Mandatory Questions

These questions are Pass/Fail. To be considered responsive, responsible and eligible for award, you must answer all questions in this section.

DO NOT INCLUDE ANY COST INFORMATION IN YOUR RESPONSE TO THIS WORKSHEET.

Question #	Questions per Proposal Factors/Categories	Response by Offeror. Only Yes or No Answers	Upload Attchts with Additional Information?	Attachment File Name
	Proposal Factors			
1	List any criminal violations and/or convictions of the Proposer and/or any of its principals: (N/A is not an acceptable answer).	NO	IF YES	
2	List any judgements from lawsuits in the last five (5) years: (N/A is not an acceptable answer).	NO	IF YES	
3	List any lawsuits pending or completed within the past five (5) years involving the corporation, partnership or individuals with more than ten percent (10%) interest: (N/A is not an acceptable answer).	NO	IF YES	
4	Has the Proposer or any of its principals ever been declared bankrupt or reorganized under Chapter 11 or put into receivership?	NO	IF YES	
5	Proposers are required to submit all licenses and certifications required to perform this project. State of Florida Professional Engineers License.	YES	Y	FILE #4
6	Proposers are required, to submit a copy of their Insurance Certificate for the type and dollar amount of insurance they currently maintain.	YES	Y	FILE #4
7	Acknowledgement of Addenda	YES	Y	FILE #4
8	Complete and upload Consultant's Questionnaire	YES	Y	FILE #4
9	Complete and upload Certification page	YES	Y	FILE #4
10	Complete and upload E-Verify Form	YES	Y	FILE #4
11	Complete and upload Drug Free Workplace Form	YES	Y	FILE #4
12	Complete and upload Consultant Code of Ethics	YES	Y	FILE #4
13	Complete and upload Consultant Verification Form	YES	Y	FILE #4
14	Complete and upload Non-Collusion Affidavit	YES	Y	FILE #4
15	Complete and upload Checklist	YES	Y	FILE #4
16	Submit W-9	YES	Y	FILE #4
17	Complete and upload Truth-In Negotiation Certificate and Affidavit	YES	Y	FILE #4
18	Use the reference check form to provide FIVE (5) references for projects within the last ten (10) years similar in scope to the services described in this RFP.	YES	Y	FILE #4

Design Services for the Glades-Tradition Reuse Water Main Project **RFP # 20200081**

Mandatory Scored Questions				
Offerors must answer all the questions in this spreadhseet in the cell provided.				
Failure to answer these questions will result in disqualification of the proposal.				
Offerors must indicate whether their proposal meets the individual requirement and provide a supporting narrative in the space provided. The narrative description, along with any required supporting materials, will be evaluated and awarded points in accordance with Section 9, Proposal Evaluation and Award. ONLY upload documents if there is a Yes in the "Upload Attachs with Additional Information?" column, to provide additional information about specific questions. Documents not requested in this column will not be evaluated.				
DO NOT INCLUDE ANY COST INFORMATION IN YOUR RESPONSE TO THIS WORKSHEET.				
Question #	Questions per Proposal Factors/Categories	Response by Offeror)	Upload Attchts with Additional Information?	Attachment File Name
1	Proposer's Location - Location shall mean a business which meets the following criteria: # of Miles from City Hall to Assigned Staff's Office location 0-60 = 50 Points 61-80 = 40 Points 81-100 = 30 Points 101-120 = 20 Points 121-140 = 10 Points 140+ = 0 Points	0-60	Y	FILE #3
2	Woman/Veteran/Minority Owned Business. Does the Primary firm hold a Minority Business Certification by the Florida Department of Management Services, as described in section 8 of the document? If so, please attach.	YES	IF YES	FILE #4
3	Proposer's Work Plans. This section should include, but is not limited to, special concerns or accommodations needed for a successful project.	YES	Y	FILE #4
4	Project plan. A project plan is a formal document designed to guide the control and execution of a project. A project plan is the key to a successful project and is the most important document that needs to be created when starting any business project.	YES	Y	FILE #4
5	What is your proposed Management Plan for this project? Management Plan. This section shall describe the Firm's detailed plans for accomplishing the objectives of the project. It should include methods for planning, organizing, scheduling, coordinating, and administering the total effort. Explain the overall approach to the project. A submission of sample tables and graphs that are reflective of the survey work typically performed by the consultant should be included in the proposal.	YES	Y	FILE #4
	1) Planning	YES	Y	FILE #4
	2) organizing	YES	Y	FILE #4
	3) scheduling work	YES	Y	FILE #4
	4) coordination with the City during design and construction	YES	Y	FILE #4
	5) internal quality assurance and quality control	YES	Y	FILE #4
	6) project administration during design	YES	Y	FILE #4
	7) project administratoin during construction	YES	Y	FILE #4
6	Provide a detailed description of your firm's experience with Utility Easements, i.e. Florida Power and Light, Railroad Crossings, etc.	YES	Y	FILE #4

7	Explain the overall approach/Method/Technique of 5 projects similar in scope that you have done in the past ten years that your firm was the primary engineer on. Including internal project management objectives and criteria. Please include:	YES	Y	FILE #3
	1) Contact Organization and contact name. Please include a current phone number(s) and email address(es).	YES	Y	FILE #3
	2) Describe the type of project and major project elements	YES	Y	FILE #3
	3) Dollar values for design and construction (If the project included other facilities besides a pipeline, i.e. a pumping station or receiving tank or pond, please breakout the costs and lists seperately.)	YES	Y	FILE #3
	4) Fluid conveyed	YES	Y	FILE #3
	5) Year project was designed and year the project built and placed into service.	YES	Y	FILE #3
	6) Pipe diameter and length. Please also include a description of the origin facilities and receiving facilities and if they were part of the project or existing.	YES	Y	FILE #3
	7) Describe all of the services that were provided by your firm for this project.	YES	Y	FILE #3
	8) Was the construction location primariy urban or rural?	YES	Y	FILE #3
	9) What were some of the major design and construction issues that had to be overcome?	YES	Y	FILE #3
	10) Staff involved on that project and their role(s)	YES	Y	FILE #3
	11) List any subconsultants (i.e. surveyors, electrical engineers, construction inspection, etc.) that worked on this project and their role.	YES	Y	FILE #3
8	Provide a listing of firm's current contracts.	YES	Y	FILE #4
9	Please complete and attach Form 330 part I and II for evaluation of qualifications and staff/personnel.	YES	Y	FILE #3
10	Executive summary. This section should include the Firm's overall concept of the working relationship that will be required to successfully complete this project. The proposer shall provide an executive summary narrative containing information that indicates an understanding of the overall need for and purpose of the services presented in the RFP.	YES	Y	FILE #4
11	Value-added services. This term is used for non-core services, or, all services beyond the identified scope. Does the firm recommend any optional value-added services?	YES	Y	FILE #4
12	Proposed Schedule. Detailed description of the proposed schdule for engineering design and construction services for this project. Please include a bar chart along with any narrative description. Making adjustment for issues that may arise during this project, what is your proposed schedule for this project? This section shall include a detailed breakdown and timelines for achieving the scope of work, with a delineation of assigned staff for each task associated with the project. Also include quality assurance efforts for the data collection and analysis tasks, a process for ensuring that no individual respondents will be identified, and a project timeline. The consultant must have sufficient equipment and personnel for back-up and/or emergencies to assure prompt scheduling and completion of services within the schedule. *Final project schedule will be negotiated with awarded firm.	YES	Y	FILE #4
13	Other Material. Please include any additional material that may assist the City in evaluating the proposals and approach to the project. Pre-printed advertisements, brochures, and promotional material may be attached as additional information, but shall not serve as a substitute for a specific response. Attachment of brochures instead of the written response request will be grounds for disqualification or devaluation. A simple "yes" or "no" answer alone will not be acceptable unless clearly requested; an explanation shall be provided for each question/issue listed in this response outline. However, clarity and brevity of presentation, not length, will be favorably considered.	YES	Y	FILE #4

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

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

Design Services for the Glades-Tradition Reuse Water Main Project

2. PUBLIC NOTICE DATE	3. SOLICITATION OR PROJECT NUMBER
July 16, 2020	#20-001-PROFSERVICES

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Andrea Holtz, PE

5. NAME OF FIRM

Holtz Consulting Engineers, Inc.

6. TELEPHONE NUMBER	7. FAX NUMBER	8. E-MAIL ADDRESS
561-575-2005	561-575-2009	andrea.holtz@holtzconsulting.com

C. PROPOSED TEAM

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

	(Check) PRIME	(Check) J-V PARTNER	(Check) SUBCON-TRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
a.	✔			Holtz Consulting Engineers, Inc. ☐ CHECK IF BRANCH OFFICE	607 SW St. Lucie Crescent, Suite 103, Stuart, FL 34994	Prime Consultant - Civil Engineering Design, Permitting, Bidding, and Construction Administration
b.			✔	Betsy Lindsay, Inc. ☑ CHECK IF BRANCH OFFICE	7997 SW Jack James Drive, Stuart, FL 34997	Surveyor
c.			✔	Andersen Andre Consulting Engineers ☐ CHECK IF BRANCH OFFICE	834SW Swan Avenue, Port St. Lucie, FL 34983	Geotechnical Engineering
d.			✔	Underdog Utility Detection ☐ CHECK IF BRANCH OFFICE	3524 Lone Pine Road, Delray Beach Florida, 33445	Underground Utility Locates
e.			✔	☐ CHECK IF BRANCH OFFICE		
f.			✔	☐ CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM ☑ *(Attached)*

Client Service Manager: Christine Miranda, PE ●
Project Manager: Curtis Robinson, PE ●

Senior Engineers
David Holtz, PE, BCEE ●
Steve Fowler, PE ●
Larry Lardieri, PE ●

Grant Writing and Funding Analysis
Andrea Holtz, PE ●

Project Engineers
Matthew Paymer, PE ●
Kaitlin Wood, EI ●
Harrison Barron, EI ●

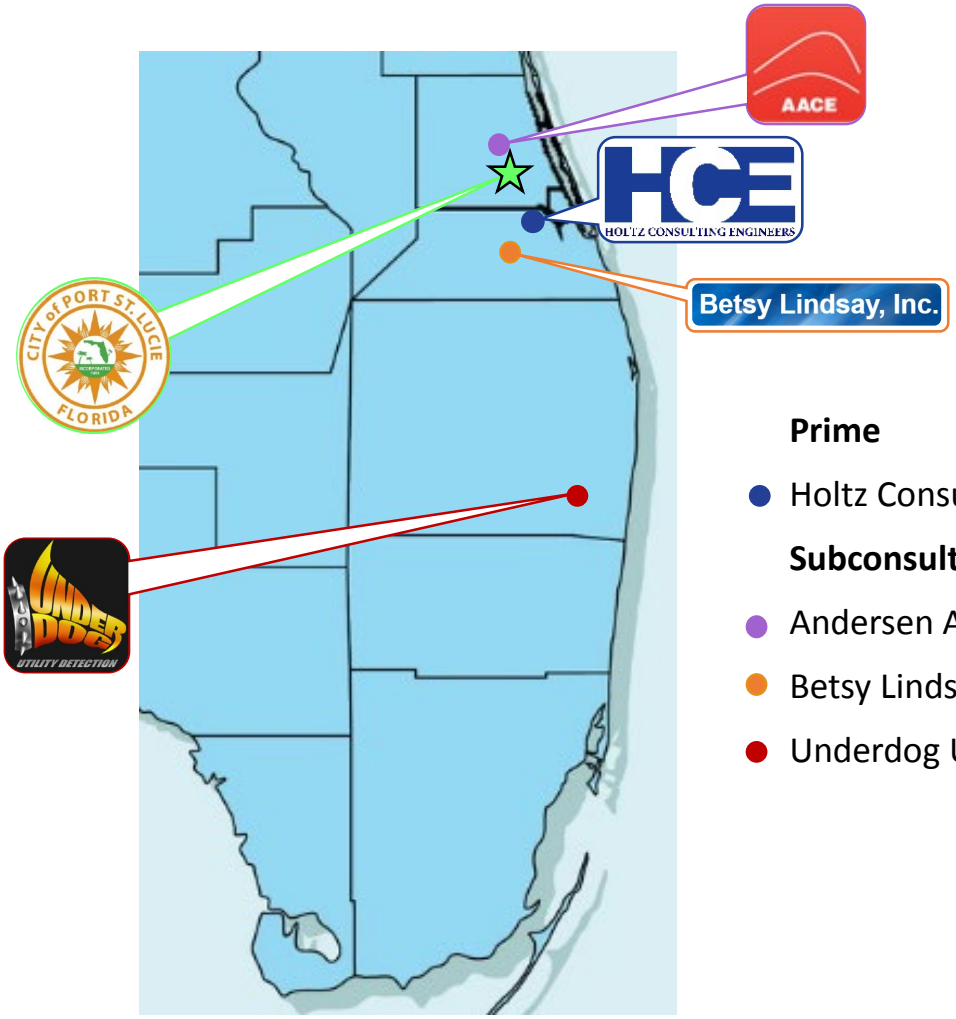
Designer/Drafters
Russell Ryan ●
Felix Granados ●

Construction Inspection
Linwood Lee ●
Ray Hernandez ●

Survey
Betsy Lindsay ●

Geotechnical Engineering
Peter Andersen ●

Underground Utility Locates
Justin Ryan ●



Prime
● Holtz Consulting Engineers

Subconsultants
● Andersen Andre Consulting Engineers
● Betsy Lindsay, Inc.
● Underdog Utility Detection LLC

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
Christine Miranda, PE	Client Service Manager	21	8

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

Holtz Consulting Engineers, Inc. Stuart, Florida

16. EDUCATION *(Degree and Specialization)*	*17.* CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
BS Bioresource Engineering, 1999 Rutgers University	Professional Engineer Florida, Civil Engineering

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

Florida Water Environment Association – Florida Select Society of Sanitary Sludge Shovelers

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Boca iSIP Projects Neighborhood WM FM Replacements (Boca Raton, FL)

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

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

HCE was selected by the City of Boca Raton to complete the utility locating, geotechnical investigation, survey, design, permitting, bidding and construction services for infrastructure improvements in three neighborhoods. HCE has completed the design and permitting of one of the Country Club Village and SW 18th St neighborhoods, which included a 16-inch water main under Interstate-95. This neighborhood is now under construction, and HCE is at the 60% design phase of the second neighborhood. **Engineering Fees to Date:** $521,713.29 **Specific Role:** Project Manager

b.

(1) TITLE AND LOCATION *(City and State)*: Floresta Drive Utility Adjustment Plans (Port St. Lucie, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2020; CONSTRUCTION *(If applicable)*: N/A

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

HCE provided design engineering services for the relocation of water mains, low pressure force mains, and force mains within the City of Port St. Lucie along approximately three miles of Floresta Drive from Elkcam Waterway to Prima Vista Boulevard. As part of this project, HCE prepared drawings to depict the proposed utility relocations in accordance with FDOT and City of Port St. Lucie Standards. Utility locations are being performed as a response to proposed FDOT widening of the roadway, and new stormwater improvements. **Specific Role:** Project Manager

c.

(1) TITLE AND LOCATION *(City and State)*: LRD Jupiter Plantation Force Main Replacement (Jupiter, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2016; CONSTRUCTION *(If applicable)*: 2016

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

This project included the utility locating, surveying, geotechnical investigation, design, permitting, bidding and services during construction for the replacement of 1,100 linear feet of 4- inch cast iron force main from Lift Station #13 to the discharge connection at the manhole on Center Street west of Plantation Way. Installation of the new force main was both via open-cut and horizontal direction drill methods. This project included work with the Palm Beach County Right-of-Way. The design and construction of this project is complete. **Total Engineering Fee:** $28,882.00 **Specific Role:** Project Engineer

d.

(1) TITLE AND LOCATION *(City and State)*: LRD Loxahatchee River Road IQ Main and Force Main (Jupiter, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2019; CONSTRUCTION *(If applicable)*: 2019

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

HCE assisted the Loxahatchee River District with the installation of a new force main and reclaimed water main along Loxahatchee River Road. The project consisted of approximately 3,200 linear feet of new 4-inch PVC force main and 150 linear feet of 2-inch PVC low-pressure force main installed via open-cut methods. The portion of the mains that crossed underneath a tributary within the Northwest Fork of the Loxahatchee River were installed via horizontal directional drilling (HDD) methods. This included approximately 400 linear feet of 4-inch and 2-inch HDPE force main and 400 linear feet of 16-inch HDPE reclaimed water main that was constructed concurrently. The new force main provided a backup and alternative routing of wastewater flows in the sewage conveyance system. The proposed reclaimed water main replaced the existing aerial crossing pipe at the end of its useful life. HCE provided surveying, engineering design, permitting, bidding assistance, and services during construction related to the force main extension and reclaimed water project.
Construction Cost: $458,486 **Specific Role:** Project Manager

e.

(1) TITLE AND LOCATION *(City and State)*: City of Stuart Water Main Replacement Project and FDEP SRF Funding (Stuart, FL)

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

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

Project included design, permitting, and Florida Department of Environmental Protection (FDEP) State Revolving Fund funding assistance, of approximately 59,000 linear feet of 6-inch through 12-inch water mains in existing residential neighborhoods and commercial developments for the City of Stuart. The new mains will replace inadequately sized mains, looped dead ends, old mains, and increase fire protection for the City. The mains are located in City, County, and Florida Department of Transportation right-of-ways. **Construction Cost:** $5,039,297 **Specific Role:** Project Manager

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
Curtis D. Robinson	Project Manager	17	11

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

Holtz Consulting Engineers, Inc. Stuart, Florida

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
BS Civil Engineering, 2001 MS Engineering Management, 2003 Missouri University of Science and Technology	Professional Engineer Florida, Civil Engineering

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

Certified Bentley WaterCAD Master Modeler

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Design Services for the Melaleuca Boulevard Force Main (Port St. Lucie, FL)

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

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

[✔] Check if project performed with current firm

Curtis is currently serving as the project manager for the design, permitting, bidding, and construction of approximately 6,600 linear feet of new force main. The new force main is being designed to convey wastewater from the City's Lift Station SP-40 along SE Melaleuca Boulevard to the west, where it will ultimately tie into an existing 16-inch force main beneath the southbound travel lanes of Lennard Road. As part of this project, HCE is performing a hydraulic evaluation of the existing force main system serving Lift Staiton Nos. SP-16, SP-40, and SP-42 to determine the appropriate size diameter for the new force main.

Specific Role: Project Manager

b.

(1) TITLE AND LOCATION *(City and State)*: SMRU Greenland Palm Force Main Extension (Hobe Sound, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2019; CONSTRUCTION *(If applicable)*: 2019

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

[✔] Check if project performed with current firm

This project involved surveying, design engineering, permitting, bidding, and construction administration services for the installation of a new 8-inch force main in the right-of-way of US-1 in Hobe Sound. Approximately 7,200 linear feet of 8-inch force main were installed via a combination of open-cut and horizontal directional drill methods. HCE coordinated with the Florida Department of Environmental Protection and the Florida Department of Transportation for all necessary permitting. The project was completed on schedule and the total construction cost was $401,100.00. **Specific Role:** Senior Project Manager

c.

