment Plant (WTP) point of connection (Lithia Regional POC).

CHA completed the preliminary design, final design, and permitting and performed construction administration services for the BBS. The station has a nominal mechanical firm capacity of 20 MGD, resulting in a net gain of 5.0 MGD to 7.0 MGD delivered to the Lithia Regional POC. The project also includes other improvements to complement the booster station, including replacing the existing well pump at Brandon urban dispersed well No. 7 (BUD-7), the flow control valve at the Lithia Regional POC, and installing a surge relief valve at the Lithia Regional POC.

The BBS consists of a new building, which houses the pumps, piping, valves, and fittings associated with the booster station. In addition, the building includes an electrical room, control room, storage, and a restroom. The site design included an access driveway, a stormwater management facility (swales and pond), a septic tank and drain field, parking, and sidewalks.

Since the BBS is located in a residential neighborhood, the building and site were designed to minimize impacts to the neighboring community. Such design considerations included careful placement of the improvements on the parcel (to maximize the distance from neighboring homes), architectural elements to make the building blend into the neighborhood, sound mitigation measures, and low-impact lighting. The project also included a robust public outreach program to advise neighbors of project status and seek community input on certain project elements. Tampa Bay Water used the construction manager at-risk (CMAR) delivery method to construct the facility.

RELEVANCE TO SCOPE

- ✓ Pump station design
- ✓ Permitting
- ✓ Construction-phase services

COST

CHA Fee: ~$2.04M

Construction Cost: ~$10.66M

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	CHA Consulting, Inc.	Tampa, FL	Prime
b.	Tierra, Inc.	Temple Terrace, FL	Subconsultant - Geotechnical

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.)

20. EXAMPLE PROJECT KEY NUMBER: **7**

21. TITLE AND LOCATION (City and State)

Design-Build Delwood Super Station, Dale Mabry Diversion Pump Station
Hillsborough County, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
2019	2019

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Hillsborough County	George Cassady	(813) 272-5977 ext. 43307

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The Phase II Delwood Super Station project is one of three design-build projects for Hillsborough County under a program to consolidate three wastewater treatment facilities (WWTF) into one expanded facility and two master wastewater pump stations. This $11 million project repurposed the Dale Mabry Advanced WWTF to a 10 MGD triplex master pump station, a 6 MGD reclaimed facility, and a public park.

CHA executed this local design-build project in close collaboration with Hillsborough County and the contractor to keep the WWTF fully operational until the new pump station, wastewater force main, and reclaimed water transmission mains were constructed and placed into operation. The design included installing wet wells partially submerged and partially aboveground to save significant operation and maintenance costs long term. The design also reduced capital costs by requiring lower horsepower pumps and simplifying the construction due to less excavation and dewatering. The design approach also provided for the upstream lift stations to continue to operate by more closely matching the original head conditions to the elevated headworks structure of the WWTF.

RELEVANCE TO SCOPE

- ✓ Pump station design
- ✓ Plant demolition
- ✓ Public education
- ✓ Cost-saving innovative design approach

COST

CHA Fee: $1.06M

Construction Cost: ~$11M

The project included domestic waste permitting through the Hillsborough County Environmental Protection Commission (EPC) and National Pollutant Discharge Elimination System (NPDES) permitting for a reclaimed water discharge through the Florida Department of Environmental Protection (FDEP) Southwest District. Additionally, the design-build delivery method was necessary to successfully execute a fast-tracked schedule and coordinate with the overall Northwest Consolidation Program, which defined the design, permitting, and construction to be completed within 21 months.

We calculated more than $200,000 would be saved in power costs over 20 years as a result of our innovative design approach, in addition to the reduced noise nuisance to the surrounding neighborhood for depth and duration of dewatering during construction.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	CHA Consulting, Inc.	Tampa, FL	Prime
b.	EMI Consulting Specialties, Inc.	Groveland, FL	Subconsultant - Electrical/I&C
c.	The Valerin Group, Inc.	Tampa, FL	Subconsultant - Public Outreach

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.)	20. EXAMPLE PROJECT KEY NUMBER
	8

21. TITLE AND LOCATION (City and State)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
County-wide I&I Program Seminole County, FL	Ongoing	N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Seminole County	Dennis Westrick, PE	(407) 665-2041

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The Seminole County Utilities Department (county) provides potable water, wastewater, and reclaimed water services to customers in its service area. The county's wastewater system comprises four service areas that flow to either two of the county's water reclamation facilities (WRFs) or other utility WRFs as part of interlocal agreements. The county also provides bulk sewer services to the cities of Sanford, Lake Mary, Longwood, Oviedo, and Winter Springs. Reducing I&I is a core mission of the county to reduce treatment capacity taken by I&I and reduce sanitary sewer overflows (SSOs), which impact public and environmental health. The county engaged CHA to implement a flow monitoring program across the gravity collection system to quantify the impact of I&I on the collection system.

For this project, CHA implemented 50 flow meters and 8 rain gauges during the anticipated wet weather period where I&I would be most apparent. The selected locations for the flow meters and rain gauges were based on an evaluation of lift station run times compared to historical rainfall data. Following installation, throughout the flow monitoring period, CHA monitored the performance of the flow monitoring equipment and rain gauges by completing regular calibrations and physical confirmation. Throughout and after flow monitoring, CHA provided regular data review to confirm the collection of quality data before, during, and after wet weather events. Following the completion of flow monitoring and additional data review (SCADA data, monthly billing, lining records, etc.) CHA will prepare a report to detail findings, summarize conclusions, and recommend the next steps to offer guidance for future remediation efforts to reduce I&I.

RELEVANCE TO SCOPE

- ✓ Flow monitoring
- ✓ Recommendations for future remediation efforts to reduce I&I

COST

CHA Fee: $458,940

Construction Cost: N/A

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	CHA Consulting, Inc.	Winter Springs, FL	Prime
b.			

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.)

20. EXAMPLE PROJECT KEY NUMBER: **9**

21. TITLE AND LOCATION (City and State)

SSNOCWTA Owner's Representative/Extension-of-Staff Contract
Seminole and Orange Counties, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
Ongoing since 2009	Varies per Project

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
South Seminole & North Orange County Wastewater Transmission Authority (SSNOCWTA)	Ed Gil de Rubio (Former Executive Director)	(401) 484-3159 (cell)

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

SSNOCWTA provides funding, planning, operating, and maintenance of a wastewater transmission system serving several major municipalities. SSNOCWTA's wastewater transmission system consists of 32 pump stations (design capacity of 47 MGD), more than 37 miles of force mains (6- to 42-inch diameter), and monitoring stations to transmit collected wastewater from the cities of Casselberry, Winter Park, Maitland, and Seminole County to the City of Orlando's Iron Bridge Regional WRF. CHA provides engineering services related to general system conditions, operation and maintenance, and engineering services as required for repair, rehabilitation, and capital planning. Services under this ongoing owner's representative program include:

PROGRAM MANAGEMENT AND EXTENSION OF STAFF - CHA completed a multiple-year program, which included replacing 32,000 feet of 6- to 36-inch pipe, totaling $8.7 million, along with CIP master planning and ongoing condition assessment.

HYDRAULIC MODELING AND CIP - CHA performs hydraulic evaluations through an advanced hydraulic model and identifies force mains that may be reaching the end of their useful life.

CONTINUING CONTRACTOR SELECTION - CHA has completed RFQ documents, advertisement, and selection process for SSNOCWTA's continuing pipeline and pump station contractors.

CAST IRON AND DUCTILE IRON PIPE TESTING, ANALYSIS, AND TESTING-PHASE SERVICES - Based on record drawings and historical data, CHA targeted pipeline areas for inspection. Pipe thickness testing data was compiled, and the extent of corrosion was identified and assigned a rank. A database with pipe conditions was created and monitored to provide the necessary rehabilitation.

WASTEWATER ENGINEERING AND OPERATIONS SERVICES - CHA has worked closely with the authority to provide survey, design, engineering, and construction inspection services for force main repairs and replacements. CHA also provides engineering services related to general system condition, operation and maintenance, and engineering services as required for valve exercising, replacement, and rehabilitation.

CONSTRUCTION ENGINEERING & INSPECTION (CEI) - SSNOCWTA has only one staff member; therefore, CHA provides up to full-time CEI and construction management services for all construction projects.

RELEVANCE TO SCOPE

- ✓ Owner's representative services/program management
- ✓ Extension of staff
- ✓ Hydraulic modeling
- ✓ Pipeline/lift station design
- ✓ Condition assessment
- ✓ Regulatory compliance/ permitting
- ✓ CEI/RPR services

COST

CHA Fee: Varies per project ~$20K-$300K

Construction Cost: Varies per Project

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	CHA Consulting, Inc.	Tampa, FL	Prime
b.	ECHO UES, Inc.	Oviedo, FL	Subconsultant - Survey/SUE
c.	EMI Consulting Specialties, Inc.	Groveland, FL	Subconsultant - Electrical/I&C
d.	Wekiva Engineering, LLC	Winter Park, FL	Subconsultant - Structural

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.)

20. EXAMPLE PROJECT KEY NUMBER: **10**

21. TITLE AND LOCATION (City and State)

Northeast Regional Utility Service Area (NERUSA) Utility Master Plan Update
Polk County, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
2023	N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Polk County Utilities	Jim Tulley, PE, PG	(863) 344-1848

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

CHA recently completed an update to the NERUSA utility master plan that was last updated in 2016. The 2016 master plan addressed potable water, wastewater, and reclaimed water infrastructure improvements to meet immediate needs and future demands through fiscal year (FY) 2040. Given the explosive growth the region is currently experiencing, Polk County Utilities (PCU) decided to complete an update on an accelerated schedule. Compared to the growth projections reflected in the 2016 master plan, observed growth pattern for the past five years varied significantly. Additionally, changes in regulatory policy have shaped plans for future infrastructure improvements; this includes things such as the Lake Okeechobee Basin Management Action Plan (BMAP), Lead and Copper Rule Revision (LCRR), per- and polyfluoroalkyl substances (PFAS), etc. The updated master plan addresses facility needs for water, wastewater, and reclaimed water systems and sets forth a plan for future growth by identifying capital improvement projects to meet projected demands through FY 2045.

RELEVANCE TO SCOPE

- ✓ Master planning
- ✓ Hydraulic modeling

COST

CHA Fee: $394,872

Construction Cost: N/A

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	CHA Consulting, Inc.	Tampa, FL	Prime
b.			