(1) TITLE AND LOCATION *(City and State)*: SUA Water, Reclaimed Water, and Force Main Modeling (Palm Beach Gardens, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2019; CONSTRUCTION *(If applicable)*: N/A

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

[✔] Check if project performed with current firm

HCE developed a potable water distribution system, a reclaimed water, and wastewater force main transmission system hydraulic models for the SUA. All models were completed using Innovyze InfoWater hydraulic modeling software. The potable water model includes both large and small diameter water mains, as well as hydrants, and incorporates water billing data, SCADA data, and record drawing information. The reclaimed water model was updated and provided SUA with alternative solutions to supply higher pressures at the system extremities. The force main model includes every force main and lift station that pumps to the PGA WWTP. **Specific Role:** Senior Project Manager

d.

(1) TITLE AND LOCATION *(City and State)*: MCU Western Force Main and Water Main Extension Project (Martin County, FL)

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

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

[✔] Check if project performed with current firm

HCE is providing design, modeling, and permitting services for the addition of approximately 29,800 linear feet of water and 36,000 linear feet of wastewater mains necessary to include new customers, currently served by individual septic tanks, in the service area located along State Road 714 between Florida's Turnpike and Interstate 95. The project will connect these Western Utility Extension users to the MCU wastewater transmission system upstream of existing Lift Station No. 540. HCE has designed upgrades to existing Lift Station No. 540 to repump wastewater flow from the Western Corridor Extension to the Martin Downs In-line Booster Pump Station. **Specific Role:** Senior Project Manager

e.

(1) TITLE AND LOCATION *(City and State)*: Martin County Utilities WWTP Reclaimed Water Storage Tank and Pumps (Stuart, FL)

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

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

[✔] Check if project performed with current firm

HCE provided preliminary and final design, permitting, bidding, and construction administrative services for a two-phase reclaimed water storage and pumping improvements project at the Tropical Farms Wastewater Treatment Plant. Phase I consisted of a new one-million-gallon prestressed concrete reclaimed water storage tank including vibroflotation compaction beneath the tank, bypass piping, and piping relocations. Phase II included a new reclaimed water distribution pump station including 18-inch through 36-inch suction and discharge piping and three vertical turbine pumps. An effluent transfer pump station with three new vertical turbine pumps located at the chlorine contact basin was also included. Phase II also consisted of replacing two existing Return Activated Sludge (RAS) pumps with new dry-pit mounted chopper-style pumps. **Engineering Fee:** $137,620 **Specific Role:** Project Manager

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
Andrea P. Holtz, PE	Grant Writing and Funding Analysis	33	14

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

Holtz Consulting Engineers, Inc. Jupiter, Florida

16. EDUCATION *(Degree and Specialization)*	*17.* CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
BS Environmental Engineering, 1986 University of Florida	Professional Engineer Florida, Environmental Engineering

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Floresta Drive Utility Adjustment Plans (City of Port St. Lucie, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2020; CONSTRUCTION *(If applicable)*: TBD

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

[✔] Check if project performed with current firm

HCE provided design engineering services for the relocation of water mains, low pressure force mains, and force mains within the City of Port St. Lucie along approximately three miles of Floresta Drive from Elkcam Waterway to Prima Vista Boulevard. As part of this project, HCE prepared drawings to depict the proposed utility relocations in accordance with FDOT and City of Port St. Lucie Standards. Utility locations are being performed as a response to proposed FDOT widening of the roadway, and new stormwater improvements. **Specific Role:** QA/QC

b.

(1) TITLE AND LOCATION *(City and State)*: Boca iSIP Projects Neighborhood WM FM Replacements (Boca Raton, FL)

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

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

[✔] Check if project performed with current firm

HCE was selected by the City of Boca Raton to complete the utility locating, geotechnical investigation, survey, design, permitting, bidding and construction services for infrastructure improvements in three neighborhoods. HCE has completed the design and permitting of one of the Country Club Village and SW 18th St neighborhoods, which included a 16-inch water main under Interstate-95. This neighborhood is now under construction and HCE is at the 60% design phase for second neighborhood. **Engineering Fees to Date:** $521,713.29 **Specific Role:** Project Director

c.

(1) TITLE AND LOCATION *(City and State)*: RBUSD Aerial Force Main Replacement Program (Riviera Beach, FL)

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

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

[✔] Check if project performed with current firm

This project included the replacement of the existing M-Canal and C-17 force main aerial crossings, which were at the end of their useful life. HCE is responsible for the design, permitting, and bidding of a new 42-inch subaqueous HDPE force main under the M-Canal and the installation of a new 12-inch subaqueous HDPE force main under the C-17 Canal. Both mains will be installed via horizontal directional drill method and connect to the existing force main on either side of the canal. **Specific Role:** Project Director

d.

(1) TITLE AND LOCATION *(City and State)*: LRD Jupiter Plantation Force Main Replacement (Jupiter, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2016; CONSTRUCTION *(If applicable)*: 2016

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

[✔] Check if project performed with current firm

This project included the utility locating, surveying, geotechnical investigation, design, permitting, bidding and services during construction for the replacement of 1,100 linear feet of 4- inch cast iron force main from Lift Station #13 to the discharge connection at the manhole on Center Street west of Plantation Way. Installation of the new force main was both via open-cut and horizontal direction drill methods. This project included work with the Palm Beach County Right-of-Way. The design and construction of this project is complete. **Total Engineering Fee:** $28,882.00 **Specific Role:** Project Director

e.

(1) TITLE AND LOCATION *(City and State)*: WPB 26th St. & Flagler Dr. Stormwater Improvements - Phase 1 (West Palm Beach, FL)

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

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

[✔] Check if project performed with current firm

HCE is responsible for the surveying, closed-circuit television pipe evaluation, design, permitting, and construction administration of the replacement of approximately 710 linear feet of water and approximately 1,050 linear feet of force main along the 26th St corridor between Poinsettia Ave and Currie Park. Additionally, this project will include the slip-lining of approximately 1,120 linear feet of 48-inch gravity sewer that flows to LS #23, which then pumps directly to the ECRWRF. Roadway layout and stormwater improvements will also be completed as part of this project. **Specific Role:** Client Service Manager / Engineering Manager

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
David F. Holtz, PE, BCEE	QA/QC Manager	33	14

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

Holtz Consulting Engineers, Inc. Jupiter, Florida

16. EDUCATION *(Degree and Specialization)*	*17.* CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
BS Environmental Engineering, 1985 ME Environmental Engineering, 1987 University of Florida	Professional Engineer Florida, Environmental Engineering

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

Board Certified Environmental Engineer by American Academy of Environmental Engineers

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Nanofiltration Concentrate Pipeline and Blending Pump Station (Palm Beach Gardens, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013 | CONSTRUCTION *(If applicable)*: 2013

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

The project included the design, permitting, bidding and construction administrative services of the installation of a new 3.8-mile, 16-inch pipeline from the Seacoast Utility Authority Hood Road Water Treatment Plant to the PGA Wastewater Treatment Plant for blending nanofiltration concentrate with reclaimed water and distribution to their reclaimed water customers. A 2-inch fiber optic conduit was installed in the same trench as the concentrate main for the future installation of a fiber optic cable. This project included the horizontal directional drilling of Military Trail, Interstate 95, Florida's Turnpike, Central Boulevard, and Jog Road. Work included coordination with permitting authorities, the FDOT, and home owner associations. HCE also performed design, permitting, bidding and construction administrative services of a nanofiltration concentrate pump station at the PGA WWTP. The blending station pumps nanofiltration concentrate from a lined holding pond at the PGA WWTP to the chlorine contact chamber at a controlled rate to optimize the conductivity/salinity of the blend water. A portion of this project was funded through an Alternative Water Supply Grant from the South Florida Water Management District. **Specific Role:** QA/QC Manager

b.

(1) TITLE AND LOCATION *(City and State)*: Martin County Utilities Reclaimed Water System Modeling (Stuart, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012 | CONSTRUCTION *(If applicable)*: N/A

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

This Project included hydraulic modeling and alternatives analysis to evaluate improvements needed to convey reclaimed water from the City of Stuart to South Martin Regional Utility through the Martin County Utilities distribution system. The project included the field-testing of the existing MCU Reclaimed Water Distribution System in order to calibrate the hydraulic model. Once the hydraulic model was calibrated a hydraulic evaluation was performed. Based on the results of the modeling, capital improvements required to deliver reclaimed water to MCU's existing customers while serving South Martin Regional Utility were recommended and the associated costs were developed. **Specific Role**: QA/QC Manager

c.

(1) TITLE AND LOCATION *(City and State)*: MCU WWTP Reclaimed Water System Modeling and New Storage Tank and Pumps (Stuart, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012 | CONSTRUCTION *(If applicable)*: 2015

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

HCE developed and utilized a hydraulic model of the MCU regional reuse system to evaluate alternatives for enhanced delivery of reclaimed water, including to South Martin Regional Utility. HCE then provided preliminary and final design, permitting, bidding, and construction administrative services for a two-phase reclaimed water storage and pumping system improvements at the Tropical Farms Wastewater Treatment Plant. Phase I consisted of a new one-million-gallon prestressed concrete reclaimed water storage tank including vibroflotation compaction beneath the tank, bypass piping, and piping relocations. Phase II included a new reclaimed water distribution pump station including 18-inch through 36-inch suction and discharge piping and three vertical turbine pumps. Phase II also consisted of replacing two existing Return Activated Sludge (RAS) pumps with new dry-pit mounted chopper-style pumps. Both phases were completed on schedule and the total engineering fee was $137,620.00. **Specific Role**: QA/QC Manager

d.

(1) TITLE AND LOCATION *(City and State)*: Hood Road Floridan Raw Water Main Installation (Palm Beach Gardens, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018 | CONSTRUCTION *(If applicable)*: 2018

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

Project included the design, permitting, bidding, and construction of a new 36-inch raw water main along Hood Road from the Hood Road WTP, west to the Westwood Lakes development for the proposed Upper Floridian Wellfield in the Alton development. Raw water main is to be installed via both open-cut methods and horizontal directional drilling methods. Additionally, 4,200 feet of 2-inch HDPE fiber-optic conduit with pull boxes will be installed parallel to the proposed raw water main. **Specific Role:** Program Manager

e.

(1) TITLE AND LOCATION *(City and State)*: SUA WWTP Blowers and NRCY Pump Station (Palm Beach Gardens, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: Ongoing | CONSTRUCTION *(If applicable)*: Ongoing

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

HCE is providing design, permitting, bidding, and construction administration services for Seacoast Utility Authority to demolish existing buildings at their wastewater treatment plant, construct a new blower building, including the installation of six new blowers, replace the existing nitrified recycle pump station, and improve various electrical components at the site including VFDs, motor control centers, and lighting. This project serves to replace and upgrade existing plant infrastructure to increase operational flexibility, decrease electric power consumption, and maintain reliable production of reclaimed water. This project is currently under construction with an anticipated completion date of August 2020. The total construction cost is $5,245,490.21. **Specific Role:** QA/QC Manager

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
Stephen R. Fowler, PE	Senior Engineer	16	7

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

Holtz Consulting Engineers, Inc. Jupiter, Florida

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
BS Environmental Engineering, 2003 University of Florida	Professional Engineer Florida, Civil Engineering Certified General Contractor, Florida

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

Design-Build Institute of America - Member

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Palm Beach County Lift Station Rehabilitation Program, Palm Beach County, FL

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

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

HCE is responsible for the rehabilitation of 60 of Palm Beach County's wastewater pump stations. This effort has consisted of assessment and prioritization of the County's lift stations based on condition and risk of failure, followed by a variety of rehabilitation and upgrades to the sewage pumping system. As part of this effort, civil, mechanical, and electrical items have been assessed and identified for replacement in order to meet PBC minimum design standards where possible. HCE has provided survey, design, and bidding assistance in two phased bid packages, as well as assistance with shop drawing review and building department permitting during the construction phase. **Specific Role:** Project Manager

b.

(1) TITLE AND LOCATION *(City and State)*: RBUSD Aerial Force Main Replacement Program, Riviera Beach, FL

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

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

This project included the replacement of the existing M-Canal and C-17 force main aerial crossings, which were at the end of their useful life. HCE is responsible for the design, permitting, and bidding of a new 42-inch subaqueous HDPE force main under the M-Canal and the installation of a new 12-inch subaqueous HDPE force main under the C-17 Canal. Both mains will be installed via horizontal directional drill method and connect to the existing force main on either side of the canal. **Specific Role:** Project Manager

c.

(1) TITLE AND LOCATION *(City and State)*: SUA PGA National Force Main Slip Lining, Palm Beach Gardens, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2017; CONSTRUCTION *(If applicable)*: 2017

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

This project included surveying and engineering services for the design, bidding, and construction of approximately 4,300 linear feet of new 8-inch DIP force main within an existing 12-inch DIP force main within PGA National via slip-lining methods from Lift Station No.76, along Avenue of the Masters, Avenue of the Champions, and Tournament Boulevard to Lift Station No. 68. **Construction Cost:** $49,722 **Specific Role:** Project Manager

d.

(1) TITLE AND LOCATION *(City and State)*: City of Lake Worth Beach Lift Station Improvement Projects, Lake Worth Beach, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2019; CONSTRUCTION *(If applicable)*: N/A

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

This project includes utility locating, surveying, geotechnical investigation, and design engineering services for the rehabilitation of two existing lift stations in the Lake Worth service area. The rehabilitation of Lift Station No. 12 involves a complete station replacement, including a new wet well, valve vault, piping, and electrical installation as well as demolition of the existing station and associated building and pump room. Lift Station No. 14 is to receive mechanical and civil site upgrades including new pumps, piping, fencing, pump station slab, and upgraded electrical equipment. Construction is anticipated to begin in 2020. **Specific Role:** Project Manager

e.

(1) TITLE AND LOCATION *(City and State)*: PBCWUD Water Main Extension Connection SR 15 to SR 80, Palm Beach County, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2016; CONSTRUCTION *(If applicable)*: N/A

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

HCE performed survey, geotechnical, permitting, and design services for a new 1.3 mile 16-inch water main in the City of Belle Glade. This main will loop the existing water system between State Road 80 and State Road 15 to provide water service and fire protection to proposed industrial and commercial parcels. Hydrants and stub-outs isolation valves were installed and air release or combination valves were provided at high points along the main. **Specific Role:** Project Manager

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
Larry Lardieri, PE	Senior Engineer & QA/QC	46	<1

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

Holtz Consulting Engineers, Inc. Jupiter, Florida

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
BS Civil Engineering and Construction Technology - Temple University	Professional Engineer Florida, Civil Engineering

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

"Reuse the Resource", from Proceedings of the American Water Works Association, 2004 Water Sources Conference, Austin, Texas, January 11-14, 2004. (Paper dealing with reclaimed water project)

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Miami-Dade County Consent Decree Program (MDWASD) (Miami FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 7/2020 (Program ongoing); CONSTRUCTION *(If applicable)*: 7/2020 (Program ongoing)

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

[ ] Check if project performed with current firm

Served as chief engineer for the Consent Decree (CD) Program Manager/Construction Manager (PMCM) for MDWASD. The major purpose of this program is to implement (design, permit, and construct) plans for continued improvement to the Miami-Dade Water and Sewer Department Wastewater Collection and Transmission System (WCTS) and Wastewater Treatment Plants (WWTP) as mandated by the United Stated Environmental Protection Agency (EPA). There are eighty-one (81) original Consent Decree projects and one hundred and seventy-two (172) independent projects in the CD Program; total program cost is $1.965B. Mr. Lardieri, as the PMCM Chief Engineer, provided technical input / support coordination; reviews and comments on project Technical Memorandums, BODRs, wastewater collection and transmission system modeling reports, design consultant project design submittals/deliverables, permitting documents and agency RFIs, etc.; assists by providing technical input for technical issues/RFIs that arise during project construction. FMs from 8" to 72" in size; pump stations ranging from 0.3 mgd to more than 20.0 mgd in size. **Specific Role:** Chief Engineer

b.

(1) TITLE AND LOCATION *(City and State)*: Forest Hill Boulevard Area 1 Gravity Sewer Project (Town of Lake Clarke Shores, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2015; CONSTRUCTION *(If applicable)*: 2015

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

[ ] Check if project performed with current firm

Design, permitting and construction of backbone gravity sewer system serving the Forest Hill Boulevard Area 1; lift station, force main, gravity sewer main, manholes, and appurtenances. Phase 1 construction (initial portion of the project) was completed. Assisted the Town and the Town's financial consultant (Raftelis) by providing technical input on issues related to a loan for funding the construction of the project and establishing parcel/end user assessments. Project cost $485,000. **Specific Role:** Project Manager/Engineer of Record

c.

(1) TITLE AND LOCATION *(City and State)*: Wastewater Master Pump Station (Clewiston, FL.)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2015; CONSTRUCTION *(If applicable)*: N/A

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

[ ] Check if project performed with current firm

Design and permitting for a new master pump station with four submersible pumps and ultimate capacity of 8.7 MGD, including on-site biofilter odor control system, yard piping, site work paving, grading and drainage and appurtenances to pump all sewer flow to the City's WWTP. Prepared application package for & assisted the City with the SRF funding process; obtained a low interest loan for approximately $811,000, approx. (1/3) included as Loan/Principal Forgiveness. **Specific Role:** Project Manager/Engineer of Record

d.

(1) TITLE AND LOCATION *(City and State)*: Florida Keys Aqueduct Authority (FKAA), FKAA Reclaimed Water Master Plan – Phase I (Key West, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2014; CONSTRUCTION *(If applicable)*: N/A

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

[ ] Check if project performed with current firm

Preparation of a study and master plan for reclaimed water in a portion of the Florida Keys, specifically the Big Coppitt District service area. Included four islands: Rockland Key, Big Coppitt Key, Shark Key and Geiger Key. Phase I of the study included the definition of the potential extent of the reclaimed water service area and its boundaries, identification of the number of potential connections, identification and mapping of the potential parcels to be served, conducting a review of the historical water use in order to develop seasonal peaks that influence the monthly potable water demand, estimation of the average irrigable area and the application rate per section, estimation of the average daily wastewater reuse demands, preliminary modeling, sizing and layout of the reuse main grid, preparation of a preliminary opinion of system costs and reuse water charges, and preparation of a summary report outlining the study findings. **Specific Role:** Project Manager/Engineer of Record

e.

(1) TITLE AND LOCATION *(City and State)*: Utility Relocation Project for Seminole Dr. Bridge Replacement at L-16 Canal (Town of Lake Clarke Shores, FL.)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 5/2020; CONSTRUCTION *(If applicable)*: 5/2020

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

[ ] Check if project performed with current firm

Design, permitting and construction for relocation of 10-inch water main and 8-inch force main, and upgrade of existing lift station for the construction of a new/replacement bridge over the L-16 canal at Seminole Drive, just south of Lantana Rd. Included relocation of approximately 310 lineal feet of 10-inch water main with a 270 LF 12-inch HDD and 40 LF of 10-inch open cut main, and relocation of approximately 455 LF of 8-inch force main with a 395 LF of 10-inch HDD and 60 LF of 8-inch open cut main, along with valves and appurtenances, and demolition of bridge attached existing water and force mains. The project also included upgrade of LCS-2 lift station. Final construction cost $237,013 ($32,222 less than original construction Contract). **Specific Role:** Project Manager

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
Matthew Paymer, PE	Master Modeler/Project Engineer	5	5

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

Holtz Consulting Engineers, Inc. Jupiter, Florida

16. EDUCATION *(Degree and Specialization)*	*17.* CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
BS Environmental Engineering, 2015 University of Florida	Professional Engineer Florida, Civil Engineering

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

"The Maintenance of Change: Developing Electronic Tools for a Dynamic Sustainable Asset Management System" – Published in the Florida Water Resources Journal, May 2018

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Design Services for the Melaleuca Boulevard Force Main (Port St. Lucie, FL)

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

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

[✔] Check if project performed with current firm

HCE is provided professional engineering services related to the survey, geotechnical exploration, design, permitting, bidding, and construction for approximately 6,600 linear feet of new force main. The new force main will convey wastewater from the City's Lift Station SP-40 along SE Melaleuca Boulevard to the west, where it will ultimately tie into an existing 16-inch force main beneath the southbound travel lanes of Lennard Road. As part of this project, HCE is performing a hydraulic evaluation of the existing force main system serving Lift Station Nos. SP-16, SP-40, and SP-42 to determine the appropriate force main diameter. The new force main is being designed to be constructed of HDPE and be installed via the horizontal direction drill method. **Specific Role:** Master Modeler

b.

(1) TITLE AND LOCATION *(City and State)*: RBUSD Aerial Force Main Replacement Program (Riviera Beach, FL)

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

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

[✔] Check if project performed with current firm

This project included the replacement of the existing M-Canal and C-17 force main aerial crossings, which were at the end of their useful life. HCE is responsible for the design, permitting, and bidding of a new 42-inch subaqueous HDPE force main under the M-Canal and the installation of a new 12-inch subaqueous HDPE force main under the C-17 Canal. Both mains will be installed via horizontal directional drill method and connect to the existing force main on either side of the canal. **Specific Role:** Project Engineer

c.

(1) TITLE AND LOCATION *(City and State)*: SUA Water, Reclaimed Water, and Force Main Modeling (Palm Beach Gardens, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018; CONSTRUCTION *(If applicable)*: N/A

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

[✔] Check if project performed with current firm

HCE developed a potable water distribution system, a reclaimed water, and wastewater force main transmission system hydraulic models for the SUA. All models were completed using Innovyze InfoWater hydraulic modeling software. The potable water model includes both large and small diameter water mains, as well as hydrants, and incorporates water billing data, SCADA data, and record drawing information. The reclaimed water model was updated and provided SUA with alternative solutions to supply higher pressures at the system extremities. The force main model includes every force main and lift station that pumps to the PGA WWTP. **Specific Role:** Master Modeler

d.

(1) TITLE AND LOCATION *(City and State)*: MCU Western Force Main and Water Main Extension Project (Martin County, FL)

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

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

[✔] Check if project performed with current firm

HCE provided design, modeling, and permitting services for the addition of approximately 29,800 linear feet of water and 36,000 linear feet of wastewater mains necessary to include new customers, currently served by individual septic tanks, in the service area located along State Road 714 between Florida's Turnpike and Interstate 95. The project will connect these Western Utility Extension users to the MCU wastewater transmission system upstream of existing Lift Station No. 540. HCE has designed upgrades to existing Lift Station No. 540 to repump wastewater flow from the Western Corridor Extension to the Martin Downs In-line Booster Pump Station. **Specific Role:** Master Modeler

e.

(1) TITLE AND LOCATION *(City and State)*: SUA Force Main Crossing the Intracoastal Waterway (Palm Beach Gardens, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2017; CONSTRUCTION *(If applicable)*: 2017

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

[✔] Check if project performed with current firm

HCE provided design, survey, geotechnical evaluation, permitting, bidding, and construction administrative services for 1,300 linear feet of new force main crossing the Intracoastal Waterway in Palm Beach Gardens, Forida. The new 16-inch ductile iron and HDPE force main included a horizontal directional drill beneath the Intracoastal Waterway and provided another sub-aqueous crossing from the island to the mainland for improved redundancy and system reliability. HCE coordinated the performance of subsurface investigation on the east and west sides of the Intracoastal Waterway to ensure proper design of the horizontal directional drill. Right-of-way, FDEP and South Florida Water Management District Environmental Resource Permit permits were obtained. EW Consultants assisted HCE in the preparation of seagrass surveys and environmental assessments in support of the Environmental Resource Permit. The drill pits for the directional drill were located in busy commercial and restaurant parking areas, requiring HCE to perform significant coordination with local property owners. Additionally, milling and overlay of a section of Ellison Wilson road occurred as part of this project, which required maintenance of traffic and overnight operations. **Engineering Fee:** $89,958 **Specific Role:** Project Engineer

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
Kaitlin Wood, EI	Project Engineer	4	4

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

Holtz Consulting Engineers, Inc. Jupiter, Florida

16. EDUCATION *(Degree and Specialization)*	*17.* CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
BS Environmental Engineering, 2015 ME Environmental Engineering, 2016 University of Florida	Engineer Intern Florida, Environmental Engineering

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Martin County Utilities Wastewater Treatment Plant Reclaimed Water Storage Tank and Pumps (Stuart, FL)

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

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

HCE provided preliminary and final design, permitting, bidding, and construction administrative services for a two-phase reclaimed water storage and pumping improvements project at the Tropical Farms Wastewater Treatment Plant. Phase I consisted of a new one-million-gallon prestressed concrete reclaimed water storage tank including vibroflotation compaction beneath the tank, bypass piping, and piping relocations. Phase II included a new reclaimed water distribution pump station including 18-inch through 36-inch suction and discharge piping and three vertical turbine pumps. An effluent transfer pump station with three new vertical turbine pumps located at the chlorine contact basin was also included. Phase II also consisted of replacing two existing Return Activated Sludge (RAS) pumps with new dry-pit mounted chopper-style pumps. Both phases were completed on schedule and the total engineering fee was $137,620.00. **Specific Role**: Project Engineer

b.

(1) TITLE AND LOCATION *(City and State)*: SMRU Greenland Palms Force Main Extension (Hobe Sound, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2019; CONSTRUCTION *(If applicable)*: 2019

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

This project involved surveying, design engineering, permitting, bidding, and construction administration services for the installation of a new 8-inch force main in the right-of-way of US-1 in Hobe Sound. Approximately 7,200 linear feet of 8-inch force main were installed via a combination of open-cut and horizontal directional drill methods. HCE coordinated with the Florida Department of Environmental Protection and the Florida Department of Transportation for all necessary permitting. The project was completed on schedule and the total construction cost was $401,100.00. **Specific Role:** Project Engineer

c.

(1) TITLE AND LOCATION *(City and State)*: Palm Beach Colony Water Main Improvements South, (Palm Beach County, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2016; CONSTRUCTION *(If applicable)*: N/A

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

HCE provided survey, design, and permitting services for approximately 800 linear feet of new 8-inch water main improvements and installation of fire hydrants. The project was designed to be constructed in a proposed easement near the intersection of Belvedere Road and Congress Ave. The new water main was designed to loop the existing system and improve water quality. This project included performing underground utility locates as part of the design in order to provide a comprehensive understanding of the project area. Additionally, this project included obtaining permits through the Palm Beach County Health Department and Palm Beach County Fire Marshall. **Engineering Cost**: $14,961 **Specific Role**: Project Engineer

d.

(1) TITLE AND LOCATION *(City and State)*: LRD Imperial Woods Low Pressure Force Main (Jupiter, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2020; CONSTRUCTION *(If applicable)*: 2020

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

HCE provided engineering services for the design, permitting, bidding, and construction administration of a septic-to-sewer conversion project in the Imperial Woods neighborhood of Jupiter Florida. This project involves connecting forty-seven existing residences that are currently using septic systems to LRD's sewer system. The neighborhood will be served by a low-pressure system, including approximately 5,800 linear feet of 2-inch mains and individual services to each home. This project includes connection of the new mains to an existing live 4-inch main within Palm Beach County Right-of-Way. The project also included milling and resurfacing of all asphalt within the community, as well as point repairs of asphalt and curbing. **Specific Role**: Project Engineer

e.

(1) TITLE AND LOCATION *(City and State)*: LRD Turtle Creek Septic to Sewer Conversion (Tequesta, FL)

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

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

HCE assisted the Loxahatchee River District with the implementation of a sanitary sewer conversion program throughout the Turtle Creek community in Tequesta. This project included the survey, design, permitting, bidding, and services during construction of approximately 12,000 linear feet of new sewer systems to serve 138 residences which are currently on septic systems. This project included both gravity sewer and low-pressure force main installation, with different phases receiving different systems. All areas in which low-pressure was installed had the roadways milled and resurfaced after the low-pressure installation. The project was completed on schedule and the total construction cost was $1,413,296.85. **Specific Role**: Project Engineer

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
Harrison Barron, EI	Project Engineer	4	3+

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

Holtz Consulting Engineers, Inc. Jupiter, Florida

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
BS Environmental Engineering, 2015 University of Florida	Engineer Intern Florida, Environmental Engineering

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

NASSCO Certified Pipeline and Manhole Inspector

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: LRD Loxahatchee River Road IQ Main and Force Main (Jupiter, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2019 | CONSTRUCTION *(If applicable)*: 2019

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

[✔] Check if project performed with current firm

HCE assisted the Loxahatchee River District with the installation of a new force main and reclaimed water main along Loxahatchee River Road. The project consisted of approximately 3,200 linear feet of new 4-inch PVC force main and 150 linear feet of 2-inch PVC low-pressure force main installed via open-cut methods. The portion of the mains that crossed underneath a tributary within the Northwest Fork of the Loxahatchee River were installed via horizontal directional drilling (HDD) methods. This included approximately 400 linear feet of 4-inch and 2-inch HDPE force main and 400 linear feet of 16-inch HDPE reclaimed water main that was constructed concurrently. The new force main provided a backup and alternative routing of wastewater flows in the sewage conveyance system. The proposed reclaimed water main replaced the existing aerial crossing pipe at the end of its useful life. HCE provided surveying, engineering design, permitting, bidding assistance, and services during construction related to the force main extension and reclaimed water project. **Construction Cost**: $458,486 **Specific Role**: Project Engineer

b.

(1) TITLE AND LOCATION *(City and State)*: Boca iSIP Projects Neighborhood WM FM Replacements (Boca Raton, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: Ongoing | CONSTRUCTION *(If applicable)*: Ongoing

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

[✔] Check if project performed with current firm

HCE was selected by the City of Boca Raton to complete the utility locating, geotechnical investigation, survey, design, permitting, bidding and construction services for infrastructure improvements in three neighborhoods. HCE has completed the design and permitting of one of the Country Club Village and SW 18th St neighborhoods, which included a 16-inch water main under Interstate-95. This neighborhood is now under construction and HCE is in the 60% design phase of the second neighborhood. **Engineering Fees to Date:** $521,713.29 **Specific Role:** Project Engineer

c.

(1) TITLE AND LOCATION *(City and State)*: LRD Jupiter Plantation Force Main Replacement (Jupiter, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2016 | CONSTRUCTION *(If applicable)*: 2016

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

[✔] Check if project performed with current firm

This project included the utility locating, surveying, geotechnical investigation, design, permitting, bidding and services during construction for the replacement of 1,100 linear feet of 4- inch cast iron force main from Lift Station #13 to the discharge connection at the manhole on Center Street west of Plantation Way. Installation of the new force main was both via open-cut and horizontal direction drill methods. This project included work with the Palm Beach County Right-of-Way. The design and construction of this project is complete. **Total Engineering Fee:** $28,882.00 **Specific Role:** Project Engineer

d.

(1) TITLE AND LOCATION *(City and State)*: SUA PGA National Force Main Slip Lining (Palm Beach Gardens, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2017 | CONSTRUCTION *(If applicable)*: 2017

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

[✔] Check if project performed with current firm

This project included surveying and engineering services for the design, bidding, and construction of approximately 4,300 of new 8-inch DIP force main within an existing 12-inch DIP force main within PGA National via slip-lining methods from Lift Station No.76, along Avenue of the Masters, Avenue of the Champions, and Tournament Boulevard to Lift Station No. 68. **Construction Cost:** $49,722 **Specific Role:** Project Engineer

e.

(1) TITLE AND LOCATION *(City and State)*: LRD Turtle Creek Septic to Sewer Conversion (Tequesta, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018 | CONSTRUCTION *(If applicable)*: 2018

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

[✔] Check if project performed with current firm

HCE assisted the Loxahatchee River District with the implementation of a sanitary sewer conversion program throughout the Turtle Creek community in Tequesta. This project included the survey, design, permitting, bidding, and services during construction of approximately 12,000 linear feet of new sewer systems to serve 138 residences which are currently on septic systems. This project included both gravity sewer and low-pressure force main installation, with different phases receiving different systems. All areas in which low-pressure was installed had the roadways milled and resurfaced after the low-pressure installation. The project was completed on schedule and the total construction cost was $1,413,296.85. **Specific Role**: Project Engineer

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
Linwood Lee	Construction Manager	17	4+

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

Holtz Consulting Engineers, Inc. Stuart, Florida

16. EDUCATION *(Degree and Specialization)*	*17.* CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Construction Management Washington State University, Washington High School, Morgan City, Louisiana	OSHA 30-Hour Hazard Recognition for the Construction Industry

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: SMRU Greenland Palms Force Main Extension (Hobe Sound, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2019; CONSTRUCTION *(If applicable)*: 2019

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

[✔] Check if project performed with current firm

Mr. Lee served as HCE's construction manager, providing construction administrative services for the installation of a new 8-inch force main in the right-of-way of US-1 in Hobe Sound. Approximately 7,200 linear feet of 8-inch force main were installed via a combination of open-cut and horizontal directional drill methods. HCE coordinated with the Florida Department of Environmental Protection and the Florida Department of Transportation for all necessary permitting. The project was completed on schedule and the total construction cost was $401,100.00. **Specific Role:** Construction Manager

b.

(1) TITLE AND LOCATION *(City and State)*: Martin County Utilities Wastewater Treatment Plant Reclaimed Water Storage Tank and Pumps – (Stuart, FL)

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

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

[✔] Check if project performed with current firm

Mr. Lee served as HCE's construction manager, providing construction administrative services for a two-phase reclaimed water storage and pumping improvements project at the Tropical Farms Wastewater Treatment Plant. Phase I consisted of a new one-million-gallon prestressed concrete reclaimed water storage tank including vibroflotation compaction beneath the tank, bypass piping, and piping relocations. Phase II included a new reclaimed water distribution pump station including 18-inch through 36-inch suction and discharge piping and three vertical turbine pumps. An effluent transfer pump station with three new vertical turbine pumps located at the chlorine contact basin was also included. Phase II also consisted of replacing two existing Return Activated Sludge (RAS) pumps with new dry-pit mounted chopper-style pumps. Both phases were completed on schedule. **Construction Cost:** $137,620.00 **Specific Role:** Construction Manager

c.

(1) TITLE AND LOCATION *(City and State)*: SUA PGA National Force Main Slip Lining (Palm Beach Gardens, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2017; CONSTRUCTION *(If applicable)*: 2017

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

[✔] Check if project performed with current firm

Mr. Lee served as HCE's construction manager for the installation of approximately 4,300 linear feet of new 8-inch DIP force main within an existing 12-inch DIP force main within PGA National via slip-lining methods from Lift Station No.76, along Avenue of the Masters, Avenue of the Champions, and Tournament Boulevard to Lift Station No. 68.

Construction Cost: $49,722 **Specific Role:** Construction Manager

d.

(1) TITLE AND LOCATION *(City and State)*: North Palm Beach Water and Wastewater Infrastructure Improvements (North Palm Beach, FL)

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2017; CONSTRUCTION *(If applicable)*: 2017

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

[✔] Check if project performed with current firm

Mr. Lee served as the construction manager for the installation of approximately 1,000 feet of new 6-inch HDPE and DIP force main along Lighthouse Drive and under the North Palm Beach Waterway. New mains were installed via horizontal directional drill methods and open cut methods. Additionally, Mr. Lee oversaw the installation of approximately 900 feet of 6-inch DIP water main along Riverside road, and abandonment of portions of existing gravity sewer main along Shore Road as part of the infrastructure improvements included in this project.

Construction Cost: $59,989 **Specific Role**: Construction Manager

e.

(1) TITLE AND LOCATION *(City and State)*: Hood Road Floridan Raw Water Main Installation (Palm Beach Gardens, FL)

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

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

[✔] Check if project performed with current firm

Mr. Lee served as the construction manager for the construction of a new 36-inch raw water main along Hood Road from the Hood Road WTP, west to the Westwood Lakes development for the proposed Upper Floridian Wellfield in the Alton development. The raw water main was installed via both open-cut methods and horizontal directional drilling methods. Additionally, 4,200 feet of 2-inch HDPE fiber-optic conduit with pull boxes was installed parallel to the proposed raw water main.

Construction Cost: $1,153,400 (Estimated) **Specific Role**: Construction Manager

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
David P. Andre, P.E.	Project/Contract Manager	26	14+

15. FIRM NAME AND LOCATION (City and State)

Andersen Andre Consulting Engineers, Inc. (Port St. Lucie, Florida)

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
Bachelor of Science in Environmental Engineering, University of Florida (1993);Post Graduate Coursework in Geotechnical Engineering, University of Central Florida (1997-1998);	Professional Engineer (Discipline of Civil Engineering) in the State of Florida (No. 53969)

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

David is experienced providing geotechnical engineering and materials testing services for roadway and utility construction, infrastructure improvements, and site preparation as well as general environmental consulting relative to subsurface contamination.

19. RELEVANT PROJECTS

A.

(1) TITLE AND LOCATION (City and State)

Continuing Service Contract, City of Port St. Lucie, (Port St. Lucie, FL)

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
2007-2011 2016-Ongoing	N/A

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

[X] Check if project performed with current firm

David was the Contract Manager when AACE maintained a continuing service contract with the City of Port St. Lucie for geotechnical engineering and construction materials testing until 2011 (when the City discontinued all professional service contracts), and then again when the service contracts were reinstituted in 2016. Services that AACE routinely provides for the CPSL include the performance of soil borings (SPT and auger borings), test pits, groundwater studies, roadway coring, embankment suitability studies, and all manner of materials, testing during construction (density & concrete testing). Projects have included City-wide culvert and headwall replacements, roadway explorations and testing, utility installations (including more than 50 miles of water main), STA construction, municipal building construction, etc. Project budgets have ranged from $500 to $500,000.

B.

(1) TITLE AND LOCATION (City and State)

PSLUSD City-Wide Water Main Replacement (Port St. Lucie, FL)

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
2011	2013

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

[X] Check if project performed with current firm

David was AACE's Project manager when AACE was requested to provide Geotechnical Consulting and Construction Materials Testing services relative to the expedited replacement of more than 50 miles of water main (ranging from 4-inch diameter to 12-inch diameter mains) throughout the central and eastern portions of Port St. Lucie. Thousands of density tests were conducted on pipe trench backfill. Due to potential impacts to residents and businesses, numerous operations were performed between the hours of 10pm and 6am, requiring a full-time presence by an AACE Senior Field Technician. AACE's budget was approximately $185,000.

C.

(1) TITLE AND LOCATION (City and State)

Westmoreland Boulevard (Port St. Lucie, FL)

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
2007	2008

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

[X] Check if project performed with current firm

David served as Project Manager for this roadway soil survey consisting of soil borings and roadway cores, mast-arm signal pole recommendations, lake explorations relative to soil suitability. Construction materials testing consisting of full-time density testing, LBRs, paving and subgrade inspections and compressive strength of concrete testing. AACE's budget was approximately $35,000.

D.

(1) TITLE AND LOCATION (City and State)

Becker Road - Segments 1 and 2 (Port St. Lucie, FL)

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
2007	2010

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

[X] Check if project performed with current firm

David served as Project Manager for this roadway soil survey consisting of soil borings to further characterize reported "unsuitable plastic soils", mast-arm signal pole recommendations, significant lake explorations relative to soil suitability. Construction materials testing consisting of full-time density testing, LBRs, paving and subgrade inspections and compressive strength of concrete testing. AACE's budget was approximately $300,000.