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
Emily Staubus Williamson, PE	Client Service Manager	X	X		X	X	X	X	X	X	
Allen Dethloff, PE	Florida Team Leader	X		X	X	X	X	X			X
Barton Jones, PE	Principal-in-Charge	X				X					
Weston Haggen, PE, DBIA, ENV SP, PMP	Project Manager	X	X		X	X	X	X	X	X	
Rich Voorhees, PE, BCEE	Quality Manager	X	X	X	X	X	X	X		X	
Chandra Mysore, PhD, PE, BCEE	Water Treatment Facilities Lead					X					
Ian Grabo, EI	Water Treatment Facilities/Water, Wastewater, Reclaimed Conveyance Systems/Sewer Assessment & Rehab (SAR)	X		X	X	X	X		X	X	X
Boya Wang, PhD, PE	Water Treatment Facilities	X		X		X	X				
Scott Hoxworth, PE	Water Treatment Facilities and Construction-Phase Services Lead	X	X	X		X		X		X	
Jim Hagerty, PE	Wastewater Treatment Facilities Lead			X		X		X		X	
Mark Worsham, PE	Wastewater Treatment Facilities	X	X	X	X	X	X	X		X	
Eric Knoppel, EI	Wastewater Treatment Facilities		X	X	X	X				X	X
Jay Sanders, PE	Wastewater Treatment Facilities			X		X					
Stefano Ceriana, PE, LEED AP	Water, Wastewater, Reclaimed Conveyance Systems	X	X			X		X		X	
Joseph Graham, MBA, JD, PE	Regulatory Compliance/Funding Assistance/ Permitting Lead	X		X	X	X	X			X	X
Pamela Kerns, EI	Regulatory Compliance/Funding Assistance/ Permitting	X		X		X	X	X		X	X
Garven Dabady, PE	Regulatory Compliance/Funding Assistance/ Permitting	X				X				X	
Edward Talton, PE	Master Planning & Hydraulic Modeling Lead	X	X		X	X		X		X	X
Parsa Pezeshk, PhD, PE	Master Planning & Hydraulic Modeling	X		X	X	X	X		X		X
Hannah Kapalo, EI, ENV SP	Master Planning & Hydraulic Modeling	X		X	X	X			X		
Chad Meisel, PE	Master Planning & Hydraulic Modeling	X	X		X	X			X	X	X
Mark Lambert, PE	Sewer Assessment & Rehab (SAR) Lead								X		
Philip Stansly, EI	Sewer Assessment & Rehab (SAR)			X		X			X	X	
Jason Hignite	Environmental Lead	X									
Lindsay Rose	Environmental Scientist	X	X	X		X	X	X			
Leann Wishah, EI	Environmental Engineer	X		X	X	X			X	X	X
Kerry Wulff, CBC	Construction-Phase Services	X	X			X	X				
Jeffrey Robitaille	Inspector	X				X					
Charles Warren	Inspector	X	X			X				X	
Carl Erickson, PE	Lead Structural Engineer					X					
Adrian Alfonso, PE	Structural Engineer										
David Shook, PE	Lead Electrical/I&C Engineer					X					
Eduardo Martinez, PE	Electrical/I&C Engineer										
John Sobczak, PE (Wekiva)	Structural Engineer	X		X		X				X	
Willard "Pete" Hoanshelt, PE (EMI)	Electrical/I&C Engineer	X		X		X		X		X	
Joseph Haber, PG (RESPEC)	Hydrology/Hydrogeology Lead										
David Brown, PG (RESPEC)	Hydrology/Hydrogeology										
Mike Patterson, PSM (ECHO)	Survey/SUE	X				X					
Jeraldo Comellas, PE (ECHO)	Survey/SUE	X				X				X	
Ken Symonds, PE (Tierra)	Senior Geotechnical Engineer						X				
Jeremy Sewell, PE (Tierra)	Senior Geotechnical Engineer						X				
Valerie Ciudad-Real (Valerin)	Public Outreach							X			
Tiffani McClain (Valerin)	Public Outreach										

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
No.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	No.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	City of Clearwater, Water and Reclaimed Water Program Management	6	Tampa Bay Water, Brandon Booster Station (BBS)
2	City of Melbourne, Pineda Causeway Water Transmission Main Design	7	Hillsborough County, Design-Build Delwood Super Station, Dale Mabry Diversion Pump Station
3	City of Haines City, 6.0 MGD WWTP Expansion	8	Seminole County, County-wide I&I Program
4	Seminole County, Wekiva Septic-to-Sewer Conversion	9	SSNOCWTA, Owner's Representative/Extension-of-Staff Contract
5	Pinellas County, Continuing Professional Engineering Services Contract	10	Polk County Utilities, Northeast Regional Utility Service Area (NERUSA) Utility Master Plan Update

TAB 5

PROJECT CONTROL/ APPROACH

5. PROJECT CONTROL/APPROACH

Snapshot:

1. UNDERSTANDING OF SCOPE OF PROJECT

A successful project begins with the complete understanding of the scope of the project.

2. DEVELOPMENT OF A WORK PLAN

CHA will develop a project-specific work plan which defines the project goals and resources required to complete the project within the schedule.

3. INITIAL PROJECT MEETING

The meeting will outline a clear project understanding, set project goals, and define key project milestones.

4. PROJECT EXECUTION

Once the specific project design approach has been completed and approved, work would commence upon the notice to proceed.

5. QUALITY CONTROL

We will adhere to a QA/QC plan to maintain standards for technical performance and accuracy of all engineering reports, design drawings and specifications.

APPROACH TO PROJECT MANAGEMENT

CHA's experts provide professional, comprehensive engineering services throughout Florida. Our multi-disciplined team brings the capabilities of a broad spectrum of perspectives and extensive planning backgrounds to each assignment. **Due to the nature of continuing service contracts, we are unable to predict what type of assignment for which we may be selected. Therefore, we discuss below how we successfully execute a typical project from start to finish:**

From studies to construction, we routinely provide these services for similar projects:

- Study and preliminary design phase
- Final design phase
- Bidding phase
- Construction phase
- Engineering studies

CHA will provide the following services on the city's projects:

PROJECT MANAGEMENT

An established and practical project design approach is necessary to establish and meet project requirements, schedule and budget. The on-call project design approach includes:

- Meeting with the city (if necessary) to develop a detailed scope of work
- Developing a project-specific schedule
- Identifying and engaging the technical resources for the specific project
- Developing a project-specific QA/QC plan

Once the specific project design approach has been completed and approved by the city, work will commence with the notice to proceed (NTP). Project cost, schedule, and quality control will be managed by:

- Frequent internal project progress meetings
- Regular communication between the project manager and the city
- Regular project progress reports submitted to the city
- The completion and submission of deliverables at project milestones
- Strict adherence with the project QA/QC plan

EXTENSIVE QUALITY CONTROL

We take project management and quality control very seriously. Our project managers use three comprehensive project manuals (developed internally at CHA) to develop specific project management and QA/QC plans for each assignment: The Project Management Manual, the QA/QC Manual, and the Total Technical Quality Control (TTQC) Manual.

CLIENT COORDINATION

The city's team will be an integral part of CHA's quality assurance program. By participating in project meetings, communicating clearly and often, and providing timely and thorough reviews of deliverables, the city and CHA will achieve success. CHA will maintain open communication with the city throughout the design process. Formal design reviews will be made at critical project milestones, such as the 30%, 60%, 90%, and 100% complete phases.

QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) PROGRAM

CHA uses proactive quality management planning and execution initiated at the earliest possible time in project development and then implemented and monitored throughout design development. Quality does not simply end with the deliverable. CHA will have a vested interest in the project's quality through project construction and closeout.

Before beginning any project work, CHA's project managers prepare a Project-specific Work Plan (PSWP). The PSWP must comply with basic CHA corporate requirements but is then tailored to the specific project requirements at the project manager's discretion. Each PSWP will include identifying project stakeholders, project location and history, scope of services, schedule, budget, Quality Management Plan (QMP), roles and responsibilities of the team, communication style and frequency, file management procedures, and procedures for managing out of scope items.

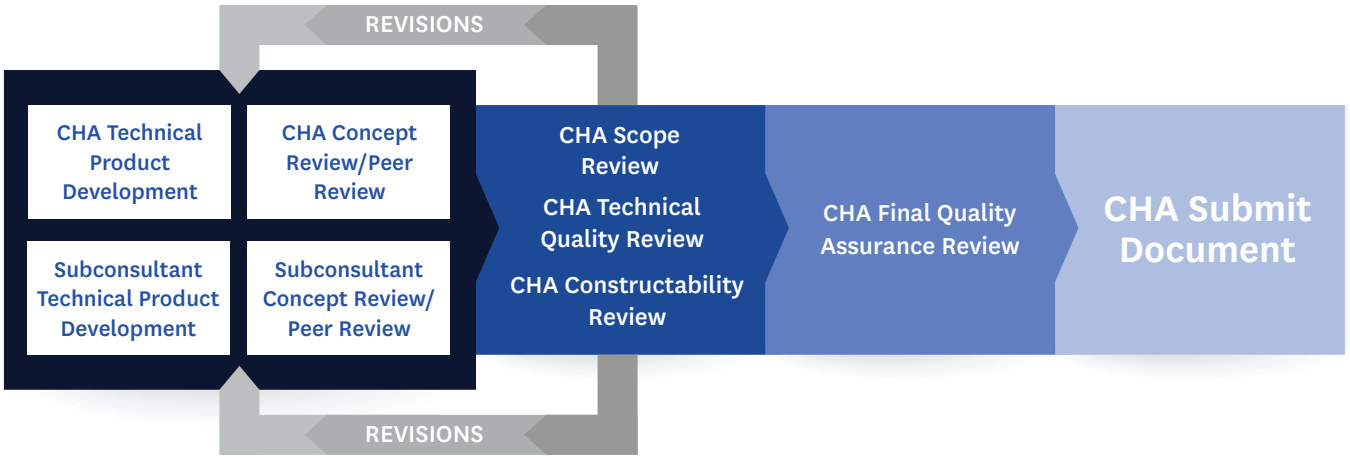
The project-specific QMP will be customized as a collaborative effort involving the project managers and technical leads. CHA's quality manager will be:

1. Available to assist in the QMP preparation should the need arise
2. Responsible for reviewing and certifying the QMP for consistency and compliance before project work begins

CHA uses a "**Red**, **Yellow**, **Green**" ("**RYG**") quality review process so that work products and deliverables are fully and consistently reviewed, resolved, and recorded. Our professionals who create the design or prepare the work products bear the primary responsibility for completeness, content, form, and technical accuracy.

We require a formal check and review of all work products and deliverables. The "**RYG**" quality review process follows a consistent workflow sequence whereby each design element/work product is highlighted in **YELLOW** to signify that review has occurred. Any direct corrections are annotated in **RED**, and commentary and/or instructions are annotated in **BLUE** or **BLACK**. The checker signs and dates the review set and returns the documents to the design element/work product originator.

The originator evaluates the checkers' comments and works with the checker to resolve each comment. **GREEN** annotations signify agreement with, or the resolution of, the review comments. Corrections are made to the designs or drawings and are then verified by the checker, who places a QA/QC stamp on each drawing or design. Finally, the originator, checker, corrector, and verifier sign and date each drawing or design to verify that the process has been followed for complete quality compliance. The team does not advance or submit any work products or deliverables until they have satisfied the QMP.