E.

(1) TITLE AND LOCATION (City and State)

Village Parkway, Phases I & II (Port St. Lucie, FL)

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
2007	2011

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

[X] Check if project performed with current firm

David served as Project Manager for this roadway soil survey consisting of more than 200 soil borings, recommendations relative to roadway construction through 2,000 l.f. of water-filled reservoir, mast-arm signal pole recommendations, surcharging compressible clays, lake explorations relative to soil suitability. Construction materials testing consisting of over 5,000 density tests, 200+ sets of concrete cylinders for compressive strength, 75+ LBRs and as many as four (4) field technicians providing Quality Control service. AACE's budget was approximately $400,000.

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
Peter G. Andersen, P.E.	Senior Geotechnical Engineer	22	14+

15. FIRM NAME AND LOCATION (City and State)

Andersen Andre Consulting Engineers, Inc. (Port St. Lucie, Florida)

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
Masters of Science in Geotechnical Engineering, University of Florida (1997); Bachelor of Science in Civil/Structural Engineering, Technical University of Denmark (1995)	Professional Engineer (Discipline of Civil Engineering) in the State of Florida (No. 57956)

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

Peter is experienced providing geotechnical engineering and materials testing for roadway and intersection improvements, utility installations, low- and high-rise structures (including deep-foundation alternatives), STAs, solid waste facilities and port/harbor facilities.

19. RELEVANT PROJECTS

A.

(1) TITLE AND LOCATION (City and State)
Crosstown Parkway, from Manth to Floresta (Port St. Lucie, FL)

(2) YEAR COMPLETED: PROFESSIONAL SERVICES 2014 | CONSTRUCTION (if applicable) Ongoing

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

[X] Check if project performed with current firm

Peter served as Project Manager and Senior Geotechnical Engineer for this roadway soil survey consisting of more than 100 soil borings (auger and SPT borings), pavement coring, field exfiltration testing and drilled shaft analyses. Peter provided recommendations relative to roadway construction and mast-arm signal pole recommendations. AACE also performed Level 2 Contamination Screening at several locations along the proposed alternative (Alternative 1C). AACE's budget was approximately $90,000.

B.

(1) TITLE AND LOCATION (City and State)
Community Boulevard (Port St. Lucie, FL)

(2) YEAR COMPLETED: PROFESSIONAL SERVICES 2009 | CONSTRUCTION (if applicable) 2010

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

[X] Check if project performed with current firm

Peter served as Senior Geotechnical Engineer for this roadway soil survey consisting of more than 50 soil borings, mast-arm signal pole recommendations, lake explorations relative to soil suitability. Construction materials testing consisting of over 2,000 density tests, 50+ LBRs, paving and subgrade inspections and demucking observations. AACE's budget was approximately $150,000.

C.

(1) TITLE AND LOCATION (City and State)
Village Parkway, Phases I & II (Port St. Lucie, FL)

(2) YEAR COMPLETED: PROFESSIONAL SERVICES 2007 | CONSTRUCTION (if applicable) 2011

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

[X] Check if project performed with current firm

Peter served as Senior Geotechnical Engineer for this roadway soil survey consisting of more than 200 soil borings, recommendations relative to roadway construction through 2,000 l.f. of water-filled reservoir, mast-arm signal pole recommendations, surcharging compressible clays, lake explorations relative to soil suitability. Construction materials testing consisting of over 5,000 density tests, 200+ sets of concrete cylinders for compressive strength, 75+ LBRs and as many as four (4) field technicians providing Quality Control services. AACE's budget was approximately $400,000.

D.

(1) TITLE AND LOCATION (City and State)
Rosser Boulevard (Port St. Lucie, FL)

(2) YEAR COMPLETED: PROFESSIONAL SERVICES 2007 | CONSTRUCTION (if applicable) 2008

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

[X] Check if project performed with current firm

Peter served as Senior Geotechnical Engineer for this roadway soil survey consisting of soil borings and roadway cores, mast-arm signal pole recommendations, lake explorations relative to soil suitability. Construction materials testing consisting of full-time density testing, LBRs, paving and subgrade inspections and compressive strength of concrete testing. AACE's budget was approximately $45,000.

E.

(1) TITLE AND LOCATION (City and State)
Tradition Medical Center 9-Story Hospital (Tradition, Port St. Lucie, FL)

(2) YEAR COMPLETED: PROFESSIONAL SERVICES 2011 | CONSTRUCTION (if applicable) 2016

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

[X] Check if project performed with current firm

AACE was retained by Martin Health System to prepare a subsurface soil exploration and Geotechnical Engineering Evaluation of the proposed Tradition Medical Center (TMC) facility in 2011. Peter Andersen, P.E. coordinated the performance of numerous SPT borings to evaluate the suitability of the site's soils to support the then-proposed 9-story hospital structure, 4-story parking garage and numerous ancillary site features. Due to the presence of very loose silty soils and the associated risk of excessive settlements, a recommendation of Vibro Replacement Technique (VRT, or "stone columns") was made. AACE was then selected by the Owner to perform construction materials testing for Phase I of the project, including earthwork observations, density testing, fill placement monitoring, concrete testing, etc. Subsequently, in 2014, AACE was retained by the Owner to provide supplemental Geotechnical Engineering services for Phase II of the project including two wing additions, increased parking and significant utility and drainage improvements. AACE Geotechnical Engineering and Materials Testing budget was approximately $400,000.

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	
Elizabeth A. Lindsay	Professional Land Surveyor	a. TOTAL 39	b. WITH CURRENT FIRM 21

15. FIRM NAME AND LOCATION *(City and State)*
Betsy Lindsay, Inc. Stuart, Florida

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
A.A., Civil Engineering, Miami Dade Community College, Miami, Florida, 1983 Certified 40 Hour Hazmat/Health & Safety Training	Professional Land Surveyor, State of Florida – License # 4724

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)* Ms. Lindsay has 39 years of experience in land surveying related responsibilities. During that time, her responsibilities have included computations and coordination for survey related projects such as land subdividing, platting, submerged land lease exhibits, environmental field surveys, bathymetric, road right-of-way and construction, boundary surveys, client liaison, and the supervision of various projects.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(3) MONTHS COMPLETED	
Southern Blvd West Palm Beach, Florida	PROFESSIONAL SERVICES Surveying	CONSTRUCTION (If Applicable) 2017

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* Principle in [x] Check if project performed with current firm

The project is located in the City of West Palm Beach on Southern Blvd at South Ocean Blvd across the bridge West of Washington Road. The Surveying services are to establish horizontal and vertical control. Stake the water main fittings and alignment of the bore. Stake the centerline of the edge of pavement. Performed and prepared an Asbuilt Survey has the construction was completed

b.

(1) TITLE AND LOCATION *(City and State)*	( ) YEAR COMPLETED	
COS Watermain Extension Stuart, Florida	PROFESSIONAL SERVICES Surveying	CONSTRUCTION (If Applicable) 2017

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* Principle in [x] Check if project performed with current firm

Mrs. Lindsay is the Surveyor in change of this project in located is the downtown City of Stuart area and includes construction staking and asbuilt surveying for the US 1 Channel Avenue watermain extension provided by others. BL set the control and will provide the asbuilts when the construction is completed

c.

(1) TITLE AND LOCATION *(City and State)*	(2) MONTHS COMPLETED	
Westminster Park City of West Palm Beach	PROFESSIONAL SERVICES Surveying	CONSTRUCTION (If Applicable) 2020

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* Principle in [x] Check if project performed with current firm

Mrs. Lindsay was the Project Manger in charge on this project for survey support for the prospect park neighbourhood for water main relocation. Acquire cross sections of the right of way at 100-foot intervals. Locate all trees within the right of way. Locate and elevate underground utility locates, soft digs and soil borings done by others. We prepared a Topographic survey completion

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Carlton Street Hobe Sound, Florida	PROFESSIONAL SERVICES Surveying	CONSTRUCTION (If Applicable) 2019

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* Principle in [x] Check if project performed with current firm

Survey support for construction staking and asbuilt surveying for .24 miles on SE Carlton Street for the water main improvements in Hobe Sound. We establish horizontal and vertical control. Stake water main at 50’ intervals, fittings, fire hydrants & meters. Perform and prepare an As-built Survey when construction is completed.

e.

(1) TITLE AND LOCATION *(City and State)*	(1) YEAR COMPLETED	
Langford Park Stuart, Florida	PROFESSIONAL SERVICES Surveying	CONSTRUCTION (If Applicable) 2016

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* Principle in [x] Check if project performed with current firm

Betsy was the PM in charge of the crews and office. Establish horizontal and vertical control. Stake out the irrigation IQ line at 100-foot intervals and tees, bends and valves. The center of each drill pit will be staked and two lathe giving direction will be placed along the alignment. Perform and prepare As-built survey for the irrigation pipe line

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Ernesto J. Garcia	Project Surveyor – P.L.S.	a. TOTAL 39	b. WITH CURRENT FIRM 1 3/4 years

15. FIRM NAME AND LOCATION (City and State)
Betsy Lindsay, Inc. Stuart, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Bachelors in Professional Studies / Business B.P.S., Barry University, Miami Shores, FL 1990	LS 3878

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
AutoCAD 2018
Associates in Land Surveying A.S., Palm Beach Community College Lake Worth, FL. 1976
Associates in Architecture A.A., Palm Beach Community College Lake Worth, FL. 1975

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Lift Stations 20 & 89Rehabilition West Palm Beach	PROFESSIONAL SERVICES Surveying	CONSTRUCTION (If Applicable) 2019

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

Ernie is the project surveyor in charge of the survey crews for the construction staking and asbuilt survey for both Lift Stations located in south PB area. He directed the crew to establish horizontal and vertical control at each site. Along with the staking of the pipes, concrete slabs, transfer and fence. He also supported both office and field with the asbuilts.

b.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Davis Road West Palm Beach, Florida	PROFESSIONAL SERVICES Surveying	CONSTRUCTION (If Applicable) 2019 – On going

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

Survey design to support the watermain crossing on Davis Road over the LWDDL6 Canal Bridge replacement. This project is located in Palm Beach County and estimated 2/10th of a mile in length. Ernie is supporting the set up the project with both office and field. He will supply the client with the design support survey with data collected from field and AutoCAD drawing created in the office.

c.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
WWTP #11 Belle Glade, Florida	PROFESSIONAL SERVICES Surveying	CONSTRUCTION (If Applicable) 2019 – On going

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

Mr. Garcia is the PM on this Construction staking and Asbuilts to support the crew for control on site and staking of pipes, concrete slabs for building pad and gravel pad, gravity wall, pavement, BOC for the sidewalk area, POB on the pond area and drainage structures. Asbuilts were performed and AutoCAD drawing will be delivery at the completion of construction.

d.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Hobe Heights Hobe Sound, Florida	PROFESSIONAL SERVICES Surveying	CONSTRUCTION (If Applicable) 2019

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

Hobe Heights is a 3 mile sub-division located in Hobe Sound, Florida. We are providing the client with construction staking and asbuilts for the neighborhood restoration and water main improvements. BLI will establish horizontal and vertical control for this site. Stake the water main fittings and at one hundred-foot intervals. Perform and prepare a record survey on the water main when construction is completed.

e.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Port Mayaca Lot12 Western Martin County, Florida	PROFESSIONAL SERVICES Surveying	CONSTRUCTION (If Applicable) 2019

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

Mr. Garica supported the crews on the 20 Acres boundary survey with above ground improvements Lot 12 in locate in the plat of Port Mayaca Plantation Phase 2 in western Indiantown. Ernie reviewed the title comments and working with the cadd tech to place all the exceptions on the survey. We supplied the client with an AutoCAD drawing in 2018.

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)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Design Services for Melaleuca Boulevard Force Main City of Port St. Lucie, FL	2020	TBD

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Port St. Lucie Utility Systems	John Eason, PE	772-873-6487

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

HCE is provided professional engineering services related to the survey, geotechnical exploration, design, permitting, bidding, and construction for approximately 6,600 linear feet of new force main. The new force main will reduce pressures in the southeast portion of the City's wastewater transmission system and allow existing and future lift stations to pump additional wastewater to the Southport Inline Booster Pump Station.

The force main was designed to either be used as a dedicated effluent force main for Lift Station SP-40 or to be manifolded with an existing force main to service Lift Station Nos. SP-16, SP-40, and SP-42. As part of this project, HCE is performing hydraulic modeling and an evaluation of the existing force main and proposed force main systems to determine the appropriate force main diameter. The force main was designed to be constructed primarily of HDPE and be installed via the horizontal direction drill method along SE Melaleuca Boulevard from Lift Station No. SP-40 to the west, where it will ultimately tie into an existing 16-inch force main beneath the southbound travel lanes of Lennard Road.

This project was fast-tracked so the force main could be constructed to help alleviate the effects of potential hurricanes or other severe weather events. The Florida Department of Environmental Protection (FDEP) permit was obtained within three weeks of the design beginning. The City is currently entering into an agreement with a contractor and then construction will begin.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Holtz Consulting Engineers, Inc.	Stuart, FL	Engineering Consultant
b.	Betsy Lindsay, Inc.	Stuart, FL	Survey
c.	Andersen Andre Consulting Engineers, Inc.	Stuart, FL	Geotechnical Consultant
d.			
e.			
f.			

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
	2

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Nanofiltration Concentrate Pipeline and Blending Pump Station Palm Beach Gardens, FL	2013	2013

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Seacoast Utility Authority	Rim Bishop	(561) 627-2900

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The project included the design, permitting, bidding and construction administrative services of the installation of a new 3.8-mile, 16-inch pipeline from the Seacoast Utility Authority Hood Road Water Treatment Plant to the PGA Wastewater Treatment Plant for blending nanofiltration concentrate with reclaimed water and distribution to their reclaimed water customers. A 2-inch fiber optic conduit was installed in the same trench as the concentrate main for the future installation of a fiber optic cable. This project included the horizontal directional drilling of Military Trail, Interstate 95, Florida's Turnpike, Central Boulevard, and Jog Road. Work included coordination with permitting authorities, the FDOT, and home owner associations. HCE also performed design, permitting, bidding and construction administrative services of a nanofiltration concentrate pump station at the PGA WWTP. The blending station pumps nanofiltration concentrate from a lined holding pond at the PGA WWTP to the chlorine contact chamber at a controlled rate to optimize the conductivity/salinity of the blend water. A portion of this project was funded through an Alternative Water Supply Grant from the South Florida Water Management District. Engineering Fee: $284,980

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Holtz Consulting Engineers, Inc.	Jupiter, FL	Engineering Consultant
b.			
c.			
d.			
e.			
f.			

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)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
LRD Loxahatchee River Road IQ Main and Force Main (Jupiter, FL)	2019	2019

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Loxahatchee River District (LRD)	Kris Dean, PE	561-747-5700

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

HCE assisted the Loxahatchee River District with the installation of a new force main and reclaimed water main along Loxahatchee River Road. The project consisted of approximately 3,200 linear feet of new 4-inch PVC force main and 150 linear feet of 2-inch PVC low-pressure force main installed via open-cut methods. The portion of the mains that crossed underneath a tributary within the Northwest Fork of the Loxahatchee River were installed via horizontal directional drilling (HDD) methods. This included approximately 400 linear feet of 4-inch and 2-inch HDPE force main and 400 linear feet of 16-inch HDPE reclaimed water main that was constructed concurrently. The new force main provided a backup and alternative routing of wastewater flows in the sewage conveyance system. The proposed reclaimed water main replaced the existing aerial crossing pipe at the end of its useful life. HCE provided surveying, engineering design, permitting, bidding assistance, and services during construction related to the force main extension and reclaimed water project. The total construction cost was $458,486.23.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Holtz Consulting Engineers, Inc.	Jupiter, FL	Engineering Consultant
b.	Lideberg Land Surveying	Jupiter, FL	Surveyor
c.			
d.			
e.			
f.			

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: 4

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Martin County Utilities Wastewater Treatment Plant Reclaimed Water Storage Tank and Pumps (Stuart, FL)	2018	2018

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Martin County Utilities	Jeremey Covey, PE	772-221-2353

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

HCE provided preliminary and final design, permitting, bidding, and construction administrative services for a two-phase reclaimed water storage and pumping improvements project at the Tropical Farms Wastewater Treatment Plant. Phase I consisted of a new one-million-gallon prestressed concrete reclaimed water storage tank including vibroflotation compaction beneath the tank, bypass piping, and piping relocations. Phase II included a new reclaimed water distribution pump station including 18-inch through 36-inch suction and discharge piping and three vertical turbine pumps. An effluent transfer pump station with three new vertical turbine pumps located at the chlorine contact basin was also included. Phase II also consisted of replacing two existing Return Activated Sludge (RAS) pumps with new dry-pit mounted chopper-style pumps. Both phases were completed on schedule and the total engineering fee was $137,620.00.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Holtz Consulting Engineers, Inc.	Stuart, FL	Engineering Consultant
b.	Betsy Lindsay, Inc.	Stuart, FL	Surveyor
c.			

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

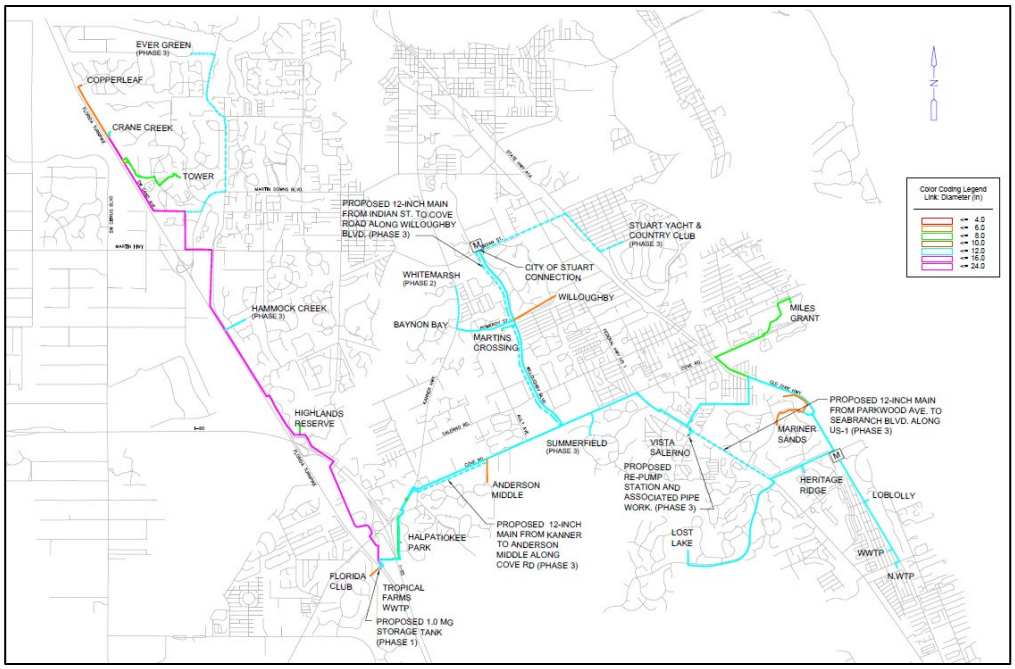
21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Martin County Utilities Reclaimed Water System Modeling (Stuart, FL)	2012	N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Martin County Utilities	Jeremy Covey, PE	772-221-2353

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This Project included hydraulic modeling and alternatives analysis to evaluate improvements needed to convey reclaimed water from the City of Stuart to South Martin Regional Utility through the Martin County Utilities distribution system. The project included the field-testing of the existing MCU Reclaimed Water Distribution System in order to calibrate the hydraulic model. Once the hydraulic model was calibrated a hydraulic evaluation was performed. Based on the results of the modeling, capital improvements required to deliver reclaimed water to MCU's existing customers while serving South Martin Regional Utility were recommended and the associated costs were developed.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Holtz Consulting Engineers, Inc.	Jupiter, FL	Engineering Consultant
b.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
f.	(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 6

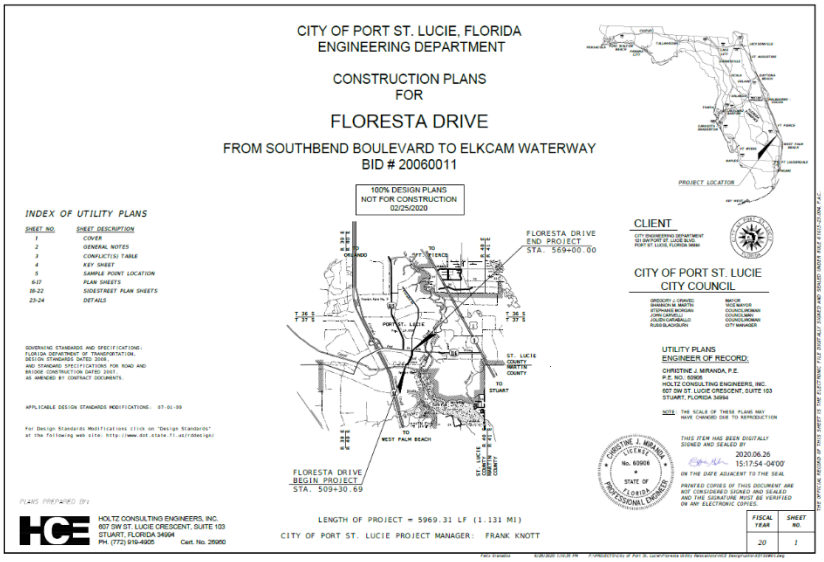
21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Floresta Drive Utility Adjustment Plans City of Port St. Lucie, Florida	2020	TBD

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
American Consulting Professionals, LLC	Christopher O'Reilly, PE	561-253-9563

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

HCE provided design engineering services for the relocation of water mains, low pressure force mains, and force mains within the City of Port St. Lucie along approximately three miles of Floresta Drive from Elkcam Waterway to Prima Vista Boulevard. As part of this project, HCE prepared drawings to depict the proposed utility relocations in accordance with FDOT and City of Port St. Lucie Standards. Utility locations are being performed as a response to proposed FDOT widening of the roadway, and new stormwater improvements.


CITY OF PORT ST. LUCIE, FLORIDA
ENGINEERING DEPARTMENT

CONSTRUCTION PLANS
FOR
FLORESTA DRIVE
FROM SOUTHBEND BOULEVARD TO ELKCAM WATERWAY
BID # 20060011

100% DESIGN PLANS
NOT FOR CONSTRUCTION
02/25/2020

INDEX OF UTILITY PLANS

SHEET NO.	SHEET DESCRIPTION
1	COVER
2	GENERAL NOTES
3	CONFLICT(S) TABLE
4	KEY SHEET
5	SAMPLE POINT LOCATION
6-17	PLAN SHEETS
18-22	SIDESTREET PLAN SHEETS
23-24	DETAILS

FLORESTA DRIVE
END PROJECT
STA. 569+00.00

FLORESTA DRIVE
BEGIN PROJECT
STA. 509+30.69

CLIENT
CITY OF PORT ST. LUCIE
CITY COUNCIL

UTILITY PLANS
ENGINEER OF RECORD:
CHRISTINE J. MIRANDA, P.E.
P.E. NO.: 60906
HOLTZ CONSULTING ENGINEERS, INC.
907 SW ST. LUCIE CRESCENT, SUITE 103
STUART, FLORIDA 34994

HOLTZ CONSULTING ENGINEERS, INC.
907 SW ST. LUCIE CRESCENT, SUITE 103
STUART, FLORIDA 34994
PH. (772) 918-4905 Cert. No. 28060

LENGTH OF PROJECT = 5969.31 LF (1.131 MI)
CITY OF PORT ST. LUCIE PROJECT MANAGER: FRANK KNOTT

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Holtz Consulting Engineers, Inc.	Stuart, FL	Engineering Consultant
b.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE

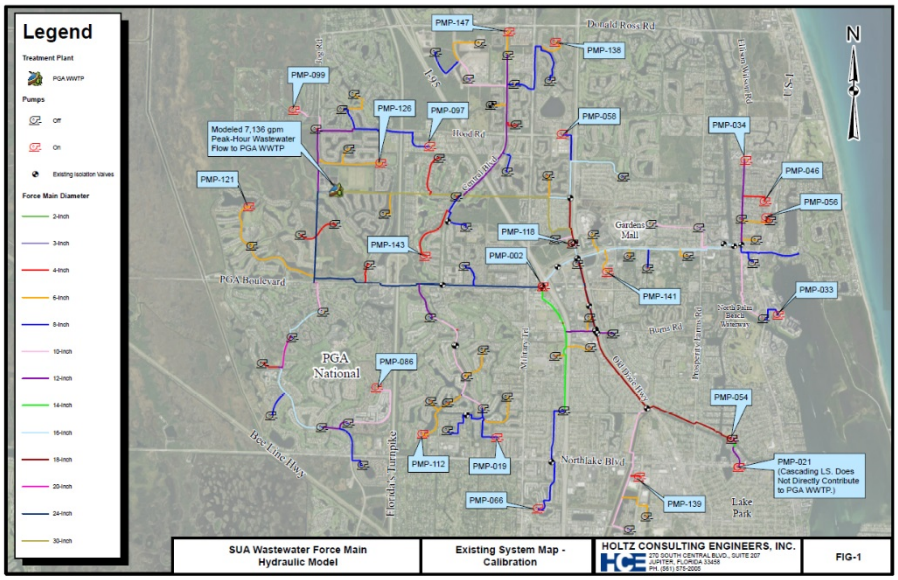
F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT *(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*	20. EXAMPLE PROJECT KEY NUMBER 7

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
SUA Hydraulic Modeling – Potable Water Distribution, Reclaimed Water Transmission, and Wastewater Transmission Systems (Palm Beach Gardens, FL)	2019	N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Seacoast Utility Authority	Brent Weidenhamer, PE	(561) 627-2900 ext. 1494

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*



Holtz Consulting Engineers, Inc. (HCE) assisted Seacoast Utility Authority (SUA) to develop calibrated hydraulic models of the SUA potable water distribution system, reclaimed water transmission system, and wastewater transmission system and, utilizing those calibrated models, performed several hydraulic modeling scenarios.

The hydraulic models were drawn in the ESRI Geographic Information System (GIS) environment as fully connected geometric networks and then imported and developed using Innovyze Infowater hydraulic modeling software. Pipes were assigned diameters and roughness coefficients based on size and material from available SUA record drawings or GIS, node elevations were assigned based on United States Geologic Survey (USGS) lidar topography, and model boundary conditions were assigned based on information from SUA staff. The models were calibrated to most closely match Supervisory Control and Data Acquisition (SCADA) records during peak flow conditions or various field tests if applicable (i.e. hydrant flow tests).

These hydraulic models were used to develop "what if" scenarios to provide SUA with a data driven approach to proactively address existing and future impacts to their water distribution, reclaimed transmission, and wastewater transmission systems. Examples of hydraulic modeling scenarios included but are not limited to: addressing the addition of a new 1,000,000 square-foot Florida Power and Light headquarters to the potable water distribution system, providing justification for SUA's potable water distribution system to qualify for the Insurance Services Office's (ISOs) Class 1 through 8 classification, and providing recommendations for replacing old and difficult to access asbestos cement wastewater pipe with new ductile iron pipe in a location more suitable for SUA operation and maintenance personnel.

FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Holtz Consulting Engineers, Inc.	Jupiter, FL	Engineering Consultant
b.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
d.	(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
	8

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Martin County Utility Western Force Main & Water Main Extension Project Martin County, FL	Ongoing	N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Martin County Utilities	Jeremy Covey, PE	772-221-2353

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

HCE is providing design and permitting services for the addition of approximately 29,800 linear feet of water and 36,000 linear feet of wastewater mains necessary to include new customers, currently served by individual septic tanks, in the service area located along State Road 714 between Florida's Turnpike and Interstate 95. The project will connect these Western Utility Extension users to the MCU wastewater transmission system upstream of existing Lift Station No. 540. HCE has designed upgrades to existing Lift Station No. 540 to repump wastewater flow from the Western Corridor Extension to the Martin Downs In-line Booster Pump Station, also design by HCE.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Holtz Consulting Engineers, Inc.	Stuart, FL	Engineering Consultant
b.	Betsy Lindsay, Inc.	Stuart, FL	Surveyor
c.	Andersen Andre Consulting Engineers	Port St. Lucie, FL	Geotechnical Engineer
d.			
e.			
f.			

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)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
South Martin Regional Utility Greenland Palms Force Main Extension Hobe Sound, FL	2019	2019

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
South Martin Regional Utility	Monica Shaner, PE	772-546-6259

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This project involved surveying, design engineering, permitting, bidding, and construction administration services for the installation of a new 8-inch force main in the right-of-way of US-1 in Hobe Sound. Approximately 7,200 linear feet of 8-inch force main was installed via a combination of open-cut and horizontal directional drill methods. HCE coordinated with the Florida Department of Environmental Protection and the Florida Department of Transportation for all necessary permitting. The project was completed on schedule and the total construction cost was $401,100.00.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Holtz Consulting Engineers, Inc.	Jupiter, FL	Engineering Consultant
b.			
c.			
d.			
e.			
f.			

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)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Boca iSIP Projects Neighborhood Water Main and Force Main Replacements, Boca Raton, FL	Ongoing	Ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Boca Raton	Lauren Burack, PE, CIP Manager	(561) 338-7329

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

In 2017, the City of Boca Raton completed a critical infrastructure analysis to evaluate and prioritize the renewal or replacement of large-diameter pressurized pipelines within the City's service area. The vital assets studied consist of over 600 miles of water main as well as over 100 miles of force main. This analysis was performed to plan for the future of the utility system so that the City can continue to provide a high level-of-service to utility customers. The infrastructure analysis results are the basis for the City's multi-year sustainable infrastructure initiative. The first phase of this initiative includes multiple neighborhood projects. The assets being upgraded in this phase are a collaboration between the Utility Services and Municipal Services Departments. The goal is to holistically upgrade the existing neighborhood infrastructure. HCE was selected by the City to complete the utility locating, geotechnical investigation, survey, design, permitting, bidding and construction services for infrastructure improvements in three neighborhoods. The upgrades generally include construction of larger diameter water mains to replace aged mains, relocation and elimination of rear water service lines, as well as roadway, stormwater, and sidewalk improvements. HCE has completed the design and permitting of one of the Country Club Village and SW 18th Street neighborhood, which included a 16-inch water main under Interstate-95. Construction in this neighborhood has begun, and 60% engineering design has been completed for the second neighborhood. Engineering fees to date: $521,713.29.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	Holtz Consulting Engineers, Inc	Jupiter, FL	Engineering Consultant
b.			
c.			
d.			
e.			
f.			

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
Christine Miranda, PE	Client Service Manager	X		X			X				X
Curtis Robinson, PE	Project Manager	X	X		X	X	X	X	X	X	
Andrea Holtz, PE	Utility Planning and Grant Writing						X				X
David Holtz, PE	QA/QC		X		X	X		X	X	X	
Stephen Fowler, PE	Senior Engineer		X								
Larry Lardieri, PE	Senior Engineer								X		X
Matthew Paymer, PE	Project Engineer	X				X		X	X		
Kaitlin Wood, EI	Project Engineer				X					X	
Harrison Barron, EI	Project Engineer			X							X

29. EXAMPLE PROJECTS KEY

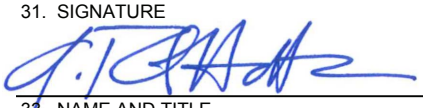
NUMBER	TITLE OF EXAMPLE PROJECT *(From Section F)*	NUMBER	TITLE OF EXAMPLE PROJECT *(From Section F)*
1	Design Services for Melaleuca Blvd. Force Main	6	Floresta Drive Utility Adjustment Plans
2	Nanofiltration Concentrate Pipeline and Blending	7	SUA Potable, Reclaimed, & Wastewater Modeling
3	Loxahatchee River Road IQ and Force Main	8	MCU Western Force Main & Water Main Extension
4	Reclaimed Water Storage Tank and Pumps	9	SMRU Greenland Palms Force Main Extension
5	MCU Reclaimed Water System Modeling	10	iSIP Projects Neighborhood Water and Force Main

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE	32. DATE
	8/13/20

33. NAME AND TITLE

Andrea Holtz, PE - President

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: #20200081

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (*or Branch Office*) NAME: Holtz Consulting Engineers, Inc	3. YEAR ESTABLISHED: 2006 / 4. UNIQUE ENTITY IDENTIFIER: 781047787
2b. STREET: 607 SW St. Lucie Crescent, Suite 103	5. OWNERSHIP
2c. CITY: Stuart / 2d. STATE: FL / 2e. ZIP CODE: 34994	a. TYPE: S Corporation
6a. POINT OF CONTACT NAME AND TITLE: Andrea Holtz, PE - President	b. SMALL BUSINESS STATUS: M/WBE Owned Small Business
6b. TELEPHONE NUMBER: 561-575-2005 / 6c. E-MAIL ADDRESS: andrea.holtz@holtzconsulting.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	N/A	N/A

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. Number of Employees (1) FIRM	c. Number of Employees (2) BRANCH
08	CADD Designer/Drafter	2	
12	Civil Engineer	6	
23	Environmental Engineer	6	
02	Administrative	1	
15	Construction Inspector	1	
16	Construction Manager	1	
	Other Employees		
	Total	17	

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)*
C15	Construction Management	3
D04	Design-Build	1
S04	Sewage Collection, Treatment & Disposal	4
W02	Water Resources, Hydrology & Ground Water	1
W03	Water Supply, Treatment & Distribution	3
	Deep Well Injection Permitting, Design & Testing	1
	Grant Writing	1

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	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: 

b. DATE:

c. NAME AND TITLE: Andrea Holtz, PE - President

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER **RFP #20200081**

PART II – GENERAL QUALIFICATIONS

2a. FIRM (OR BRANCH OFFICE) NAME			3. YEAR ESTABLISHED	4. DUNS NUMBER
Andersen Andre Consulting Engineers, Inc.			2005	36 104 27 52
2b. STREET			5. OWNERSHIP	
834 SW Swan Avenue			a. TYPE	
			Corporation	
2c. CITY	2d. STATE	2e. ZIP CODE	b. SMALL BUSINESS STATUS	
Port St. Lucie	FL	34983	No	
6a. POINT OF CONTACT NAME AND TITLE			7. NAME OF FIRM (if block 2a is a branch office)	
David P. Andre, P.E., President				
6b. TELEPHONE NUMBER	6c. E-MAIL ADDRESS			
(772) 807-9191	dandre@aaceinc.com			
8a. FORMER FIRM NAME(S) (if any)			8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPOLYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) Firm	c. No. of Employees (2) Branch
12	Civil Engineer	1	
23	Environmental Engineer	1	
27	Foundation/Geotechnical Engineer	1	
58	Technician/Analyst	6	
	TOTAL	**9**	

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)
B02	Bridges	1
C10	Commercial Buildings (low rise), Shopping Centers	2
E02	Educational Facilities, Classrooms	1
E09	Environmental Impact Studies, Assessments	2
H07	Highways, Streets	2
H11	Housing (Residential, Multi-family, Apartments)	1
I06	Irrigation/Drainage	1
L04	Libraries	1
M06	Mining and Mineralogy	1
O01	Office Buildings	2
R04	Recreational Facilities	1
R11	Rivers, Canals, Waterways	1
S05	Soils & Geologic Studies, Foundations	4
S13	Stormwater Handling Facilities	2
T02	Testing and Inspection Services	4
W01	Warehouses and Depots	1
W02	Water Resources	1
W03	Water Supply	1
H09	Hospitals, Medical Facilities	2

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUE OF FIRM FOR LAST 3 YEARS
(Insert revenue index number shown at right)

a. Federal Work	1
b. Non-Federal Work	4
c. Total Work	4

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,0000
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
	August 10, 2020

c. NAME AND TITLE

David P. Andre, P.E., President/Principal

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: #20200081

PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME: Betsy Lindsay, Inc.		3. YEAR ESTABLISHED: 1998	4. DUNS NUMBER: 044171119
2b. STREET: 7997 SW Jack James Drive		5. OWNERSHIP	
		a. TYPE: Corporation	
2c. CITY: Stuart	2d. STATE: FL / 2e. ZIP CODE: 34997	b. SMALL BUSINESS STATUS: N.A.I.C.S. 541370	
6a. POINT OF CONTACT NAME AND TITLE: Elizabeth A. Lindsay		7. NAME OF FIRM (If block 2a is a branch office)	
6b. TELEPHONE NUMBER: 772-286-5753	6c. E-MAIL ADDRESS: rhankins@betsylindsay.com		
8a. FORMER FIRM NAME(S) *(If any)*: N/A		8b. YR. ESTABLISHED: N/A	8c. DUNS NUMBER: N/A

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	(2) BRANCH
02	Administrative	1	
08	CADD Technician	3	
38	Land Surveyor	10	
48	Project Managers	2	
	Other Employees	0	0
	Total	16	0

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)*
C16	Construction Staking	2
G03	Geodetic Surveying	1
H13	Hydrographic Surveying	1
L02	Landing Surveying	3
S10	Surveying Platting: Mapping	2
T04	Topographic Surveying and Mapping	3

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	5
c. Total Work	5

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: 08/11/2020

c. NAME AND TITLE: Elizabeth A. Lindsay, P.L.S. President

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: RFP #20200081

PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (*or Branch Office*) NAME: Underdog Utility Detection, LLC.	3. YEAR ESTABLISHED: 2018
	4. UNIQUE ENTITY IDENTIFIER:
2b. STREET: 3524 Lone Pine Rd	5. OWNERSHIP
	a. TYPE: Sole Propriator
2c. CITY: Delray Beach	2d. STATE: FL
	2e. ZIP CODE: 33445
	b. SMALL BUSINESS STATUS: na
6a. POINT OF CONTACT NAME AND TITLE: Justin Ryan, President	7. NAME OF FIRM *(If Block 2a is a Branch Office)*: na
6b. TELEPHONE NUMBER: 561-870-4943	6c. E-MAIL ADDRESS: justin@udloc.com

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

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. Number of Employees (1) FIRM	c. Number of Employees (2) BRANCH
	underground utility locating	1	
	Other Employees		
	Total		

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)*
	boca raton water infrastructre - p1	1
	boca raton water infrastructre - p2	1
	E View Manor - Penn Park W&S	1
	stuart RO water treatment plant	1

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	1
c. Total Work	2

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: Justin Ryan

b. DATE: 08/12/2020

c. NAME AND TITLE: Justin Ryan, President

HOLTZ CONSULTING ENGINEERS, INC.
607 S.W. St. Lucie Crescent, Suite 103, Stuart, FL 34994
Phone: (772) 919-4905 Fax: (772) 919-4909

August 14, 2020

City of Port St. Lucie
121 S.W. Port St. Lucie Boulevard
Port St. Lucie, FL 34984-5099

Subject: Sealed Electronic Proposal #20200081 Request for Proposals (RFP) for Design Services for the Glades-Tradition Reuse Water Main Project

Dear Selection Committee Members,

Holtz Consulting Engineers, Inc. (HCE) is pleased to submit our Proposal for providing professional engineering services to the City of Port St. Lucie for the Glades-Tradition Reuse Water Main project. HCE is a local engineering firm with offices in Stuart, Jupiter, and Okeechobee. We have extensive related experience with design and construction of reclaimed water mains and distribution system extensions. We specialize in providing quality, cost-effective, and responsive engineering service to water and wastewater utilities in South Florida, and a summary of our experience, capabilities, resources, and team is included on the following pages.