SCHEDULING EXPERTISE/ABILITY TO ADHERE TO SCHEDULES

To meet the determined deadlines for each task, the City of North Port needs an engineering team that:

- Possesses proven communication skills
- Has previous experience in managing deadline-driven projects
- Provides innovative and proven techniques for maintaining schedules
- Produces work products quickly and accurately while maintaining schedule
- Has the available local resources to dedicate to this project

CHA places a strong emphasis on schedule when completing design and study assignments and offers the county a strong history of success in this regard. Our team's overall commitment to maintaining schedules will make the CHA team a valuable resource for the county, particularly where fast product delivery, quality, and adherence to schedule are top priorities. **Additionally, each of our subconsultants has committed to completing any and all work for the city on time.**

PAST DEMONSTRATION OF MEETING PROJECT SCHEDULES

As our team has demonstrated on the various projects summarized in this proposal, the CHA team has developed many proven techniques for maintaining schedules to make sure that project schedules are met. **These techniques were invaluable on the recent Normandy Boulevard Reclaimed Water Main Extension project that included installing 4,700 feet of 12-inch and 16-inch reclaimed water main along Normandy Boulevard in Volusia County. The necessary fast-tracked design of this cost-share-funded project is indicative of CHA's ability to expedite project elements when critical schedule compliance deadlines are imposed.**

CHA'S COMMITMENT TO MAINTAINING PROJECT SCHEDULES AND BUDGETS

CHA's project delivery philosophy includes the concept that schedule and the ability to produce work products quickly and accurately are primary priorities for completing municipal engineering projects. **The CHA team is committed to completing tasks on time and within budget for the city, as we are with all of our clients.** Our team will use the following general approach, adapted to the city's specific needs, to promote adherence to scope and budget commitments for this project:

- Utilize a skilled and experienced team with well-defined roles (included herein)
- Determine the city's specific goals and objectives (deliverable-based)
- Break the project into specific, measurable tasks
- Determine effective communications procedures
- Develop a schedule to meet goals with specific milestones, then periodically and consistently monitor progress
- Focus initial efforts on critical path items
- Make a financial plan (budget) for the entire project
- Think of potential problems, make contingency plans as needed
- Assist the city by creating action checklists, where appropriate
- Provide project status updates, including bi-monthly progress reports

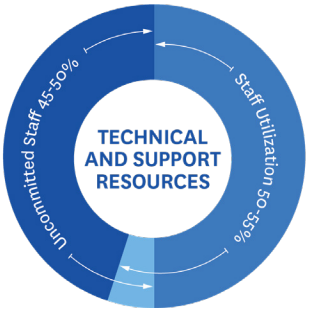
More important than a written procedure, CHA's management team for this contract has a proven and demonstrable history of client service and dedication to the City of North Port that supports our stated commitment to maintaining written schedules and budgets.

BUDGET CONTROL TECHNIQUES

CHA's cost control method begins with developing a detailed scope of work, fee proposal, and project-specific work plan to determine project costs. We accomplish this through proactive, upfront communication during the project's scoping phase. Once our team and the stakeholders have agreed on the project costs and work plan, CHA's assigned project manager will develop forecasted project expenditures depicted graphically. This forecast serves as a baseline to monitor the schedule and expenditure and keep the project on track. This dashboard system gives the project team access to information that can be used to quickly and accurately monitor and assess project status to control schedule and budget proactively. The objectives of a disciplined, cost-control program are two-fold: 1) to maintain control over costs throughout the design development process; and 2) to prevent surprises when construction bids are opened.

CURRENT AND PROJECTED WORKLOAD

Our proposed key personnel are available to undertake this assignment successfully. Current and projected workloads are analyzed weekly at CHA to allocate resources appropriately. As projects are initiated, the appropriate technical and support resources necessary to perform each task are allocated to meet or exceed all project requirements. T**he current utilization of the staff is generally in the range of 50-55%, leaving an uncommitted staff effort of between 45% and 50% based on today's workload.** Having provided engineering services to municipal governments for **over 73 years,** CHA recognizes the pressures municipal officials confront, including budgets and project schedules. **We will work collaboratively with the city as a true partner to have sufficient staff, equipment, and systems available to meet or exceed your expectations with our deliverables. With a bench strength of over 2,000 professionals, we do not foresee any issues meeting deadlines.**



COMMITMENT TO THE CITY OF NORTH PORT

CHA and each of our subconsultants' staff have substantial availability and will be allocated to the city, as necessary, to complete each project in a timely and efficient manner. We have assembled a focused team of local CHA professionals with direct, relevant experience. The assigned staff's efforts will be sufficiently allocated to accomplish the project **on schedule and within budget.** CHA provides similar services to other governmental agencies throughout the state of Florida. Our track record demonstrates that we successfully provide high-quality services and products to these municipalities, as we intend to provide to the City of North Port.

CHA'S AVAILABLE FACILITIES, TECHNOLOGICAL CAPABILITIES, AND OTHER RESOURCES

The CHA team provides technologically advanced engineering and design services, supported by extensive internal resources, including a network of over 2,000 computers, CADD stations, laser printers, plotters, and a Xerox Document Production Center. Our staff is highly proficient in industry-standard software, including AutoCAD Civil 3D for engineering design, Bentley Hammer for hydraulic modeling and transient analysis, and Microsoft Project for scheduling and project management. We also utilize ProjectWise for design and document control, enhancing documentation, expediting decision-making, and streamlining construction activities.

CHA's Wide Area Network (WAN) allows seamless collaboration across offices nationwide, enabling teams to share CADD, GIS, and project files efficiently while maintaining compatibility across disciplines. Our Information Technology (IT) department develops custom databases to manage land survey results, in-house data collection, and other essential project information. Additionally, our Technology Solutions Group enhances CHA's engineering capabilities with application development, web design, database management, design systems, and advanced visualizations.

To further improve efficiency, CHA integrates cutting-edge Building Information Modeling (BIM) 360 tools, including BIM360 Document Management, Autodesk Desktop Connector, and BIM360 Design Collaboration. These tools enable real-time task tracking, project coordination, and streamlined workflow management, fostering enhanced collaboration between teams, contractors, and stakeholders across different locations. **By leveraging advanced technology, CHA ensures high-quality project execution, reduced rework, and improved overall efficiency.**

TAB 6

REFERENCES

6. REFERENCES

ATTACHMENT 3 - REFERENCES/CLIENT LISTING

Include at least five (5) business related references for which they are currently providing or have provided within the last ten (10) years, services similar to the scope of services required by this RFP. A minimum of three (3) references must be for work performed in Florida.

1. Business/Customer Name: City of Clearwater

   Name of Contact Person/Title: Andrija Selak, Project Manager

   Telephone# (727) 444-8253 E-mail andrija.selak@myclearwater.com

   Address 100 S Myrtle Avenue, Clearwater, FL 33756

   Project Name Potable and Reclaimed Water Program Management

   Duration of Contract or business relationship Since 2020 Project completion date: Ongoing (Est. 2026)

   Type of Services Provided Program management for water and reclaimed water program

   Cost of Project: Design Varies per project Program limit: $8.675M over 6 years Construction: Varies per project

2. Business/Customer Name: South Seminole and North Orange County Wastewater Transmission Authority (SSNOCWTA)

   Name of Contact Person/Title: Ed Gil de Rubio, Former Executive Director

   Telephone# (401) 484-3159 E-mail gilderubio.ed@gmail.com

   Address 410 Lake Howell Road, Maitland, FL 32751

   Project Name Continuing Owner's Representative and Utilities Engineering Contract

   Duration of Contract or business relationship Since 2009 Project completion date: Ongoing

   Type of Services Provided Engineering services, program management/extension-of-staff services, condition assessment, O&M, CEI

   Cost of Project: Design Varies per project Construction: Varies per project

3. Business/Customer Name: Pinellas County

   Name of Contact Person/Title: Craig P. Osmanski, PE, Senior Engineer

   Telephone# (727) 464-4000 E-mail cosmanski@pinellas.gov

   Address 14 S Fort Harrison Avenue, 6th Floor, Clearwater, FL 33756

   Project Name Continuing Professional Engineering Services Contract

   Duration of Contract or business relationship Since 2017 Project completion date: Ongoing

   Type of Services Provided Pipeline design, pump station design, WTP improvements design, flow monitoring, condition assessments

   Cost of Project: Design Varies per project Construction: Varies per project

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

4. Business/Customer Name: City of Haines City

Name of Contact Person/Title: James Keene, Public Services Administrator

Telephone# (863) 421-9951 x5954 E-mail James.Keene@hainescity.com

Address 620 E Main Street, Haines City, FL 33844

Project Name TDT 6.0 MGD WWTP Expansion
6.0

Duration of Contract or business relationship Since 2021 Project completion date: Ongoing (Est. 2027 TDT

Type of Services Provided Design, permitting, and construction-phase services for WWTP expansion

Cost of Project: Design $5.2M Construction: ~$44.6M

5. Business/Customer Name: City of Melbourne

Name of Contact Person/Title: Jennifer Spagnoli, PE, Assistant Public Works/Utilities Director

Telephone# (321) 608-5000 E-mail jennifer.spagnoli@mlbfl.org

Address 900 E Strawbridge Avenue, Melbourne, FL 32901

Project Name Pineda Causeway Subaqueous Water Transmission Mains

Duration of Contract or business relationship 2017-2022 Project completion date: 2022

Type of Services Provided Engineering, permitting, CEI/RPR services for 39,800 LF of 16-inch water main installation

Cost of Project: Design $2,084,846 (Design) $1,689,982 (CEI/RPR) Construction: $22,553,579

COMPANY NAME: CHA Consulting, Inc.

SIGNATURE:

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

OWNER'S REPRESENTATIVE/ EXTENSION-OF-STAFF CONTRACT

South Seminole and North Orange County Wastewater Transmission Authority (SSNOCWTA), FL

SSNOCWTA provides funding, planning, operating, and maintenance of a wastewater transmission system serving several major municipalities. SSNOCWTA's wastewater transmission system consists of 33 pump stations (design capacity of 47 MGD), more than 37 miles of force mains (6- to 42-inch diameter), and monitoring stations to transmit collected wastewater from the cities of Casselberry, Winter Park, Maitland, and Seminole County to the City of Orlando's Iron Bridge Regional WRF. CHA provides engineering services related to general system conditions, operation and maintenance, and engineering services as required for repair, rehabilitation, and capital planning. Services under this ongoing owner's representative program include:

- Program management and extension of staff services
- Hydraulic modeling and CIP
- Cast iron and ductile iron pipe testing, analysis, and testing-phase services
- Wastewater engineering and operations services
- Construction engineering and inspection (CEI)/resident project representative (RPR) services
- Continuing contractor selection

Project Location
Seminole and Orange Counties, FL

Dates
Ongoing since 2009

Cost
CHA Fee:
Varies per project

Construction:
Varies per project

Engineer's OPCC:
Varies per project

Reference
SSNOCWTA
Ed Gil de Rubio
Former Executive Director
410 Lake Howell Road
Maitland, FL 32751-5907
T: (401) 484-3159
F: N/A
gilderubio.ed@gmail.com

ATTACHMENT 4

REFERENCE AND PERFORMANCE QUESTIONAIRRE VERIFICATION FORM

RFP 2025-12 Professional Utility Engineering Services – Continuing Services for City of North Port
It is the intent of the City of North Port to request proposals from experienced and qualified firms for professional engineering services for the City of North Port.

1. Contractor Information (Proposer information)

FIRM NAME: CHA Consulting, Inc.

ADDRESS: 2502 N Rocky Point Drive, Suite 145, Tampa, FL 33607

Telephone number#: (813) 549-0919

E-mail: SCeriana@chasolutions.com

Point of Contact Stefano Ceriana, PE, LEED AP **Contact Phone Number** (407) 917-5697

2. Worked Performed as X **Prime** ____ **Sub Contractor** ____ **Joint Venture** ____ **Other (Explain)**
Percent of project work performed N/A**%** (Ongoing continuing contract since 2009)
If Subcontractor, who was the prime (Name/Phone #) N/A

3. CONTACT INFORMATION

Contract Number: 2023-01

Contract Type: ____ Firm Fixed Price X Cost Reimbursement ____ Other (please specify):____

Contract Title:
SSNOCWTA Continuing Owner's Representative and Utilities Engineering Contract

Contract Location:
Seminole and Orange Counties, FL

Award Date (mm/dd/yy) 09/30/2009

Actual Completion Date: Ongoing

Original Contract Price (Award Amount): Varies per project (ongoing continuing contract)

Final Contract Price (to include all modifications, if applicable): Ongoing continuing contract

Explain the Difference: N/A

4. PROJECT DESCRIPTION: Complexity of Work ____ **HIGH** X **MED** ____ **ROUTINE**

How is this project relevant to project submission?

CHA provides engineering services, program management/extension-of-staff services, condition assessment, O&M, and CEI under this continuing owner's representative and utilities engineering continuing contract for SSNOCWTA.

5. CLIENT INFORMATION

Name: Ed Gil de Rubio **Title:** Former Executive Director

Name of Entity: South Seminole and North Orange County Wastewater Transmission Authority (SSNOCWTA)

Phone Number: (401) 484-3159 **E-Mail:** Gilderubio.ed@gmail.com

PERFORMANCE EVALUATION	(CHECK) "YES" OR "NO"
1. Was the scope of work performed similar in nature?	☑ YES OR ☐ NO
2. Did this company have the proper resources and personnel by which to get the job done? If no, please describe:	☑ YES OR ☐ NO
3. Were any problems encountered with the company's work performance? If yes, please describe:	☐ YES OR ☑ NO
4. How long did the company/individual work for you?	Years: 15 Months: ____
5. On a scale of 1 to 10, 10 being best, how would you rate the overall work performance, considering professionalism; final product; personnel; resources. Rate from 1 to 10. (10 being highest)	10++
6. If the opportunity were to present itself, would you rehire this company? If no, please state why: ____	☑ YES OR ☐ NO
7. Date Questionnaire completed	(mm/dd/yy) 03/15/2025

8. Please provide any additional comments pertinent to this company and the work performed for you (you may use additional pages): Great to work with their Management & Staff. Provided 24/7 services. Always there for us.

E. Gil de Rubio

Signature

WATER & RECLAIMED WATER PROGRAM MANAGEMENT

City of Clearwater, FL

The City of Clearwater has embarked on a long-term, system-wide potable water and reclaimed water program that includes the conceptual routing, design, permitting, and construction services for pipeline improvements that are in keeping with the big-picture goal of renewing critical infrastructure and the assessment and replacement methods to minimize impacts to service and critical roadways. The city's vision is to complete a program where CHA will complete studies, design, resident project representative (RPR), and construction services for the following projects:

- Program management and as-needed utility engineering services
- Specifications, details, and continuing contractor assistance
- Fort Harrison Avenue water main hydraulic modeling evaluation
- SR 60 water main hydraulic modeling evaluation
- Reclaimed water quality investigations and GST evaluations
- Pipe inspection technology evaluation
- System-wide potable water main leak detection, technology evaluation, and bidding support
- Drew Street water main assessment of 3,150 feet of 8-inch pipe
- Spring Creek water main replacement of aerial crossing
- Memorial Causeway reclaimed water mains replacement of 8-inch cast iron pipe
- Various water and reclaimed water main and valve replacements
- Perform additional hydraulic and water quality modeling
- Complete pipeline assessments to prioritize/determine amount of pipe to replace
- Reclaimed water main looping at Drew Street, Martin Luther King, Jr. Avenue, Druid Road, and Memorial Causeway (total ~5,200 feet) of various-sized reclaimed water mains
- Various potable water piping replacement, relocation, looping, upsizing, and abandonment projects (total ~23,200 feet) at 35 locations throughout the city based on priority projects identified

The six-year program is currently underway and will replace a significant amount of the city's potable water and reclaimed water piping system.

Project Location
City, State

Dates
2020 - Ongoing (Est. 2026)

Cost
CHA Fee:
Varies per project
(Program limit: $8.675M over 6 years)

Construction:
Varies per project

Engineer's OPCC:
Varies per project

Reference
City of Clearwater
Andrija Selak
100 South Myrtle Avenue #220
Clearwater, FL 33756
T: (727) 543-0228
F: N/A
andrija.selak@myclearwater.com

ATTACHMENT 4

REFERENCE AND PERFORMANCE QUESTIONAIRRE VERIFICATION FORM

RFP 2025-12 Professional Utility Engineering Services – Continuing Services for City of North Port
It is the intent of the City of North Port to request proposals from experienced and qualified firms for professional engineering services for the City of North Port.

1. Contractor Information (Proposer information)

FIRM NAME: CHA Consulting, Inc.

ADDRESS: 2502 N Rocky Point Drive, Suite 145, Tampa, FL 33607

Telephone number#: (813) 549-0919

E-mail: WHaggen@chasolutions.com

Point of Contact Weston Haggen, PE, DBIA, ENV SP, PMP **Contact Phone Number** (813) 549-0919

2. Worked Performed as X **Prime** ____ **Sub Contractor** ____ **Joint Venture** ____ **Other (Explain)**
Percent of project work performed ~75 **%**
If Subcontractor, who was the prime (Name/Phone #) N/A

3. CONTACT INFORMATION

Contract Number: 18-0040-UT

Contract Type: ____ Firm Fixed Price X Cost Reimbursement ____ Other (please specify):____

Contract Title:
Potable Water and Reclaimed Water Program Management Contract

Contract Location:
Clearwater, FL

Award Date (mm/dd/yy) 11/1/2019

Actual Completion Date: Ongoing (Est. 11/2025)

Original Contract Price (Award Amount): Program limit: $8.675M over 6 years

Final Contract Price (to include all modifications, if applicable): TBD (Ongoing)

Explain the Difference: N/A

4.PROJECT DESCRIPTION: Complexity of Work ____ **HIGH** X **MED** ____ **ROUTINE**

How is this project relevant to project submission?
This is a system-wide potable and reclaimed water main assessment and replacement program. This program includes the conceptual routing, design, permitting, and construction services for pipeline improvements and assessing replacement methods to minimize service and critical roadways impacts. This program additionally includes condition assessment, hydraulic modeling, and RPR services.

5. CLIENT INFORMATION

Name: Andrija Selak **Title:** Project Manager

Name of Entity: City of Clearwater

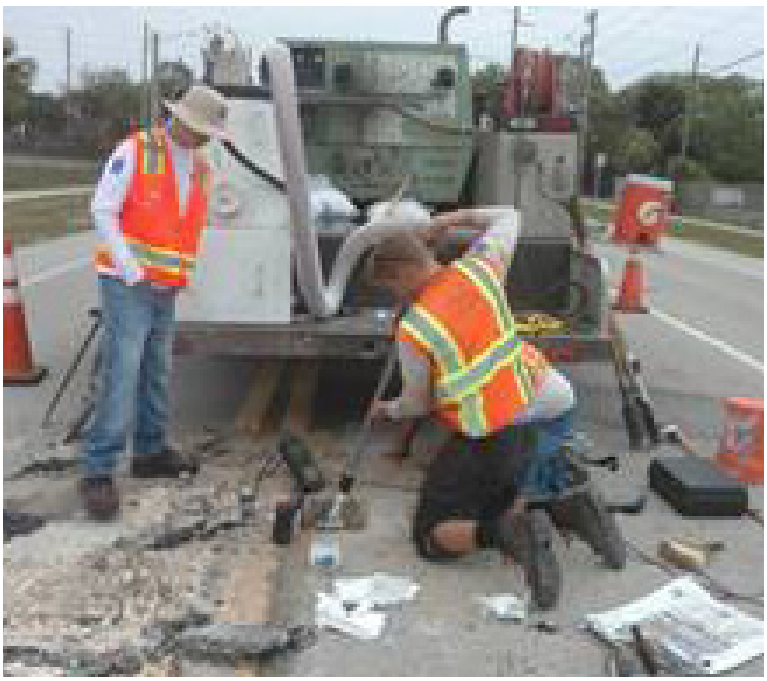
Phone Number: (727) 543-0228 **E-Mail:** andrija.selak@myclearwater.com

PERFORMANCE EVALUATION	(CHECK) "YES" OR "NO"
1. Was the scope of work performed similar in nature?	[X] YES OR [ ] NO
2. Did this company have the proper resources and personnel by which to get the job done? If no, please describe:	[X] YES OR [ ] NO
3. Were any problems encountered with the company's work performance? If yes, please describe:	[ ] YES OR [X] NO
4. How long did the company/individual work for you?	Years: 5 Months: 2
5. On a scale of 1 to 10, 10 being best, how would you rate the overall work performance, considering professionalism; final product; personnel; resources. Rate from 1 to 10. (10 being highest)	10
6. If the opportunity were to present itself, would you rehire this company? If no, please state why:	[X] YES OR [ ] NO
7. Date Questionnaire completed	(mm/dd/yy) 3/19/2025

8. Please provide any additional comments pertinent to this company and the work performed for you (you may use additional pages): CHA Consulting Inc. has worked with the City of Clearwater - Public Utilities Department on the Potable Water and Reclaimed Water Program 18-0040-UT for the past five years. Weston Haggen has been exceptional in his performance for the entire duration of this contract. Weston and his team have time and again demonstrated a high level of expertness, professionalism and consistency in all assigned tasks.

Andrija Selak Digitally signed by Andrija Selak Date: 2025.03.19 16:13:40 -04'00'

Signature



CONTINUING PROFESSIONAL ENGINEERING SERVICES CONTRACT

Pinellas County, FL

Pinellas County supplies more than 900,000 residents and visitors potable drinking water. The Keller Water Treatment Facility (WTF) is a major component of the county's water supply and is responsible for treating and distributing approximately 50-55 MGD of potable water. The majority of the county's wastewater is collected and treated by a regional wastewater system. The county operates two of the largest wastewater treatment (or water reclamation) facilities, serving the most customers in the county. The county maintains over 1,458 miles of sewer line, maintains and operates over 289 pump stations, and there are over 22,297 manholes in the collection system. CHA has completed numerous projects under the continuing engineering services contract. Some services and programs under this contract include:

- Flow monitoring
- Force main condition assessment
- Force main replacement design
- Pump station improvements design
- Pump station regulatory evaluations
- Water treatment plant improvements

Project Location
Pinellas County, FL

Dates
Ongoing since 2017

Cost
CHA Fee:
Varies per project

Construction:
Varies per project

Engineer's OPCC:
Varies per project

Reference
Pinellas County
Craig P. Osmanski, PE
Senior Engineer
14 S. Fort Harrison, 6th Floor
Clearwater, FL 33756
T: (727) 464-4000
F: N/A
cosmanski@pinellas.gov

ATTACHMENT 4
REFERENCE AND PERFORMANCE QUESTIONAIRRE VERIFICATION FORM

RFP 2025-12 Professional Utility Engineering Services – Continuing Services for City of North Port
It is the intent of the City of North Port to request proposals from experienced and qualified firms for professional engineering services for the City of North Port.