HCE specializes in water and wastewater engineering, including wastewater collection, treatment, reuse and disposal, as well as potable water supply, treatment and distribution. A summary of our related project experience in the past several years is provided in our SF 330 form provided under File #3 as well as later in this document. HCE has immediate staff availability to provide timely and efficient service to the City of Port St. Lucie for this project and are fully committed to helping you implement this project in a timely and efficient manner. We take pride in completing our projects on time and within budget, with an emphasis on quality and helping you achieve your goals. Please review our reference letters to hear about our responsive service.

We appreciate the opportunity to submit our response and qualifications package. We believe that the City of Port St. Lucie will benefit from selecting HCE to provide engineering consulting services because of our staff's expertise, qualifications and relevant experience, and the efficient size, structure and location of our firm and our subconsultants. All of us at HCE as well as our team of subconsultants are committed to providing the City of Port St. Lucie with responsive, quality and cost-effective utility engineering service. We look forward to the opportunity to discuss the benefits to the City of Port St. Lucie of selecting HCE for the Glades-Tradition Reuse Water Main project.

Sincerely,

Andrea Holtz, PE
President

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EXECUTIVE SUMMARY

Holtz Consulting Engineers, Inc. (HCE) is ready and eager to assist the City of Port St. Lucie (City) with the extension of their reclaimed water distribution system with the Glades-Tradition Reuse Water Main project. HCE'S extensive experience with pipeline design, permitting and construction management will help the City implement the Glades-Tradition Reuse Water Main project in the most efficient and optimal way. HCE understands the need for the project, potential pipeline routes and local conditions. HCE has the experience and expertise to perform site investigations, develop detailed drawings and specifications and apply for and obtain the required permits for the project. We are also very experienced at construction management and inspection of large water, wastewater, reclaimed water and natural gas pipelines, and have a very successful track record of pipeline project implementation. We have the immediate staff availability and commitment to provide quality, timely, and cost-effective services. HCE will provide responsive and outstanding service and value to the City on this project and will bring to the City:

- Extensive successful prior experience with local pipeline projects
- Strong local engineering and construction expertise
- Local company that specializes only in utility engineering
- Commitment to the success of the project, Port St. Lucie, and the community

The HCE team also brings to the City extensive experience with utility easement assistance. We have assisted our clients in obtaining easements for the purpose of installing utility infrastructure from private landowners, Florida Power & Light, and Florida East Coast and CSX Railway Transportation. Our team can assist the City with survey, preparation of sketch and legal descriptions, correspondence with the various agencies, and coordination on the legal elements of the process.

HCE staff have obtained easements from Florida Power & Light for over 20 miles of pipeline installation

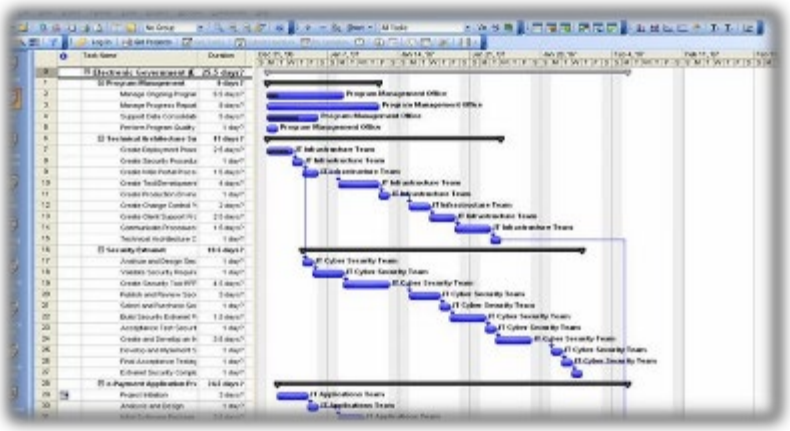
The following section summarizes HCE's overall concept of the working relationship and components to assist the City of Port St. Lucie with implementing this important reclaimed water system extension project. Specific activities proposed to ensure that each project is implemented in conformance with the high-quality standards that the City expects and deserves are also discussed.

HCE has the willingness and ability to meet the time and budget requirements of all engineering assignments entrusted to us by the City of Port St. Lucie. Our firm was founded on the philosophy that our Client's needs come first and we are dedicated to doing whatever it takes to meet the schedule and budget requirements on all projects. Our size, location and efficient structure allow us to provide very cost-effective engineering service, without requests for additional compensation for routine changes in project design and scope of work.

Our staff has extensive prior successful experience providing timely and cost-effective

engineering service to all our utility Clients and we have the staff availability and expertise to meet the time and budget requirements of all tasks on this very important project for the City. We will work hard to ensure that all tasks are completed to the full satisfaction of the City.

We understand the concept of designing your project with your budget in mind. We listen to you to understand your needs and budget constraints and will develop design documents that address all your project requirements. We will monitor and update accordingly construction cost estimates and communicate effectively with City staff to ensure that the project is completed on time and within budget. Once the project is under construction, we will work closely with the contractor and the City to develop a win-win approach, and help them meet their schedule, while controlling costs, to the benefit of the City.



HCE uses several tools to ensure that we can commit the adequate resources to successfully complete our projects on time

Communication and Schedule Monitoring

In order to monitor project status and schedule, HCE suggests holding bi-weekly or monthly project meetings during construction. Progress reports prepared by the contractor will be evaluated at each meeting including detailed information on the construction status, permit status, project schedule, potential contractor change orders, and other pertinent aspects of the work. HCE will prepare and distribute minutes of these meeting to memorialize any decisions made and direction given. This frequent communication ensures that the City is fully aware of the status of the work and that the schedule and budget are being monitored and adhered to. HCE will monitor construction progress by comparing progress of construction activities on a weekly basis to the contractor's original schedule. Should the project schedule slip, HCE will ensure that the issue is quickly addressed and rectified by requesting the Contractor to add crews and/or work extended hours. Closely monitoring the contractor's progress with their original schedule on a weekly basis is a proactive measure we utilize to keep the project on schedule.

HCE is committed to providing the City with the highest quality engineering services possible. We believe we have proven our commitment and dedication on past and current projects for both the City and other local utilities and hope you contact our references provided. We look forward to the opportunity to demonstrate our commitment and value on this project for the City of Port St. Lucie. Our approach to satisfying our clients is to perform our work to the highest quality, on time and without any change orders or amendments for minor changes in the scope.

HCE's Work Plan & Local Knowledge

HCE has all the necessary software and capabilities in house to complete the work products required as part of this project. This includes, but is not limited to the latest versions of AutoCAD software, Microsoft Office, and either WaterGems or Innovyze hydraulic models as needed. Additionally, we have our own forms we utilize for successful project execution including a Project Management Plan, field reports, concrete checklist, pressure test form, reference check forms, submittal logs, and resident complaint logs. With respect to keeping track and staying on top of project schedule we utilize Gantt charts and Excel based spreadsheet tools to ensure that we commit the adequate resources to successfully complete our projects on time.

HCE is familiar with the local conditions and goals for the City of Port St. Lucie and the Glades-Tradition Reuse Water Main Project. Your proposed Client Service Manager, Christine Miranda, and Project Manager, Curtis Robinson, for this contract are both long-standing residents of the City of Port St. Lucie and have a vested interest in the success of everything the City does. Both of HCE's Construction Manager/Inspectors are also residents, which allows us to provide quick and responsive service on all of your projects. We have recent experience working for the City on several projects for water and wastewater infrastructure and funding assistance, which has given us an in-depth understanding of the City's current standards and processes for project execution. In addition, HCE through being members of the community and participating in local events, comprehends the key elements needed to make the City's projects successful.

HCE's project approach, location, size, and familiarity with local conditions and permitting authorities will result in timely and a cost-effective project delivery

HCE staff have known and worked with City staff for nearly nineteen years and have developed professional and trusting relationships. HCE truly enjoys working with the City of Port St. Lucie and we are looking forward to having the opportunity to continue our great working relationship on this project.

Cost-Effective Design Approach

HCE understands the importance of providing the City with a cost-effective design for this and all of your projects. We are committed to ensuring that each aspect of the project is thoroughly evaluated, and the design recommendations provide the most efficient and reliable system possible with minimal impacts to the residents and neighborhoods during construction.

During design HCE will conduct internal constructability reviews and value engineering analysis to ensure minimal construction change orders and that the most cost-effective design approach

is being implemented. Where necessary, HCE will consult with experienced contractors to ensure that the design approach is reasonable and constructable.

QUALITY, EXPERIENCE, CAPABILITIES AND RESOURCES

Overview of HCE

HCE's Professional Engineers aren't afraid to work hard to get the job done

HCE was founded in 2006 to assist local municipalities such as the City of Port St. Lucie with high-quality, responsive, and efficient engineering services on utility infrastructure and facility improvement projects. HCE is a certified small and minority business that specializes in water/wastewater engineering for local public utilities. The firm's founders and owners, Andrea and David Holtz, each bring to our Clients over 30 years of comprehensive engineering and management experience and have guided the company from a start-up to a full-service firm with eight experienced professional engineers, four outstanding project engineers, two civil/mechanical designer/drafters, and two veteran construction managers/inspectors.

We specialize in providing responsive and efficient utility engineering services to Clients located primarily in St. Lucie, Martin, Okeechobee, and Palm Beach Counties. Our engineering and management expertise include the following areas:

- Wastewater collection/transmission, treatment, reuse, and disposal.
- Water treatment, storage, and distribution.
- Water supply wells and raw water pumping and conveyance.
- Permitting of infrastructure and plant improvements.
- Reclaimed water production, storage, and distribution systems.
- Biosolids treatment and handling systems.
- Master planning, capital improvement planning, budgeting assistance, and asset management.
- Hydraulic modeling of water distribution, raw water conveyance, wastewater collection, and reclaimed water distribution systems.
- Construction management services including inspection and start-up services.
- Water resource management and alternative water supply.
- Grant writing and administration.

HCE and our team members provide significant experience and capabilities in all phases of project implementation, including planning, hydraulic modeling, condition assessments, rehabilitation, preliminary engineering and final design, public relations and communication, grant writing and administration, permitting, procurement, construction services, and project start-up and close-out.

Qualifications of the Project Team for Port St. Lucie

All of the members of HCE are actively engaged in providing service to our valued clients, allowing us to provide efficient and cost-effective service. Our staff specializes in water, wastewater and reclaimed water engineering and welcomes the opportunity to provide high-quality service to The City of Port St. Lucie. A brief summary of the role of our staff and particular areas of expertise is provided in the following pages.

Christine Miranda, PE

- Office Location: Stuart, FL
- Contact Information: christine.miranda @holtzconsulting.com (772) 919-4905
- Experience: 21 years consulting experience specializing in water and wastewater infrastructure
- Education: BS, Bioresource Engineering, Rutgers University, 1999
- Licenses/Registration: Professional Engineer, Florida, Registration No. 60906

Christine Miranda, PE will serve as the Client Service Manager for the City of Port St. Lucie on this project. With over 21 years of utility engineering and management experience in Southeast Florida, she has extensive experience with water, wastewater and reclaimed water project implementation and has demonstrated a consistent commitment to the success of her projects and the satisfaction of her Clients. Christine has prior successful experience for local utilities and is very pleased to have the opportunity to continue to work with City of Port St. Lucie on their projects.

Curtis Robinson, PE

- Office Location: Stuart, FL
- Contact Information: curtis.robinson @holtzconsulting.com (772) 919-4905
- Experience: 17 years consulting experience specializing in wastewater treatment, disposal, and reuse production
- Education: BS Civil Engineering, Missouri S&T, 2001, MS Engineering Management, Missouri S&T, 2003
- Licenses/Registration: Professional Engineer, Florida, Registration No. 65685

Curtis Robinson, PE will be the Project Manager for City of Port St. Lucie on this project. Curtis is an accomplished professional engineer with over 17 years of water, wastewater and reclaimed water treatment and collection system design, construction management and client service experience. Curtis has successfully managed numerous water and wastewater treatment and reclaimed water projects for clients such as Martin County Utilities and Seacoast Utilities Authority and is currently managing several City of Port St. Lucie projects.

Curtis will focus on delivering exceptional service to the City for highly successful project delivery. He is a very effective project manager and ensures successful completion of all projects from small, fast- paced projects to large projects with numerous disciplines and subconsultants. Curtis has also provided outstanding service to local utilities for many years and has a comprehensive understanding of water and wastewater systems and the challenges that local utilities face in providing cost-effective and environmentally-sound water and wastewater service to their customers.

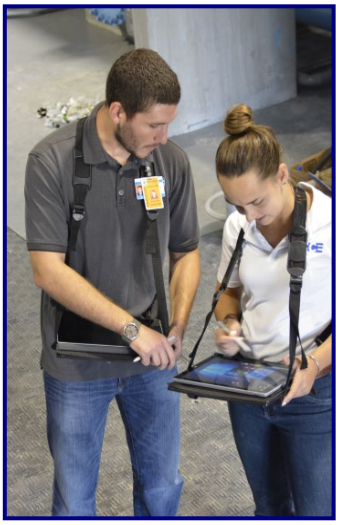
- **Andrea P. Holtz, PE**: Andrea Holtz co-founded Holtz Consulting Engineers, Inc. in 2006. With over 33 years of progressive design and management experience, she is responsible for overall management of the firm and specializes in funding analysis and grant consulting services, master planning and asset management, permitting, and program management services. Ms. Holtz has a comprehensive understanding of the grants available and regulations applicable to water, wastewater and stormwater utilities and public works projects in Florida, as well as a solid understanding of the unique issues affecting local utilities in Southeast Florida and is currently assisting the City with several grant applications. Andrea has also worked in engineering and management positions at the South Florida Water Management District and FPL. *Education: BS Environmental Engineering, University of Florida, 1986*

- **David F. Holtz, PE:** Dave Holtz co-founded Holtz Consulting Engineers, Inc. in 2006. He is responsible for management of the firm's water, wastewater and reclaimed water engineering services and ensuring quality assurance and quality control on HCE projects. Dave has over 33 years of utility engineering and management experience in southeast Florida and has specialized in water and wastewater engineering. He has significant experience with wastewater project implementation in South Florida and is very pleased to have the opportunity to focus on clients and projects with HCE. Mr. Holtz has extensive experience providing QA/QC oversight on HCE projects for several area utilities. He has provided outstanding client service for Seacoast Utility Authority in Palm Beach Gardens, South Martin Regional Utility in Hobe Sound, Martin County Utilities, the City of West Palm Beach and the East Central Regional Water Reclamation Facility Board and many others. Dave has provided trusted professional engineering consulting to these local utilities and helped them implement dozens of facility and infrastructure improvement projects. *Education: BS Environmental Engineering, University of Florida, 1986, ME, Environmental Engineer, UF, 1987*

- **Stephen R. Fowler, PE**: Stephen Fowler joined Holtz Consulting Engineers, Inc. in September 2013. Mr. Fowler has over 17 years of experience in the design, permitting, and construction of water, wastewater and reclaimed water projects and received his general contractor's license in July 2016. He has been involved in projects that include water and wastewater treatment, pipelines, pump stations, production and injection wells, and reclaimed water production. Mr. Fowler also has experience in estimating and project management for underground utility general contractors. *Education: BS Environmental Engineering, University of Florida, 2003*

- **Larry Lardieri, PE**: Larry joined Holtz Consulting Engineers, Inc. in 2020. Mr. Lardieri has over 46 years of experience in the design, permitting and construction administration of water, wastewater, and reclaimed water projects. Larry brings to the team a wealth of technical knowledge in all aspects of water and wastewater and civil engineering projects and will help ensure that the project deliverables are not only technically correct but also consistent with the project's objectives. Larry will review all project deliverables for clarity, accuracy, completeness, and complete scope compliance. *Education: BS Civil Engineering and Construction, Temple University, 1974*

- **Matthew Paymer, PE:** Matthew Paymer joined HCE in 2015 after graduating from the University of Florida, and has been an integral part of the team ever since. Matthew has worked on a variety of water and wastewater design projects, including a reclaimed concentrate blending station. Matt has conducted extensive hydraulic modeling and analysis for other local utility's water and reclaimed water distribution systems and wastewater collection/transmission systems. *Education: BS Environmental Engineering, University of Florida, 2015*



The City of Port St. Lucie will benefit from the quality and dedication of HCE staff

- **Kaitlin Wood, EI:** Kaitlin Wood joined HCE in 2016 after receiving her Master's degree from the University of Florida. She has been the project engineer on projects ranging from reclaimed water main design and installation to rehabilitation of WWTP headworks. In addition to engineering design, Kaitlin has helped renew a variety of permits including those for wastewater treatment plants, and consumptive use permits. *Education: BS Environmental Engineering, University of Florida, 2015, ME Environmental Engineering, University of Florida, 2016.*

- **Harrison Barron, EI:** Harrison Barron joined HCE in October 2016 after graduating from the University of Florida. Harrison has previous experience working on well design and well permitting. Since joining HCE, he has provided support to several well rehabilitation projects, mechanical integrity testing for deep injection wells, and a variety of other projects involving water and wastewater mains and pumping stations. *Education: BS Environmental Engineering, University of Florida, 2015*

- **Linwood Lee**: Linwood Lee joined HCE in January 2016 and serves as the firm's primary construction manager and inspector. With over 25 years of experience in the construction industry, he has successfully managed over $50 million of water and wastewater projects. Mr. Lee is a valuable asset to the HCE team who helps to facilitate communication by acting as a liaison between the client, engineer, and contractor.

Proposed Subconsultants

HCE has assembled a team of experienced local professionals to help provide comprehensive engineering services to the City of Port St. Lucie for this project. We have good working relationships and extensive prior experience with many local specialty firms that are widely regarded as experts in their field in Southeast Florida. A brief overview of the firms we have included on our team is included below. We will gladly retain the services of other specialists as necessary to best serve Port St. Lucie.

Betsy Lindsay, Inc. is a licensed Surveying and Mapping Firm that is a Certified Minority/Woman Business Enterprise, based in Palm Beach County and Martin County, Florida. The firm has been deeply committed to supplying quality surveying services since its conception in January 1998. Betsy Lindsay Inc. can perform Boundary, Topographic, Quantity, Route, Bathymetric, R/W, Control Survey and various types of Specific Purpose Surveys, as well as preparation of sketch and legal descriptions for assistance in easement acquisition.

Andersen Andre Consulting Engineers is a professional geotechnical engineering and construction materials testing firm with a wealth of local knowledge. The founders, Peter Andersen, PE and David Andre, PE have between them more than 40 years of experience providing service in Florida and the Caribbean. AACE's soil, aggregate, and concrete testing laboratory is routinely inspected and certified by both the Construction Materials Engineering Council and FDOT. AACE has worked successfully with HCE on several projects for other local utilities and the two firms have an excellent working relationship.