1. Contractor Information (Proposer information)

FIRM NAME: CHA Consulting, Inc.

ADDRESS: 2502 N Rocky Point Drive, Suite 145, Tampa, FL 33607

Telephone number#: (813) 549-0919

E-mail: WHaggen@chasolutions.com

Point of Contact Weston Haggen, PE, DBIA, ENV SP, PMP **Contact Phone Number** (813) 549-0919

2. Worked Performed as X **Prime** _____**Sub Contractor** _____**Joint Venture** ____**Other (Explain)**
Percent of project work performed N/A **%** (Ongoing continuing contract since 2021)
If Subcontractor, who was the prime (Name/Phone #) N/A

3. CONTACT INFORMATION

Contract Number: 190-0457-CN (SS)

Contract Type: _____ Firm Fixed Price X Cost Reimbursement _____Other (please specify):_____

Contract Title:
Pinellas County Continuing Professional Engineering Services Contract

Contract Location:
Pinellas County, FL

Award Date (mm/dd/yy) 04/27/2021

Actual Completion Date: Ongoing

Original Contract Price (Award Amount): Varies per project (ongoing continuing contract)

Final Contract Price (to include all modifications, if applicable): Ongoing continuing contract

Explain the Difference: N/A

4. PROJECT DESCRIPTION: Complexity of Work _____**HIGH** X **MED** _____**ROUTINE**

How is this project relevant to project submission?

CHA has provided pipeline design, pump station design, WTP improvements design, flow monitoring, and condition assessment services for Pinellas County under this continuing contract.

5. CLIENT INFORMATION
Name: Craig P. Osmanski, PE **Title:** Senior Engineer
Name of Entity: Pinellas County
Phone Number: (727) 464-4000 **E-Mail:** cosmanski@pinellas.gov

PERFORMANCE EVALUATION	(CHECK) "YES" OR "NO"
1. Was the scope of work performed similar in nature?	☑ YES OR ☐ NO
2. Did this company have the proper resources and personnel by which to get the job done? If no, please describe: _____ _____ _____	☑ YES OR ☐ NO
3. Were any problems encountered with the company's work performance? If yes, please describe: _____ _____ _____	☐ YES OR ☑ NO
4. How long did the company/individual work for you?	Years: 4 Months: _____
5. On a scale of 1 to 10, 10 being best, how would you rate the overall work performance, considering professionalism; final product; personnel; resources. Rate from 1 to 10. (10 being highest)	10
6. If the opportunity were to present itself, would you rehire this company? If no, please state why: _____	☑ YES OR ☐ NO
7. Date Questionnaire completed	(mm/dd/yy) 03/18/25

8. Please provide any additional comments pertinent to this company and the work performed for you (you may use additional pages): Great working with CHA. Provided good plans and specifications and also great to work with for services during construction. Also, did a great job in assessing pipelines, pump stations, etc.

Craig Osmanski
Signature

PINEDA CAUSEWAY WATER TRANSMISSION MAIN DESIGN

City of Melbourne, FL

The City of Melbourne's water distribution system includes two water main crossings from the mainland, across the Intracoastal waterway (Indian River Lagoon), to the barrier island "beach-side" of the system, providing potable water services to beach-side customers. The increasing age of the existing pipeline crossings raised concerns regarding water transmission redundancy and reliability. Studies indicated the best location for a third water main crossing was at the northern extremity of the distribution system near Pineda Causeway, "looping" the north ends of the system to improve water quality and provide operational flexibility and reliability.

The City of Cocoa, located to the north of Melbourne, had similar concerns regarding the redundancy and reliability at the southernmost portion of their distribution system, which is also near Pineda Causeway and feeds water to the Patrick Space Force Base and other customers on the barrier island. The City of Cocoa entered into a Joint Project Agreement (JPA) with the City of Melbourne to have CHA complete permitting and design of an additional water main crossing to tie into the City of Cocoa's water distribution system within the same Pineda Causeway corridor as the City of Melbourne's pipeline.

This project includes 39,800 feet of 16-inch water main with nine long, subaqueous directional drills that will cross beneath the Indian River and Banana River. The Melbourne portion of the project is comprised of 20,400 feet of pipeline with five horizontal directional drills, and the Cocoa portion of the project is comprised of 19,400 feet of pipeline with four horizontal directional drills. Pipe materials of construction will be a combination of fusible PVC, HDPE, and ductile iron. Once completed, this project will provide improved reliability of potable water flows, pressures, and quality to residences, businesses, and a Space Force Base along a 40-mile stretch of Brevard County's barrier island south of Cape Canaveral.

Project Location
Melbourne and Cocoa, FL

Dates
6/2017 - 5/2022

Cost
CHA Fee:
$2,084,846 (Design)
$1,689,982 (CEI Services)

Construction:
$22,553,579 (final)

Engineer's OPCC:
~$29,713,876

Reference
City of Melbourne
Jennifer Spagnoli, PE, Assistant Public Works and Utilities Dir.
900 E Strawbridge Avenue
Melbourne, FL 32901
T: (321) 608-5000
F: N/A
jennifer.spagnoli@mlbfl.org

ATTACHMENT 4

REFERENCE AND PERFORMANCE QUESTIONAIRRE VERIFICATION FORM

RFP 2025-12 Professional Utility Engineering Services – Continuing Services for City of North Port
It is the intent of the City of North Port to request proposals from experienced and qualified firms for professional engineering services for the City of North Port.

1. Contractor Information (Proposer information)

FIRM NAME: CHA Consulting, Inc.

ADDRESS: 2502 N Rocky Point Drive, Suite 145, Tampa, FL 33607

Telephone number#: (813) 549-0919

E-mail: KMazana@chasolutions.com

Point of Contact Kelcia Mazana, MSE, EI **Contact Phone Number** (407) 917-9590

2. Worked Performed as X **Prime** ____ **Sub Contractor** ____ **Joint Venture** ____ **Other (Explain)**
Percent of project work performed ~85 **%**
If Subcontractor, who was the prime (Name/Phone #) N/A

3. CONTACT INFORMATION

Contract Number: City Project No. 30315

Contract Type: X Firm Fixed Price ____ Cost Reimbursement ____ Other (please specify):____

Contract Title:
Pineda Causeway Subaqueous Water Transmission Mains

Contract Location:
Melbourne and Cocoa, FL

Award Date (mm/dd/yy) 07/07/2017

Actual Completion Date: 05/02/2022

Original Contract Price (Award Amount): $1,190,266

Final Contract Price (to include all modifications, if applicable): $2,084,846 (Design) $1,698,982 (CEI/RPR)

Explain the Difference: Client requests for additional services

4. PROJECT DESCRIPTION: Complexity of Work X **HIGH** ____ **MED** ____ **ROUTINE**

How is this project relevant to project submission?

CHA provided design, permitting, and CEI/RPR services for 39,800 LF of 16-inch water main installation for the cities of Melbourne and Cocoa.

5. CLIENT INFORMATION
Name: Jennifer Spagnoli, PE **Title:** Public Works and Utilities Director
Name of Entity: City of Melbourne
Phone Number: (321) 608-5000 **E-Mail:**
Jennifer.Spagnoli@mlbfl.org

PERFORMANCE EVALUATION	(CHECK) "YES" OR "NO"
1. Was the scope of work performed similar in nature?	☑ YES OR ☐ NO
2. Did this company have the proper resources and personnel by which to get the job done? If no, please describe:	☑ YES OR ☐ NO
3. Were any problems encountered with the company's work performance? If yes, please describe:	☐ YES OR ☑ NO
4. How long did the company/individual work for you? on this project 2 5yrs. CHA formally Reiss has worked for City of Melbourne over 15 yrs	Years: 5 Months:
5. On a scale of 1 to 10, 10 being best, how would you rate the overall work performance, considering professionalism; final product; personnel; resources. Rate from 1 to 10. (10 being highest)	10
6. If the opportunity were to present itself, would you rehire this company? If no, please state why:	☑ YES OR ☐ NO
7. Date Questionnaire completed	(mm/dd/yy) 3/26/25

8. Please provide any additional comments pertinent to this company and the work performed for you (you may use additional pages): CHA formerly REISS has worked for the City of Melbourne over 15 years. and successfully completed numerous projects, studies, master plans, CEI services.

Signature

6.0 MGD WWTP EXPANSION

City of Haines City, FL

CHA is currently providing design, permitting, and construction-phase services for the city's WWTP expansion project. CHA is assisting the city in identifying and implementing projects that will increase the quality of effluent for the purposes of increasing the amount sold, produced at the Haines City WWTP. This will help alleviate a key constraint at the facility, which is the capacity of the on-site rapid infiltration basin (RIB).

The process improvements include a new headworks structure with new screening and grit removal equipment; the conversion of two existing oxidations ditches to an equalization basin; new 4.5 MGD five-stage biological treatment system; RAS/WAS pumping capacity improvements; the rehabilitation and replacement of existing gas chlorination feed equipment and monitoring equipment; solids handling improvements; civil, site, and stormwater upgrades to support the new process and systems; a hazardous waste assessment for demolishing the existing headworks; and electrical/SCADA system upgrades.

Project Location
Haines City, FL

Dates
2021 - Ongoing (Est. 2027)

Cost
CHA Fee:
$5,197,051

Construction:
TBD (ongoing)

Engineer's OPCC:
~$44.6M

Reference
City of Haines City
James Keene
Public Services Administrator
620 E Main Street
Haines City, FL 33844
T: (863) 421-9951 ext. 5954
F: N/A
James.Keene@hainescity.com

ATTACHMENT 4
REFERENCE AND PERFORMANCE QUESTIONAIRRE VERIFICATION FORM

RFP 2025-12 Professional Utility Engineering Services – Continuing Services for City of North Port
It is the intent of the City of North Port to request proposals from experienced and qualified firms for professional engineering services for the City of North Port.

1. Contractor Information (Proposer information)

FIRM NAME: CHA Consulting, Inc.

ADDRESS: 2502 N Rocky Point Drive, Suite 145, Tampa, FL 33607

Telephone number#: (813) 549-0919

E-mail: ADethloff@chasolutions.com

Point of Contact Allen Dethloff, PE **Contact Phone Number** (813) 549-0919

2. Worked Performed as X **Prime** _____ **Sub Contractor** _____ **Joint Venture** ____ **Other (Explain)**
Percent of project work performed ~45 **%**
If Subcontractor, who was the prime (Name/Phone #) N/A

3. CONTACT INFORMATION

Contract Number: #160503 and #160504

Contract Type: X Firm Fixed Price _____ Cost Reimbursement _____ Other (please specify):_____

Contract Title:
6.0 MGD WWTP Expansion

Contract Location:
Haines City, FL

Award Date (mm/dd/yy) 11/27/2021

Actual Completion Date: TBD (Est. 2027)

Original Contract Price (Award Amount): $5,197,051

Final Contract Price (to include all modifications, if applicable): TBD (ongoing)

Explain the Difference: N/A

4. PROJECT DESCRIPTION: Complexity of Work X **HIGH** _____ **MED** _____ **ROUTINE**

How is this project relevant to project submission?

CHA is currently providing design, permitting, and construction-phase services for the city's WWTP expansion project that includes a new headworks structure with new screening and grit removal equipment; converting two existing oxidations ditches to an EQ basin; new 6.0 MGD five-stage biological treatment system; RAS/WAS pumping capacity improvements; rehabilitating/replacing existing gas chlorination feed equipment and monitoring equipment; solids handling improvements; civil, site, and stormwater upgrades to support the new process and systems; a hazardous waste assessment for demolishing the existing headworks; and electrical/SCADA system upgrades.

5. CLIENT INFORMATION
Name: James Keene **Title:** Public Services Administrator
Name of Entity: City of Haines City
Phone Number: (863) 421-9951 x5954 **E-Mail:**
James.Keene@hainescity.com

PERFORMANCE EVALUATION	(CHECK) "YES" OR "NO"
1. Was the scope of work performed similar in nature?	☑ YES OR ☐ NO
2. Did this company have the proper resources and personnel by which to get the job done? If no, please describe:	☑ YES OR ☐ NO
3. Were any problems encountered with the company's work performance? If yes, please describe:	☐ YES OR ☑ NO
4. How long did the company/individual work for you?	Years: 12 Months: 7
5. On a scale of 1 to 10, 10 being best, how would you rate the overall work performance, considering professionalism; final product; personnel; resources. Rate from 1 to 10. (10 being highest)	8
6. If the opportunity were to present itself, would you rehire this company? If no, please state why:	☑ YES OR ☐ NO
7. Date Questionnaire completed	(mm/dd/yy) 03/17/25

8. Please provide any additional comments pertinent to this company and the work performed for you (you may use additional pages):

James R Keene
Signature

Page 47 of 113

TAB 7

LITIGATION AND INSURANCE

7. LITIGATION AND INSURANCE

CHA LITIGATION STATEMENT

CHA is a large professional engineering firm with over 40 offices throughout the United States and Canada. CHA performs thousands of projects each year. For a firm of its size and diversity, CHA's involvement in legal claims and lawsuits is remarkably infrequent, due chiefly to its competent and well-trained staff and its rigorous and comprehensive Technical Excellence Program. CHA has not been involved in any criminal matters nor had any disciplinary action taken against the firm or any of its officers. Nor has the firm had any civil judgments entered against it. However, claims against CHA do occur, and CHA has, over the past five years, been involved in ordinary civil litigation in the course of its business. CHA is confident in its ability to successfully defend, or settle on favorable terms, all such outstanding claims. Furthermore, for the protection of CHA and its clients, CHA always maintains a comprehensive insurance program that includes professional liability, workers' compensation, comprehensive general liability, automobile and umbrella policies, with limits sufficient to cover the defense and payment of all outstanding claims against CHA. In the opinion of CHA's management, no claim or lawsuit currently pending against CHA will materially affect CHA's ability to perform any ongoing or potential future project.

CERTIFICATE OF INSURANCE

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 7/30/2024

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 Ames & Gough 859 Willard Street Suite 320 Quincy MA 02169	**CONTACT NAME:** **PHONE (A/C, No, Ext):** 617-328-6555 **FAX (A/C, No):** 617-328-6555 **E-MAIL ADDRESS:** boston@amesgough.com
INSURED CHAHOLDING CHA Consulting, Inc. 3 Winners Circle Albany, NY 12205	**INSURER(S) AFFORDING COVERAGE** / **NAIC #** **INSURER A :** Phoenix Insurance Company A++, XV — 25623 **INSURER B :** Travelers Indemnity Company, A++, XV — 25658 **INSURER C :** Berkshire Hathaway Specialty Insurance Company — 22276 **INSURER D :** Travelers Indemnity Co. of America A++, XV — 25666 **INSURER E :** **INSURER F :**

COVERAGES **CERTIFICATE NUMBER:** 1907277103 **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 INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE [ ] OCCUR [X] GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY X PRO-JECT X LOC OTHER:			630-7E170386	8/1/2024	8/1/2025	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$ 1,000,000 $ 500,000 $ 15,000 $ 1,000,000 $ 2,000,000 $ 2,000,000 $
D	**AUTOMOBILE LIABILITY** X ANY AUTO ALL OWNED AUTOS [ ] SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			810-4S407410	8/1/2024	8/1/2025	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$ 1,000,000 $ $ $ $
B	X **UMBRELLA LIAB** X OCCUR **EXCESS LIAB** [ ] CLAIMS-MADE DED X RETENTION $ 10,000			CUP-4S539836	8/1/2024	8/1/2025	EACH OCCURRENCE AGGREGATE $	$ 15,000,000 $ 15,000,000 $
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N: N N/A **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below			UB-4S429322	8/1/2024	8/1/2025	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
C	Professional Liability & Pollution			47-EPP-308429-06	8/1/2024	8/1/2025	Per Claim Limit Aggregate Limit	$6,000,000 $10,000,000

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

All coverages are in accordance with the policy terms and conditions. If AI box is checked, GL Endorsement Form #CGD604, Auto AI #CAT499 to the extent provided therein applies and all coverages are in accordance with the policy terms and conditions.
Evidence of Coverage. The A&E Professional Liability policy listed above includes Pollution Liability coverage.

CERTIFICATE HOLDER

CHA Consulting, Inc. - Tampa, FL
2502 N Rocky Point Drive
Suite 145
Tampa FL 33607
USA

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

Jared Maxwell

ACORD 25 (2014/01) **The ACORD name and logo are registered marks of ACORD**

TAB 8

ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

A DEPTH OF EXPERIENCE AND SKILLED STAFF

Delivery of the types of projects you may require under this contract is best served with firms that provide a broad array of capabilities. CHA does just that. Unlike other firms, water-related infrastructure is one of CHA's primary focuses in Florida. The city will benefit from CHA's best practices and commitment to the level of quality that you expect. This includes a diverse portfolio of project managers experienced in working for Florida municipalities, including **Allen Dethloff, Barton Jones, Weston Haggen, Emily Staubus Williamson, Jim Hagerty, and Ed Talton.**

Local and Regional Master Planning/Hydraulic Modeling

CHA is well known for water supply planning and hydraulic modeling. As industry experts, we have served as technical advisors for many communities, helping plan their future system needs. Our master planning/hydraulic modeling discipline lead, **Ed Talton, PE,** led the award-winning Cypress Lake Potable Water Transmission, Optimization, and Interconnection Project for the Water Cooperative of Central Florida and the City of Fort Lauderdale's Comprehensive Utility Master Plan.

CHA provided the City of St. Cloud with comprehensive utility-wide master planning to help plan for the future, maintain the level of service to their customers, and make sure they do so in a cost-effective manner.

Water Treatment Facilities

CHA offers advanced water treatment facility services, including repair and rehabilitation for aging facilities or upgrades to help comply with the ever more stringent regulatory standards. CHA recently served as the design engineer for the CRUSA Water Production Facility for Polk County, as well as Seminole County's combined $65M in upgrades to three of it's four WTPs, adding ozone and GAC for DBP compliance.

Wastewater Treatment Facilities

CHA maintains a deep bench of wastewater treatment design personnel. For example, CHA staff member, **Jim Hagerty, PE,** is serving as the design lead for the 6.0 MGD expansion of the City of Port St. Lucie's Westport WWTF, and will be available to provide expert technical input for any wastewater assignment assigned under this contract. With the growth the city is experiencing, the depth of our wastewater team can be brought to bear where and when needed.

CHA designed numerous upgrades to Seminole County's Greenwood Lakes WRF and associated facilities. These operational improvements contributed to Seminole County's receipt of the 2014 Earl B. Phelps Award for Outstanding Wastewater Treatment Operations in Florida.

Pipeline Infrastructure

From non-destructive condition assessments of existing force mains to microtunnelling, to directional drilling techniques, we know pipelines. Notable projects include the City of Melbourne's Pineda Causeway, which included 39,800 feet of 16-inch water main with nine long, subaqueous directional drills crossing beneath the Indian and Banana Rivers; Orange County's Storey Park Utility Improvements with over 40,000 feet of water, reclaimed water, and force main pipe ranging from 12- to 36-inch in diameter, and SSNOCWTA's SR 426 (Aloma Avenue) 42-inch Force Main Replacement.

The City of Melbourne's Pineda Causeway Water Transmission Mains project won the ACEC Florida 2023 Honor Award in Category G "Water Resources."

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

Permitting

Beyond design capabilities is the need for specialized permitting and regulatory compliance skill sets. CHA has assisted in complex NPDES permitting (e.g., Tampa Bay Water Desal I NPDES concentrate discharge permit), DPB regulatory compliance projects, and wastewater operating permit renewals. **We are familiar with the permitting processes for the Southwest Florida Water Management District (SWFWMD) and Sarasota County Department of Health and are ready to support you.**

Hydrology/Hydrogeology

With the design, permitting, and construction expertise of CHA, along with our subconsultant hydrogeologist parter (RESPEC), Polk County Utilities now has the deepest ASR well in the world, serving as an important asset to the NWRWWTF. **Our teaming partner, RESPEC, while working for SWFWMD, worked on the City of North Port's WUP and helped the West Villages predecessors plan and design for groundwater supplies (i.e., future city brackish groundwater wellfield) in the West Villages Development area.** The CHA team is prepared to serve you in this area.

GIS/Data Management

Geographic information system (GIS) is a powerful tool used by utilities to efficiently manage the maintenance and condition of infrastructure and facilities. The benefits of GIS are significant and can increase the efficiency of utility staff operations and decision-making abilities. Having access to real-time system information saves utility staff time, improving the speed and accuracy of influential project decisions. CHA is fully capable of assisting clients in the implementation and utilization of GIS systems to improve efficiency and manage utility programs. The CHA team includes experts in the GIS field, supported by knowledgeable staff with direct experience in applying GIS technology to real-world utility projects. From general asset management, to specific hydraulic modeling integration applications, CHA's staff has successfully met challenges of GIS implementation issues and developed tools that help our clients manage complex systems more effectively.

Sewer Assessment and Rehabilitation (SAR)

Flow Monitoring - CHA's field crews excel in flow monitoring and SSES services, conducting daily tasks such as flow monitoring, smoke testing, manhole inspections, and sewer and force main pipe assessments.