Underdog Utility Detection, LLC

Underdog Utility Detection, LLC. Underdog is an underground utility locating, consulting and coordination firm established as a Florida corporation in February 2018. Since its inception, Underdog Utility Detection, LLC has been involved in providing Subsurface Utility Engineering services (SUE). The SUE process conforms to the American Society of Civil Engineers (ASCE) Standard CI/ASCE 38-02 for the collection and depiction of existing subsurface utility data. SUE is an engineering process utilizing state-of-the-art technology to accurately identify, characterize and map underground utilities during the design phase of a project.

Our organizational structure is provided on the following page. Resumes of key personnel are included in our completed SF330 forms, provided under File #3 of this submittal.

Client Service Manager: Christine Miranda, PE ●
Project Manager: Curtis Robinson, PE ●

Senior Engineers
David Holtz, PE, BCEE ●
Steve Fowler, PE ●
Larry Lardieri, PE ●

Grant Writing and Funding Analysis
Andrea Holtz, PE ●

Project Engineers
Matthew Paymer, PE ●
Kaitlin Wood, EI ●
Harrison Barron, EI ●

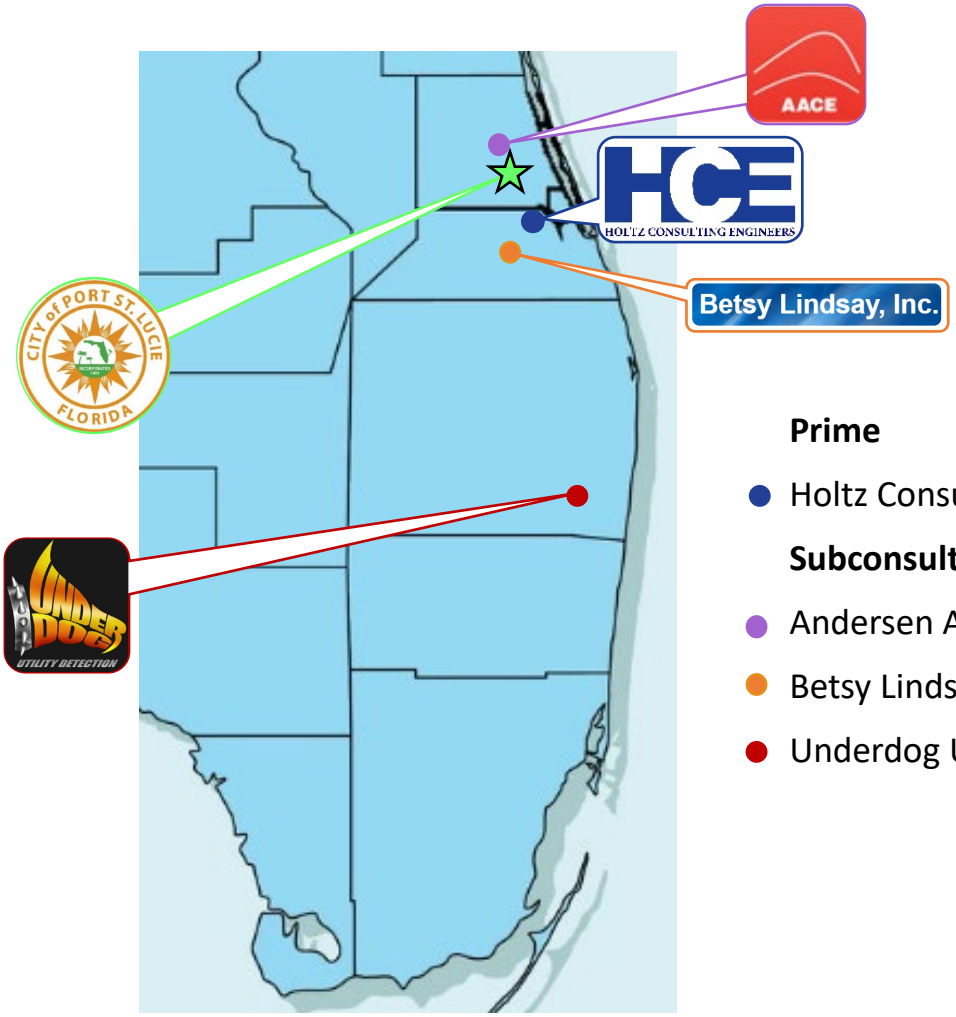
Designer/Drafters
Russell Ryan ●
Felix Granados ●

Construction Inspection
Linwood Lee ●
Ray Hernandez ●

Survey
Betsy Lindsay ●

Geotechnical Engineering
Peter Andersen ●

Underground Utility Locates
Justin Ryan ●



Prime
● Holtz Consulting Engineers

Subconsultants
● Andersen Andre Consulting Engineers
● Betsy Lindsay, Inc.
● Underdog Utility Detection LLC

FIRM'S RESPONSE AND APPROACH TO THE PROJECT

This section will summarize HCE's approach to assisting the City with the Glades-Tradition Reuse Water Main project. Our approach for completing the project in the most cost-effective, responsive and timely manner is outlined herein. Specific activities proposed to ensure that the project is implemented in conformance with the high-quality standards that City expects and deserves are also discussed.

HCE will jump into this project with both feet and will always put the City's interests first

HCE staff has significant experience in wastewater and reclaimed water utility engineering, including the evaluation and design of wastewater treatment and reclaimed water facilities, wastewater collection and reclaimed water distribution systems, hydraulic modeling, master planning, asset management, permitting and regulatory relations, and grant writing and administration. We also have significant experience in providing utility improvement project design, permitting and construction management. Our knowledge and experience allow for greater "out of the box" thinking and allows us to provide solutions that maximize the return on capital investment. We also have extensive experience with grant identification, writing, and administration for compliance. HCE's approach to implementing this important infrastructure project in the timeliest manner, with an emphasis on quality and cost control, is summarized in this section.

The HCE team's goal is to maximize knowledge of existing conditions to minimize potential change orders during construction

Preliminary Design and Alternatives Analysis

HCE will assist the City with preliminary design and evaluation of alternative solutions for project or infrastructure improvement needs identified by staff. HCE will evaluate alternatives by conducting hydraulic models or developing conceptual designs for alternative improvement methods and will prepare budget-level cost estimates for the alternatives. At all times during this process, HCE will reach out to the City staff for input as to preferences and impacts to the utility that can best be identified by those managing, operating and maintaining the utility system. The potential for grants or public-private partnerships will also be evaluated early on, and specific grant requirements will be factored into the analysis.

Final Design and Permitting

After the project is authorized by the City, HCE will start work immediately. Any required surveying, easement acquisition, and /or geotechnical investigation will commence as soon as existing utilities can be located and flagged. We also will perform targeted underground locating prior to design to minimize unforeseen below grade conditions to the greatest extent possible. The engineering evaluations required to initiate design will be conducted concurrently with the site investigation activities and preparation of design drawings and specifications will begin. HCE will prepare detailed drawings and specifications depicting existing and proposed infrastructure and providing all necessary instructions to the contractor and all the City and grant program requirements. Detailed specifications will be prepared to supplement the design drawings, with detailed description of specifications for all materials, equipment and construction and testing requirements, as well as bidding and contract requirements.

Design documents will typically be prepared at the 30-, 60-, and 90-percent completion levels for review by the City and benefitted parties. HCE will also prepare updated cost estimates at the 30- and 90-percent completion level based on the design documents, manufacturer's proposals, and unit prices for recently-bid projects. Value Engineering and constructability reviews will be conducted during the design phase as described later in this section to ensure that the most optimal design is prepared to ensure ease of construction and limit project costs. HCE will review the documents and cost estimates with the City and, if necessary, will revise the design and bidding documents as required to meet budget constraints. HCE will incorporate all comments received after each review.

HCE will prepare permit applications and supporting documents to apply for all permits required for a project and for any grants or low-interest funding assistance that may be available. HCE will hold pre-submittal meetings with regulatory and grant agencies prior to submitting the required applications and we will communicate regularly with those agencies during the permit or grant review process and will promptly answer all requests for additional information received. After the draft permit or grant agreement is received, HCE will thoroughly review the documents and provide review comments to the City and agencies prior to finalization of the permit or grant agreement.

Procurement Services

After the design documents are finalized and all required permits are obtained, HCE will assist the City with procurement of contractors and equipment. HCE will prepare the legal advertisement and will assist with distribution of bidding documents to interested contractors, suppliers and plan rooms as required. HCE will also notify quality local contractors and inform

them that the project is out to bid. HCE will preside over pre-bid meetings to receive and answer questions from contractors and tour the project site. Answers to questions from contractors and any modification or clarifications required to the bidding documents will be provided in written addenda that will become part of the contract documents. Before opening the bids, HCE will prepare the engineer's opinion of the probable cost of construction.

HCE will work closely with potential contractors to ensure the City receives fair and competitive bids

After bids are received, HCE will review all bids for responsiveness, accuracy and compliance with the bidding requirements, and prepare a bid tabulation. We will contact references for the three low bidders, review financial statements and check with the State to ensure that the contractor and bonding company are in good standing and the bidder is considered to be responsible and capable of successfully completing the project work. We will then prepare a recommendation of award of the construction contract to the lowest responsive, responsible bidder.

After the contract is awarded, HCE will prepare a Notice of Award for signature by the City and will transmit it and the required sets of completed contract documents to the contractor. After the contracts are executed and returned by the contractor, we will check the documents, bonds and insurance certificate and provide them to the City for execution. Copies of signed-and-sealed drawings will be provided to the contractor for their use in obtaining building permits and any other permits required for work in right-of-ways. A preconstruction conference will be held with the contractor to discuss project coordination issues and the Notice to Proceed will be issued.

HCE will ensure that utility improvement projects are completed on time and within budget

Construction Services

During construction, HCE will administer the construction contract to ensure compliance with the design intent, the permits, and the contract documents. HCE will review all submittals, including the project schedule, schedule of values, shop drawings, maintenance-of-traffic plans, horizontal directional drill pilot bore logs, trench safety, and other submittals defined in the documents. HCE will make periodic site visits to ensure that construction is conducted in conformance with the contract documents and to monitor the status of construction. HCE will respond to all requests for information from the contractor and will help resolve any conflicts or issues during construction. We will hold

periodic progress meetings with the City and the contractor and will review monthly pay requests and schedule updates. We will make recommendation of payment of the amount earned to date less retainage. Any changes to the contract documents that affect contract time or price will be made via change order negotiated with the contractor and approved by the City.

HCE has extensive experience with utility improvement projects constructed in crowded right-of-ways

HCE will provide construction inspection services to the extent necessary to certify proper completion of the project to FDEP and any other permitting or granting agencies. Site visits will be made at key stages of construction by HCE staff to observe construction activities and confirm compliance with the contract documents. HCE will require and review testing during construction, including compaction density and pressure tests. We will review construction as-built drawings and mark-ups prepared by the contractor to ensure that they are up to date and accurately depict any changes made in the field.

After construction is substantially complete, HCE will conduct a comprehensive inspection and punch list of remaining work to be completed. HCE will perform follow-up inspections to ensure that all punch list items are completed to the satisfaction of the City and property owners and will coordinate the completion of all project close-out documents. HCE will certify completion of construction and submittal of signed-and-sealed record drawings to FDEP.

During the construction and start- up phase, HCE will communicate regularly with all stakeholders, including the City, contractors, regulatory and grant/loan agencies and property owners. We will attend meetings as required to ensure that all affected parties are aware of project status and their concerns are addressed. One year after construction is completed; HCE will conduct a warranty inspection and will coordinate the resolution of any warranty issues with the contractor and manufacturers of equipment.

Quality Assurance/Quality Control

HCE understands the City of Port St. Lucie's expectation of the quality of the work to be provided by their engineering consultant. HCE has an internal quality assurance program designed to minimize construction change orders and to ensure that the design documents are constructible once they are awarded for

HCE's Control & Quality Assurance Program helps minimize construction change orders

construction. These internal quality assurance reviews result in a cost-effective project by reducing change orders which add to the overall cost of the project. HCE will also conduct informal internal value engineering reviews during the preliminary design and alternatives evaluation phase, as well as at the 30-percent, 60-percent and 90-percent design stages. The intent of these reviews will be to ensure that the most cost-effective design approach is occurring throughout the design process and that the design documents are prepared so the construction costs meet the project budget.

Value engineering is important during the development of the drawings as well as while writing the specifications. Project cost estimates will be provided as part of the preliminary design report/30% design and at the 90-percent design stage. If the project costs appear excessive at any stage of the project, HCE will conduct further value engineering in an attempt to further reduce the costs.

For a pipeline project, for example, value engineering and constructability reviews will include, but not be limited to, the following:

- Conceptual Design and Cost Estimating During Evaluation
- Pipe Route
  - Ensure selected piping routes are the most cost-effective and with the least impact to the community and residents
  - Evaluate utilization/conversion of existing, unused piping
  - Minimize pavement/sidewalk restoration
  - Minimize permitting agency costs by route selection
  - Evaluate crossing over or under existing utilities
- Pipe Size
  - Conduct hydraulic modeling to optimize pipe size
- Piping Materials and Installation Method
  - Polyvinyl Chloride (PVC)
  - Fusible Polyvinyl Chloride (FPVC)
  - High density polyethylene pipe (HDPE)
  - Ductile iron pipe (DIP)
- Pipe Installation Method
  - Open cut
  - Horizontal Directional Drilling

HCE will assist the City of Port St. Lucie in continuing to be responsible with rate-payer's funds

Quality assurance is also critical during construction. HCE has extensive experience with construction oversight on water and wastewater utility infrastructure projects and has a very good understanding of contractor safety requirements, environmental controls, pipe installations, pipe jointing materials and techniques, excavation and backfill requirements, trenchless installations such as horizontal directional drilling, leak testing and all other aspects of pipeline construction. We have also managed numerous highly-successful water and wastewater plant improvement projects, including complex multi-discipline projects, while monitoring plant operations. The team's experience, knowledge and attention to detail results in earning respect from contractors, who are then more likely to closely adhere to the Contract Documents. HCE will at all times ensure the facilities are constructed in accordance with the Contract Documents and to the quality that the City of Port St. Lucie expect.

PROPOSED SCHEDULE

HCE's staff understands the scope of the project for the extension of City's reclaimed water distribution system with the Glades-Tradition Reuse Water Main project. This proposed schedule included on the following page highlights the tasks necessary for preliminary design, easement preparation, and the design, permitting, bidding, and construction of the Glades-Tradition Reuse Water Main project.

VALUE ADDED SERVICES

HCE is a fully integrated design-build firm, able to provide turnkey solutions to infrastructure challenges. The water/wastewater sector has unique features that are central to the consideration of best practices in the procurement, contracting and execution of any design-build project, and HCE is familiar in these areas. We are both licensed engineers and contractors experienced in traditional fixed price design-build as well as progressive design-build. Small projects can be well-suited for the design-build project delivery method, however HCE is also capable of larger design-build projects with our team of specialty subcontractors. Our understanding of construction methods, permitting, scheduling, and budgeting allows us to design projects, while reducing cost and schedules.

HCE is a proud member of the Design-Build Institute of America

HCE also offers a variety of consulting services related to utility sustainability. Renewing and replacing infrastructure is an ongoing task nationwide. Asset management can help the City of Port St. Lucie maximize the value of its capital as well as its operations and maintenance dollars. HCE can assist the City with obtaining critical information on capital assets and timing of investments. Some key elements we can assist the City with are the following:

Preliminary Schedule for the Glades-Tradition Reuse Water Main

TASK	Timeframe/Duration (Months)																													
	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23
Engineering																														
Design Kick-Off																														
30% Design (Plans and Specifications)																														
60% Design (Plans and Specifications)																														
90% Design (Plans and Specifications)																														
100% Design (Plans and Specifications)																														
Bidding and Contract Award																														
Construction																														
Installation of Reuse Main (Construction Management)																														

Engineering

Construction

- ***Field Collection of Data:***
  HCE engineers understand that data collection is a daunting task for most utilities. Our staff have the training and experience to help collect the data necessary to implement or improve your utility's asset management plan.
- ***Plan Development:***
  HCE can help your utility develop Key Performance Indicators, Capital Improvement Plans, and Asset Management plans in order to improve utility sustainability and set objectives for the future.
- ***Workshops:***
  HCE believes that hosting workshops is a key part of plan development. We will work with you to hold a series of workshops including staff from various parts of your utility. By working as a team to define priorities, goals, and performance criteria, we can create a comprehensive plan that can be used for years to come.
- ***Tool Development:***
  HCE has previously created tools in Microsoft Access and Microsoft Excel to help utilities capture and manage asset data quickly and easily. If your utility has a need for these types of tools, we would be happy to develop one that meets your specific needs. HCE is currently working on an innovative method to tie cost estimating to our lift station prioritization model to streamline the preparation of customized estimates for capital improvement program forecasting, budgeting, and planning.

FIRM'S CURRENT CONTRACTS FOR LIKE PROJECTS

HCE's wastewater and reclaimed water experience will benefit City of Port St. Lucie. We understand our role and responsibilities for this project and have provided these same types of services for similar utilities. Please refer to a sample of our representative projects provided in our completed SF330 form contained in File #3.

FIRM'S CURRENT CONTRACTS

HCE's general utility consulting experience on numerous water, wastewater, and reclaimed water projects will benefit the City of Port St. Lucie for the Glades-Tradition Reuse Water Main project. A list of our current contracts is provided on the following pages.

City of Port St. Lucie

Water, wastewater, and reclaimed systems general engineering consultant for the City

Martin County Utilities

- Water, wastewater, and reclaimed systems general engineering consultant for the County

Palm Beach County Water Utilities Department

- Water and wastewater distribution and collection engineering

City of Riviera Beach

- General Utility Engineering including wastewater treatment and construction inspection

Village of Palm Springs

- General Utility Engineering for the Village's water treatment and distribution & collection system

City of Stuart

- General civil engineering consulting including the water and wastewater systems

Seacoast Utility Authority

- Water, wastewater, and reclaimed water general engineering for regional utility serving Palm Beach Gardens, Juno Beach, North Palm Beach, Lake Park, and portions of Palm Beach County

City of Lake Worth

- General civil engineering consulting for the City's storm, water, and wastewater systems

South Martin Regional Utility

- General engineering consulting including water, wastewater, and reclaimed water serving the community of Hobe Sound and the Town of Jupiter Island

East Central Regional Water Reclamation Facility Board

- General engineering consultant for a large regional wastewater treatment plant and major reclaimed water producer with a Board consisting of four municipalities (including the city of Lake Worth) and Palm Beach County

Fort Pierce Utilities Authority

- Water, wastewater, and reclaimed systems general engineering consultant serving the Fort Pierce Area

Loxahatchee River District

- Wastewater collection and reclaimed water systems general engineering consultant for the Jupiter and Tequesta area

City of West Palm Beach Grants Consultant Program

- Grant writing and administration for Public Utilities, Roadway, Transportation, Police Department, Stormwater, Parks and Recreation, and the Office of Sustainability

City of Boca Raton ISIP Infrastructure Improvements Program

- City-wide water and sewer replacement and extension projects.