Collection System Evaluation, I&I Abatement Design Support Services - Our teams use flow monitoring, CCTV inspections, manhole and pipe assessments, smoke testing, and other data to identify and prioritize I&I reduction needs. This information is integrated into SSES reports, outlining estimated costs for systematically addressing I&I-contributing sections of the collection system.

Sanitary Sewer Rehabilitation - Our team develops customized rehabilitation plans based on the specific needs and challenges of the sewer system. This includes designing solutions that align with industry standards, regulatory requirements, and the infrastructure's unique characteristics. We collaborate closely with clients to develop an efficient plan and schedule for implementing these improvements, taking economic factors into account. Additionally, we offer comprehensive design and construction phase services, including bid document preparation, bid evaluations, and contract administration and inspection services.

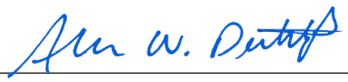
Funding Support

CHA has applied for and secured over $100 million in alternative funding for Florida clients over the past few years, including over $60 million through SRF loan funding for the City of Apopka's Wastewater Treatment Capacity Expansion; over $2.5 million in water management district cost-share funding for the City of Eustis' Wastewater Treatment and RIB Expansion; over $50 million in SRF loans and $5 million in cooperative funding for the City of Haines City's wastewater/reclaimed system improvements and $10 million in an FDEP Wastewater Grant for septic-to-sewer funding.

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE



32. DATE

4/1/2025

33. NAME AND TITLE

Allen Dethloff, PE, Florida Team Leader

TAB 9

CITY REQUIRED FORMS

Note: CHA has provided Attachments 3 and 4 in Tab 6 "References," as requested.

REQUIREMENTS AND METHOD OF SUBMITTAL

TAB 9 - CITY REQUIRED FORMS – This checklist is provided to assist each Proposer in the preparation of their response. Included in this ***checklist*** are important requirements, which is the responsibility of each Proposer to submit with their response in order to make their response fully compliant. It is the responsibility of each Proposer to read and comply with the solicitation in its entirety.

A. REQUIRED SUBMITTAL FORMS: Provide fully executed forms.

__X__ **ATTACHMENT 1:** Proposal Submittal Signature Form

__X__ **ATTACHMENT 2:** Statement of Organization

__X__ **ATTACHMENT 3:** References/Client Listing

__X__ **ATTACHMENT 4:** Reference and Performance Questionnaire Verification Form

__X__ **ATTACHMENT 5:** Drug-Free Workplace

__X__ **ATTACHMENT 6:** Public Entity Crime Information

__X__ **ATTACHMENT 7:** Non-Collusive Affidavit

__X__ **ATTACHMENT 8:** Lobbying Certification

__X__ **ATTACHMENT 9:** Conflict of Interest Form

__X__ **ATTACHMENT 10:** Disclosure Form (Consultant/Engineer/Architect)

__X__ **ATTACHMENT 11:** Scrutinized Company Certificate

__X__ **ATTACHMENT 12:** Vendor's Certification For E-Verify System

__X__ **ATTACHMENT 13:** Certification Regarding Debarment, Suspension, and other Responsibility Matters

__X__ **ATTACHMENT 14:** Certification Regarding Lobbying – Federal

__X__ **ATTACHMENT 15:** Affidavit of Compliance Regarding Foreign Entity of Concern Laws

__X__ **ATTACHMENT 16:** Anti-Human Trafficking Affidavit

__X__ **SAMPLE INSURANCE CERTIFICATE:** Demonstrate your firm's ability to comply with insurance requirements. Provide a previous certificate or other evidence listing the Insurance Companies names for both Professional Liability and General Liability and the dollar amounts of the coverage.

__X__ **DBE/MBE/WBE/VBE:** If claiming either Minority Business Enterprise/Women Business Enterprises/Veteran Business Enterprise, the Prime Firm (not sub-consultant) **shall be** certified as a Minority Business Enterprise by the State of Florida, Department of Management Services, Office of Supplier Diversity pursuant to Section 287.0943, Florida Statutes.

____ **YES,** CLAIMING STATUS AS PRIME ONLY
____ **YES,** I'VE ATTACHED THE CERTIFICATE OF MBE/WBE STATUS FROM THE STATE OF FLORIDA AS OUTLINED SECTION 1.
__X__ **NOT CLAIMING DBE/MBE/WBE /VBE**

PLEASE INITIAL AND RETURN WITH YOUR PROPOSAL. TDT **. THIS PAGE MUST BE COMPLETED AND REURNED WITH PROPOSAL.**

B. METHOD OF SUBMITTAL:

1. **NUMBER OF SUBMITTAL PACKAGES:** One (1) original hard-copy **UNBOUND** (marked **"ORIGINAL"**) with signature in blue ink. **NUMBER OF COPIES:** three (3) hard copies **BOUND** (marked **"COPY"**).
   (1 original + 3 copies = 4 total submittals).

2. **NUMBER OF PAGES:** The proposal **shall not exceed** twenty -two **(22)** one-sided pages or eleven **(11)** double-sided pages in length. ***(The Title Page, City Required Forms, 330 Form, resumes and tabs do not count towards the TOTAL NUMBER OF PAGES).***

   2.1 When compiling a response, sections should be tabbed and labeled; pages should be sequentially numbered at the bottom of the page; proposals should be bound to allow flat stacking for easy storage; **do not use three ring binders of any kind**; and sections should be compiled in the sequence list above.

   2.2 Place proposal with all the required items in a sealed envelope clearly marked for specification number, project name, name of proposer, and due date and time.

3. **PAPER/FONT SIZE:** Letter size 8.5"x11"/Font Calibri 11, PDF FORMAT.

4. **USB FLASH DRIVE:** One (1) electronic version in Portable Document Format (PDF) **on a USB Drive only** containing the entire submittal. **CDs will not be accepted.**

5. **SUBMIT SEALED PROPOSAL PACKAGE WITH THE FOLLOWING INFORMATION CLEARLY MARKED ON THE OUTSIDE PACKAGING (FedEx, UPS, USPS, etc.): "RFP NO. 2025-12 PROFESSIONAL ENGINEERING SERVICES – CONTINUING SERVICES CONTRACTS FOR CITY OF NORTH PORT"** to the address below:

   City of North Port
   Finance Department - Purchasing Division
   Donald "Keith" Raney, Contract Administrator II
   4970 City Hall, 3 RD Floor, Suite 337
   North Port, Florida 34286

Note: Submissions received after the due date and time stated on the Notice of Availability or subsequent Addenda will not be accepted.

ATTACHMENT 1
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 2/7/25 Addendum No. 4 Dated 3/10/25
Addendum No. 2 Dated 2/11/25 Addendum No. 5 Dated 3/13/25
Addendum No. 3 Dated 2/25/25 Addendum No. _____ Dated _____

Company Name CHA Consulting, Inc.

(813) 549-0919	BJones@chasolutions.com	N/A
Telephone #	**E-Mail**	**Fax #**

3 Winners Circle
Main Office Address

Albany	NY	12205
City	**State**	**Zip Code**

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

2502 N Rocky Point Drive, Suite 145
Office Address

Tampa	FL	33607
City	**State**	**Zip Code**

(813) 549-0919	BJones@chasolutions.com	N/A
Telephone #	**E-mail**	**Fax #**

Thomas D. Titsworth, Assistant Secretary
Name & Title of Firm Representative

Signature March 13, 2025 **Date**

Do you accept Visa? ☐ **YES** ☒ **NO**

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

ATTACHMENT 2
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: CHA Consulting, Inc.

DBA (if any):

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

Business Address: 3 Winners Circle, Albany, NY 12205

Phone: (813) 549-0919 **Fax:** N/A

E-Mail BJones@chasolutions.com

Print Name and Title of person authorized to bind: Thomas D. Titsworth, Assistant Secretary

Federal Identification Number: 16-0966259

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:	New York		
Name as spelled in that State:	CHA Consulting, Inc.		
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.: F08000004937

Does it use a registered fictitious name: ☐ Yes or ☒ No

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

Names of Officers:

President: James Stephenson **Secretary:** Michael A. Platt, Esq.

Vice President: Michael A. Platt, Esq. **Treasurer:** Doug Nelson

Director: James Stephenson **Director:** Doug Nelson

Other: N/A **Other:** N/A

Name of Corporation (As used in Florida):
CHA Consulting, Inc.
(Spelled exactly as it is registered with the state or federal government)

Corporate Address:

Post Office Box: 3 Winners Circle
City, State Zip: Albany, NY 12205
Street Address:
City, State, Zip:

STATE OF New York
COUNTY OF Albany

Sworn to and subscribed before me this 13th day of March, 20 25, by Thomas D. Titsworth who ☒ is personally known to me or ☐ has produced ~~his/her~~ driver's license as identification.

JONATHAN HOWARD BARD
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 02BA6359467
Qualified in Dutchess County
Commission Expires May, 30, 2025

Notary Public - State of ~~Florida~~ New York
Print Name: Jonathan H. Bard
Commission No: 02BA63659467

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

ATTACHMENT 5
DRUG FREE WORKPLACE FORM

The undersigned Consultant in accordance with Florida Statute 287.087 hereby certifies that CHA Consulting, 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:

[X] 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

March 13, 2025

Date

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

ATTACHMENT 6
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, Thomas D. Titsworth, being an authorized representative of the Respondent, CHA Consulting, Inc., located at 2502 N Rocky Point Drive, Suite 145

City: Tampa State: FL Zip Code: 33607, 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: _____ Date: March 13, 2025

Telephone #: (813) 549-0919 Fax #: N/A

Federal ID #: 16-0966259

STATE OF New York
COUNTY OF Albany

Sworn to and subscribed before me this 13th day of March, 20 25, by Thomas D. Titsworth who ☒ is personally known to me or ☐ has produced his/her driver's license as identification.

JONATHAN HOWARD BARD
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 02BA6359467
Qualified in Dutchess County
Commission Expires May, 30, 2025

_____
Notary Public - State of ~~Florida~~ New York

Print Name: Jonathan H. Bard

Commission No: 02BA6359467

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ATTACHMENT 7
NON-COLLUSIVE AFFIDAVIT

State of New York
County of Albany
} SS.

Before me, the undersigned authority, personally appeared:
Thomas D. Titsworth who, being first duly sworn, deposes and says that:

1. (He)/She is the Assistant Secretary (Owner, Partner, Officer, Representative or Agent) of CHA Consulting, 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 13th **day of** March, 2025

By: _____

Thomas D. Titsworth
(Printed Name)
Assistant Secretary
(Title)

STATE OF New York
COUNTY OF Albany

Sworn to and subscribed before me this 13th day of March, 2025, by Thomas D. Titsworth who ☒ is personally known to me or ☐ has produced his/her driver's license as identification.

JONATHAN HOWARD BARD
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 02BA6359467
Qualified in Dutchess County
Commission Expires May, 30, 2025

Notary Public - State of ~~Florida~~ New York
Print Name: Jonathan H. Bard
Commission No: 02BA6359467

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ATTACHMENT 8
LOBBYING CERTIFICATION

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

STATE OF New York

COUNTY OF Albany

This 13th day March of 2025

Thomas D. Titsworth, being first duly sworn, deposes and says that (he) or she is the authorized representative of CHA Consulting, 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 13th **day of** March **, 2025.**

By: _____

Thomas D. Titsworth
(Printed Name)
Assistant Secretary
(Title)

STATE OF New York
COUNTY OF Albany
Sworn to (or affirmed) and subscribed before me by means of X physical presence or ___ online notarization, this 13th day of March 2025, by Thomas D. Titsworth.

JONATHAN HOWARD BARD
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 02BA6359467
Qualified in Dutchess County
Commission Expires May, 30, 2025

_____
Notary Public – State of New York

Personally Known X OR Produced Identification ____
Type of Identification Produced N/A (Personally Known)

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ATTACHMENT 9
CONFLICT OF INTEREST FORM

F.S. §112.313 places limitations on public officers (including advisory board members) and employees' ability to contract with the City either directly or indirectly. Therefore, please indicate if the following applies:

PART I.

☐ I am an employee, public officer or advisory board member of the City _____**(List Position Or Board)**

☐ I am the spouse or child of an employee, public officer or advisory board member of the City
Name: _____

☐ An employee, public officer or advisory board member of the City, or their spouse or child, is an officer, partner, director, or proprietor of Respondent or has a material interest in Respondent. "Material interest" means direct or indirect ownership of more than 5 percent of the total assets or capital stock of any business entity. For the purposes of [§112.313], indirect ownership does not include ownership by a spouse or minor child.
Name: _____

☐ Respondent employs or contracts with an employee, public officer or advisory board member of the City
Name: _____

☒ None Of The Above

PART II:

Are you going to request an advisory board member waiver?

☐ I will request an advisory board member waiver under §112.313(12)

☐ I will NOT request an advisory board member waiver under §112.313(12)

☒ N/A

The City shall review any relationships which may be prohibited under the Florida Ethics Code and will disqualify any vendors whose conflicts are not waived or exempt.

COMPANY: CHA Consulting, Inc.

SIGNATURE: _____ Thomas D. Titsworth

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ATTACHMENT 10

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: CHA Consulting, Inc.

NAME (PERSON AUTHORIZED TO BIND THE COMPANY): Thomas D. Titsworth

SIGNATURE: _____ **DATE:** March 13, 2025

THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

ATTACHMENT 11
SCRUTINIZED COMPANY CERTIFICATION FORM

Contractor Name: CHA Consulting, Inc.
Authorized Representative Name and Title: Thomas D. Titsworth, Assistant Secretary
Address: 2502 N Rocky Point Drive, Suite 145 City: Tampa State: FL ZIP: 33607
Phone Number: (813) 549-0919 Email Address: BJones@chasolutions.com

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

X This 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:

Signature of Contractor's Authorized Representative

Thomas D. Titsworth
Name

Assistant Secretary
Title

March 13, 2025
Date

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ATTACHMENT 12
VENDOR'S CERTIFICATION FOR E-VERIFY SYSTEM

The undersigned Vendor/Consultant/Contractor (Vendor), after being duly sworn, states the following:

1. Vendor is a person or entity that has entered into or is attempting to enter into a contract with the City of North Port (City) to provide labor, supplies, or services to the City in exchange for salary, wages or other renumeration.

2. Vendor has registered with and will use the E-Verify System of the United States Department of Homeland Security to verify the employment eligibility of:

    a. All persons newly hired by the Vendor to perform employment duties within Florida during the term of the contract; and

    b. All persons, including sub-contractors, sub-vendors or sub-consultants, assigned by the Vendor to perform work pursuant to the contract with the City.

3. If the Vendor becomes the successful Contractor who enters into a contract with the City, then the Vendor will comply with the requirements of Section 448.095, Fla. Stat. "Employment Eligibility", as amended from time to time.

4. Vendor will obtain an affidavit from all subcontractors attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien as defined in 8 United States Code, Section 1324A(H)(3).

5. Vendor will maintain the original affidavit of all subcontractors for the duration of the contract.

6. Vendor affirms that failure to comply with the state law requirements can result in the City's termination of the contract and other penalties as provided by law.

7. Vendor understands that pursuant to Florida Statutes, section 448.095, the submission of a false certification may result in the termination of the contract if one is entered into, and may subject the Vendor named in this certification to civil penalties, attorney's fees and costs.

VENDOR: CHA Consulting, Inc. (Vendor's Company Name)

Certified By: _____
AUTHORIZED REPRESENTATIVE SIGNATURE

Print Name and Title: Thomas D. Titsworth, Assistant Secretary

Date Certified: March 13, 2025

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ATTACHMENT 13
CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS
PRIMARY COVERED TRANSACTIONS

This contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000.

The Contractor certifies that, neither the firm nor any person associated therewith in the capacity of owner, partner, director, officer, principal, investigator, project director, manager, auditor, and/or position involving the administration of federal funds:

(a) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions, as defined in 49 CFR s29.110(a), by any federal department or agency;

(b) has within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state, or local government transaction or public contract; violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) is presently indicted for or otherwise criminally or civilly charged by a federal, state, or local governmental entity with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) has within a three-year period preceding this certification had one or more federal, state, or local government public transactions terminated for cause or default.

The Contractor certifies that it shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this project by any federal agency unless authorized by the City of North Port.

The Contractor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

This certification is a material representation of fact relied upon by the City of North Port. If it is later determined that the contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to the City of North Port, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

The bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer.

The Contractor further agrees to include a provision requiring such compliance in its lower tier covered transactions.

CHA Consulting, Inc.	16-0966259	118240632
Company Name (Contractor)	Tax ID Number	DUNS Number
Thomas D. Titsworth		
Authorized Representative Name	Authorized Representative Signature	

Tax ID: 16-0966259 DUNS Number: 118240632
Cage Code: 4M848

Federal Issued Tax Identification Number (If Social Security number DO NOT enter) | DUNS Number | CAGE Code issued through www.sam.gov

DATE: March 13, 2025

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ATTACHMENT 14

- CERTIFICATION REGARDING LOBBYING-FEDERAL

The undersigned certifies, to the best of his or her knowledge, that:

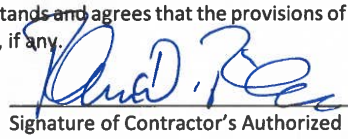
1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

The Contractor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.



Signature of Contractor's Authorized Representative

Thomas D. Titsworth

Name

Assistant Secretary

Title

March 13, 2025

Date

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ATTACHMENT 15
AFFIDAVIT OF COMPLIANCE REGARDING FOREIGN ENTITY OF CONCERN LAWS

The undersigned, on behalf of the entity listed below ("Entity"), hereby attests and declares as follows:

1. Entity is not owned by the government of a foreign country of concern as defined in Florida Statutes Section 287.138.
2. The government of a foreign country of concern does not have a controlling interest in Entity.
3. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
4. Entity is not owned or controlled by the government of a foreign country of concern, as defined in Florida Statutes Section 692.201.
5. Entity is not a partnership, association, corporation, organization, or other combination of persons organized under the laws of or having its principal place of business in a foreign country of concern, as defined in Florida Statutes Section 692.201, or a subsidiary of such entity.
6. Entity is not a foreign principal, as defined in Florida Statutes Section 692.201.
7. Entity complies, if purchasing real property, with all applicable requirements of Florida Statutes Sections 692.202, 692.203, and 692.204.
8. If purchasing real property, Entity is not a foreign principal prohibited from purchasing the subject real property. Entity is either (1) not a person or entity described in Florida Statutes Section 692.204(1)(a) or (2) authorized under Florida Statutes Section 692.204(2) to purchase the subject property. Entity complies with the requirements of Florida Statutes Section 692.204.
9. The undersigned is authorized to execute this affidavit on behalf of Entity.

Under penalties of perjury, I declare that I have read the foregoing document and that the facts stated in it are true.

ENTITY

CHA CONSULTING, INC. **[insert name of legal entity, in bold ALLCAPS]**

 **[signature]**

Thomas D. Titsworth, Assistant Secretary **[insert name and title]**

March 13, 2025 **[insert date]**

ATTACHMENT 16
Anti-Human Trafficking Affidavit

Instructions: This form must be completed by an officer or representative of an entity registering as a vendor, entering into, renewing, or extending, a contract with the City of North Port.

The undersigned, on behalf of CHA Consulting, Inc. ("Entity"), verifies the following:

A. I have read and understand that Florida Statutes Section 787.06(13), prohibits the City of North Port ("City") from executing, renewing, or extending a contract to entities that use coercion for labor or services, with such terms defined in Florida Statutes Section 787.06(2) as follows:

- **"Coercion"** means: **(1)** using or threatening to use physical force against any person; **(2)** restraining, isolating, or confining or threatening to restrain, isolate, or confine any person without lawful authority and against her or his will; **(3)** using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined; **(4)** destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person; **(5)** causing or threatening to cause financial harm to any person; **(6)** enticing or luring any person by fraud or deceit; or **(7)** providing a controlled substance as outlined in Schedule I or Schedule II of Section 893.03, Florida Statutes, to any person for the purpose of exploitation of that person.
- **"Labor"** means work of economic or financial value.
- **"Services"** means any act committed at the behest of, under the supervision of, or for the benefit of another. The term includes, but is not limited to, forced marriage, servitude, or the removal of organs.

B. I declare, under penalties of perjury, that Entity does not use coercion for labor or services as defined in Florida Statutes Section 787.06(2).

C. I understand that this affidavit applies to any City contract executed, renewed, or extended for the duration of the contract; and the Entity must execute and submit this affidavit at least annually in the vendor registration and renewal process.

I, the undersigned, understand and affirm that the above statements are based upon personal knowledge; that I am over the age of 18 years and otherwise competent to make the above statements; and am authorized to legally bind the Entity, and make the above statements on behalf of Entity. **Under penalties of perjury, I declare that I have read the forgoing document and that the facts stated in it are true.**

Authorized Signature: _____ Date: March 13, 2025

Printed Name: Thomas D. Titsworth Title: Assistant Secretary

STATE OF New York
COUNTY OF Albany
Sworn to (or affirmed) and subscribed before me by means of ☒ physical presence or ☐ online notarization, this 13th day of March, 20 25, by Thomas D. Titsworth, as Assistant Secretary of CHA Consulting, Inc., the Entity, and is ☒ personally known to me or ☐ produced identification. Type of Identification produced N/A (Personally Known).

_____
Signature of Notary Public
Jonathan H. Bard
Name of Notary Typed, Printed or Stamped
My Commission Expires: 5/30/2025

JONATHAN HOWARD BARD
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 02BA6359467
Qualified in Dutchess County
Commission Expires May, 30, 2025

PREPARED FOR:

CITY OF NORTH PORT
Finance Department – Purchasing Division
4970 City Hall Boulevard, Suite 337
North Port, FL 34286

FOR MORE INFORMATION, PLEASE CONTACT:

EMILY STAUBUS WILLIAMSON, PE
Client Service Manager
T: (813) 819-0565
E: EWilliamson@chasolutions.com