Martin County Utilities Western Extension Project

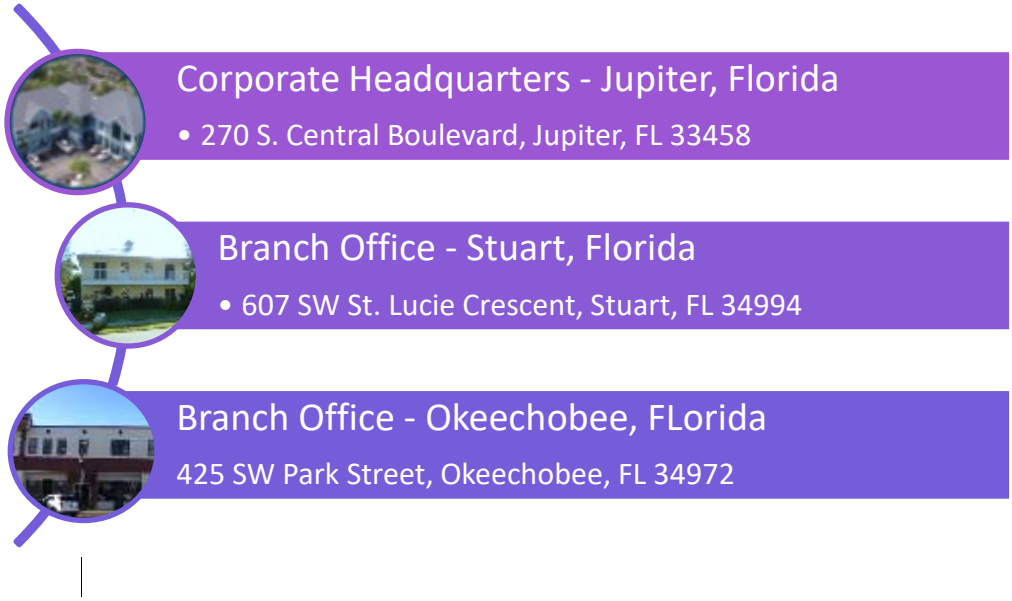
- Water and force main project to serve the western service area for Martin County.

Florida Power & Light

- Florida City Gas, Turkey Point, and Poseidon projects

FIRM'S ADDRESS OF LOCAL AND NATIONAL OFFICE

HCE's corporate headquarters is located Palm Beach County, in Jupiter with local offices in Stuart and Okeechobee. The work performed on this Contract will be primarily from our Stuart office and supported by our Jupiter and Okeechobee office.



PRIOR LITIGATION, ARBITRATION, AND PROFESSIONAL CLAIMS

HCE has not been involved in any litigation or arbitration, nor are there any professional claims that have been filed arising out of HCE's performance.

OTHER MATERIAL

The following pages provides some of HCE's reference letters. We encourage you to contact our references to hear more about HCE's performance on recent water and wastewater utility projects.

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458
Telephone (561) 747-5700 •Fax (561) 747 9929 • www.loxahatcheeriver.org

D. Albrey Arrington, Ph.D., Executive Director
March 23, 2017

Subject: Letter of Recommendation: Holtz Consulting Engineers, Inc.

To Whom It May Concern:

Holtz Consulting Engineers, Inc. (HCE) has served as one of the general engineering consultants for the Loxahatchee River Environmental Control District (LRD) since 2015 and has performed numerous successful engineering tasks from design and permitting to construction administration and inspection.

Examples of projects HCE has worked on under this contract include the following:

- Turtle Creek Neighborhood Septic-to-Sewer Conversion including:
  - Gravity
  - Low Pressure
- Maplewood Drive Force Main Extension
- Jupiter Plantation Force Main Replacement
- Rolling Green Low Pressure Force Main Installation

In our experience working with HCE, we have found them to be responsive, efficient, cooperative, and considerate of each of our project's particular requirements. HCE has always been able to meet our engineering needs in a cost-effective manner, and we would fully recommend their services to any water/wastewater utility.

Sincerely,

Clinton R. Yerkes
Deputy Executive Director

OUNTY
COMMISSIONERS

VASTE

John E. Polley
Director
Phone (772) 221-1442
Fax (772) 221-1447

96-9000

eers, Inc.
One

Subject: Letter of Recommendation for Holtz Consulting Engineers, Inc.

TARYN KRYZDA, CPM
County Administrator

MICHAEL D. DURHAM
County Attorney

To Whom It May Concern:

Holtz Consulting Engineers, Inc. (HCE) has served as one of the general engineering consultants for Martin County Utilities (MCU) since 2011 and has performed numerous engineering tasks from design and permitting to construction administration and inspection. They have been proactive in addressing project needs and performing assigned tasks in a timely manner, have exhibited work that is thorough and appropriate for the projects, and provided the required level of attention to keep projects moving forward to a successful completion. Engineering projects by HCE that have been successfully completed (or are working towards completion) within budget and on time include the following:

- North Water Treatment Plant Degasifier Cleaning System
- North Wastewater Treatment Plant RAS/WAS Pump Station
- Tropical Farms Reclaimed Water Storage and Pumping Improvements
- Wastewater and Reclaimed Water Master Plan
- North Wastewater Treatment Plant Dual-Zone Monitor Well
- Lift Station 548 Improvements
- Numerous permitting activities including MIT testing, operating permit renewals, reclaimed water operating protocol and annual TSS/NTU Correlations

SOUTH MARTIN REGIONAL UTILITY (SMRU)

9000 ATHENA STREET • P.O. BOX 395 • HOBE SOUND, FLORIDA 33475-0395

(772) 546-2531 • FAX (772) 546-3077

March 31, 2017

Subject: Holtz Consulting Engineers, Inc.

To Whom It May Concern:

Holtz Consulting Engineers, Inc. (HCE) has served as the general engineering consultant for South Martin Regional Utility (SMRU) for many years. In this capacity, HCE has assisted SMRU with numerous evaluations of our utility and projects to improve our wastewater treatment plant and utility infrastructure.

HCE helped SMRU successfully implement many utility improvement projects over the years, including the following:

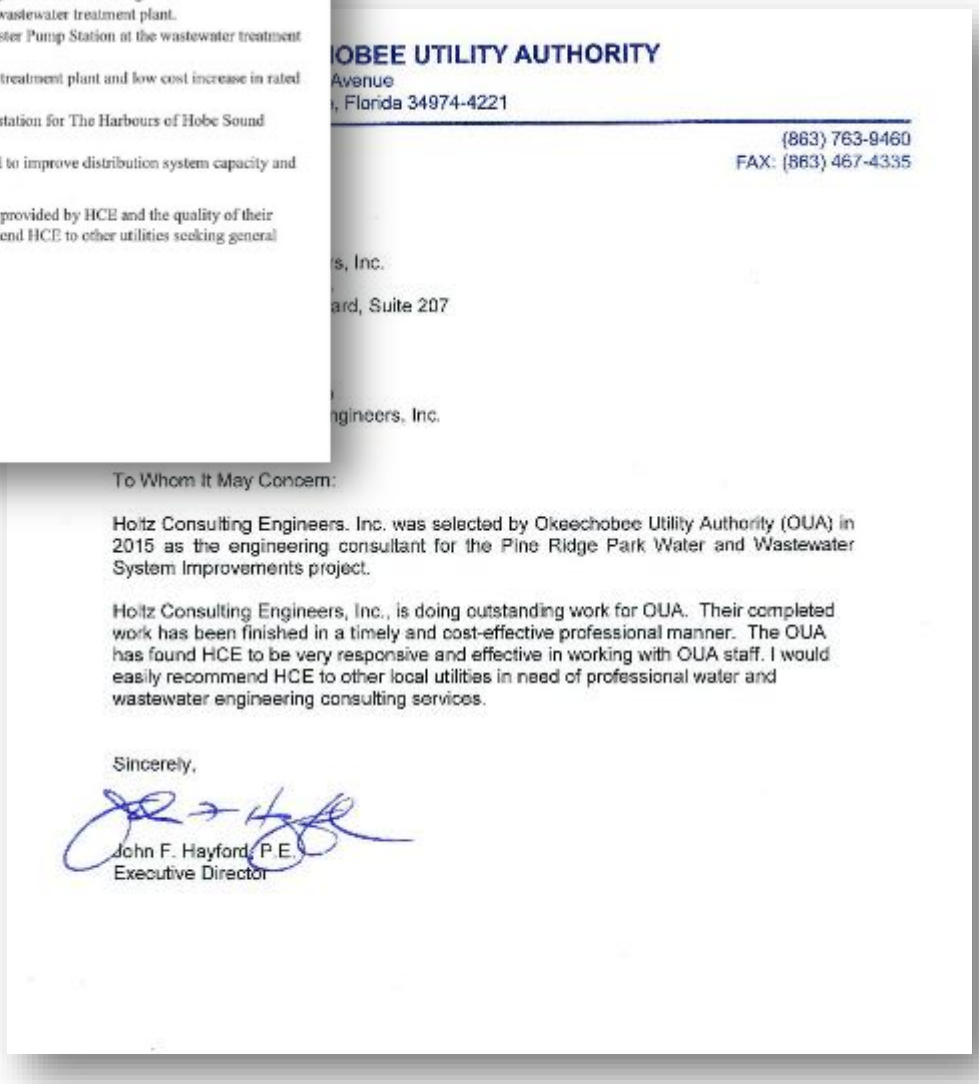
- Installation of new disc filters and chlorine contact chamber at the wastewater treatment plant.
- Evaluation of capital improvements required to provide reclaimed water to Jupiter Island, including hydraulic modeling, preliminary design and cost estimating.
- Renewal of the FDEP operating permit for our wastewater treatment plant.
- Evaluation and preliminary design of a new Master Pump Station at the wastewater treatment plant site.
- Miscellaneous improvements to the wastewater treatment plant and low cost increase in rated capacity of the plant from 1.2 to 1.4 mgd.
- Design and permitting of a new wastewater lift station for The Harbours of Hobe Sound neighborhood.
- Interconnection of water mains on Jupiter Island to improve distribution system capacity and water quality.

We have been very pleased with the responsive service provided by HCE and the quality of their engineering evaluations and design. We would recommend HCE to other utilities seeking general engineering consulting and engineering services.

Sincerely,

SOUTH MARTIN REGIONAL UTILITY

Mario E. Lorca, P.E.
Utility Director



OBEE UTILITY AUTHORITY
Avenue
, Florida 34974-4221

(863) 763-9460
FAX: (863) 467-4335

s, Inc.

ard, Suite 207

ngineers, Inc.

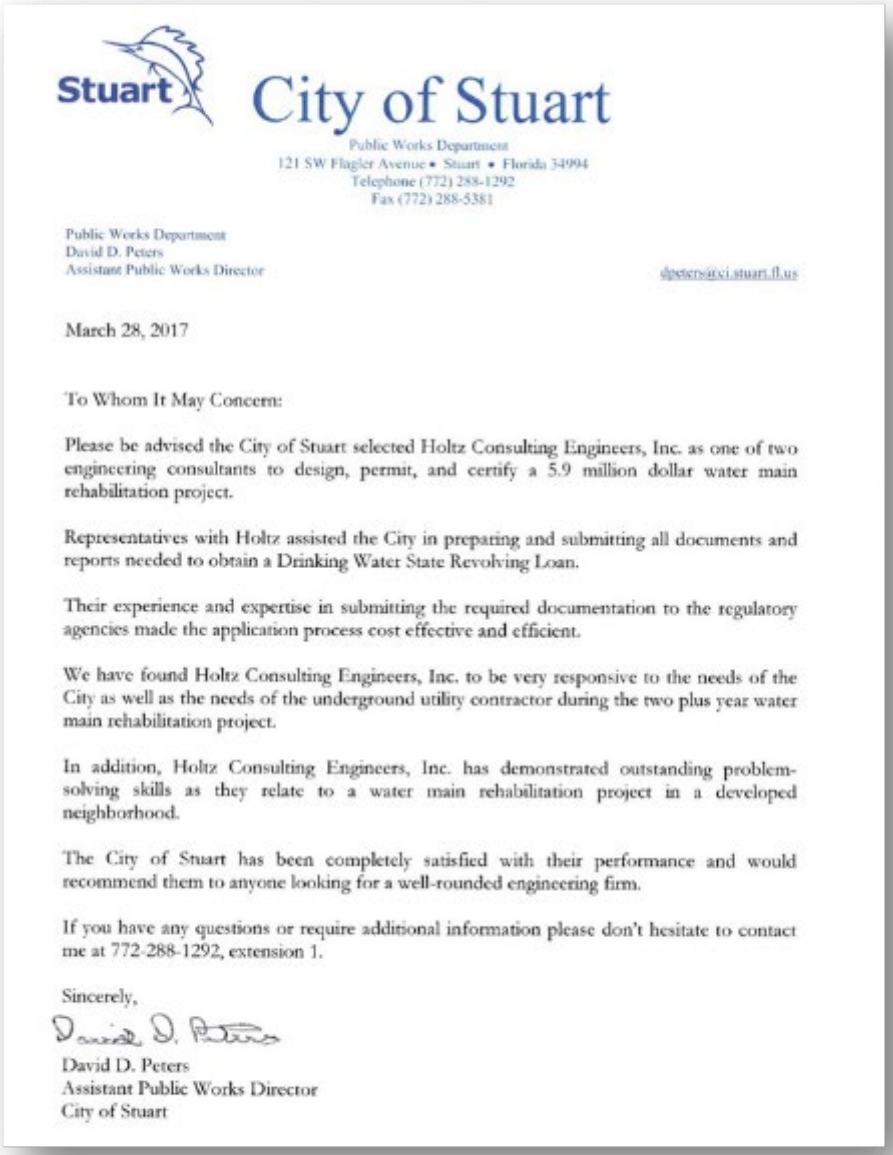
To Whom It May Concern:

Holtz Consulting Engineers, Inc. was selected by Okeechobee Utility Authority (OUA) in 2015 as the engineering consultant for the Pine Ridge Park Water and Wastewater System Improvements project.

Holtz Consulting Engineers, Inc., is doing outstanding work for OUA. Their completed work has been finished in a timely and cost-effective professional manner. The OUA has found HCE to be very responsive and effective in working with OUA staff. I would easily recommend HCE to other local utilities in need of professional water and wastewater engineering consulting services.

Sincerely,

John F. Hayford, P.E.
Executive Director



Stuart

City of Stuart

Public Works Department
121 SW Flagler Avenue • Stuart • Florida 34994
Telephone (772) 288-1292
Fax (772) 288-5381

Public Works Department
David D. Peters
Assistant Public Works Director
dpeters@ci.stuart.fl.us

March 28, 2017

To Whom It May Concern:

Please be advised the City of Stuart selected Holtz Consulting Engineers, Inc. as one of two engineering consultants to design, permit, and certify a 5.9 million dollar water main rehabilitation project.

Representatives with Holtz assisted the City in preparing and submitting all documents and reports needed to obtain a Drinking Water State Revolving Loan.

Their experience and expertise in submitting the required documentation to the regulatory agencies made the application process cost effective and efficient.

We have found Holtz Consulting Engineers, Inc. to be very responsive to the needs of the City as well as the needs of the underground utility contractor during the two plus year water main rehabilitation project.

In addition, Holtz Consulting Engineers, Inc. has demonstrated outstanding problem-solving skills as they relate to a water main rehabilitation project in a developed neighborhood.

The City of Stuart has been completely satisfied with their performance and would recommend them to anyone looking for a well-rounded engineering firm.

If you have any questions or require additional information please don't hesitate to contact me at 772-288-1292, extension 1.

Sincerely,

David D. Peters
Assistant Public Works Director
City of Stuart

COMPLETED REFERENCES

Please find after the Consultant's Questionnaire the five completed references requested by the City.

CONSULTANT'S QUESTIONNAIRE
RFP #20200081
Design Services for the Glades-Tradition Reuse Water Main Project

It is understood and agreed that the following information is to be used by the City of Port St. Lucie to determine the qualifications of Proposers to perform the work required. The Consultant waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Consultant.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Consultant, surety, bank material or equipment manufacturer, or distributor, or any person, firm, or corporation to furnish the City of Port St. Lucie any pertinent information requested by the City deemed necessary to vary the information on this questionnaire.

1. ORGANIZATIONAL PROFILE- COMPANY NAME: Holtz Consulting Engineers, Inc.

PHYSICAL ADDRESS: 607 SW St. Lucie Crescent, Suite 103, Stuart, FL 34994

MAILING ADDRESS: 607 SW St. Lucie Crescent, Suite 103, Stuart, FL 34994

TELEPHONE NUMBER: 772-919-4905 FAX NO. 772-919-4909

CONTACT PERSON Andrea Holtz, PE E-MAIL : Andrea.holtz@holtzconsulting.com

Is the firm incorporated? Yes--No If yes, in what state? Provide a list of officers for this entity. YES

2. INSURANCE CERTIFICATES LICENSE - Proposers are required, to submit a copy of their Insurance Certificate for the type and dollar amount of insurance they currently maintain. Proposers are required to submit all licenses and certifications required to perform this project.

3. COMPLETION OF FORM - An authorized representative of the firm offering this RFP must complete this form in its entirety. Terms entered herein shall not be subject to withdrawal or escalation by Proposer. The City reserves the right to hold proposals for a period not to exceed one hundred twenty (120) calendar days after the date of the proposal opening stated in the RFP before awarding the Contract. Contract award constitutes the date that City Council executes the motion to award the proposal.

4. CONTRACT - Proposer agrees to comply with all requirements stated in the specifications for this RFP.

5. ADDENDUM ACKNOWLEDGMENT - Proposer acknowledges that the following addenda have been received and are included in its proposal:

Addendum Number	Date Issued
N/A - Clarification	7/28/20

AGREEMENT - Consultant agrees to comply with all requirements stated in the specifications for this RFP.

CERTIFICATION:

This RFP-Proposal is submitted by: Name (print) Andrea Holtz, PE who is an officer of the above firm duly authorized to sign proposals and enter into contracts. I certify that this RFP-Proposal # 20200081 is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a proposal for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud.

The proposer understands that information contained in this Proposal Reply will be relied upon by City in awarding the proposed Contract and such information is warranted by the proposer to be true. The undersigned proposer agrees to furnish such additional information, prior to acceptance of any proposal relating to the qualifications of the proposer, as may be required by the City.

I certify that the information and responses provided on this Proposal Reply are true, accurate and complete. The City may contact any entity or reference listed in this Proposal Reply. Each entity or reference may make any information concerning the Consultant available to the City.

I agree to abide by all conditions of this RFP-Proposal.:

Signature _____ President
Title

If a corporation renders this RFP-Proposal, the corporate seal attested by the secretary shall be affixed below. Any agent signing this RFP-Proposal shall attach to this form evidence of legal authority.

Witnesses:

Christine Miranda
Print name

Kaitlin Wood
Print name

If Individual:

Signature

Print Name

If Partnership:

Print Name of Firm

By: _____
(General Partner)

If Corporation:

Holtz Consulting Engineers, Inc.
Print Name of Corporation

By: _____ (President)

Attest: _____ (Secretary)

CITY OF PORT ST LUCIE
121 SW Port St. Lucie Boulevard
Port St. Lucie, Florida, 34984
772-871-5223

REFERENCE CHECK FORM
Proposer Instructions: Fill out top portion only.
(Please print or type)

RFP Number: 20200081
Title: Design Services for the Glades-Tradition Reuse Water Main Project
Proposer/Respondent: Holtz Consulting Engineers, Inc.

Reference: Loxahatchee River District Fax #: 561-747-9929
Email: Kris.dean@lrecd.org Telephone #: 561-401-4024
Person to contact: Kris Dean, PE - Deputy Executive Direct/Director of Engineering

Reference Instructions: The above Proposer has given your name to the City of Port St. Lucie as a reference. Please complete the information below and send back to the proposer listed in the box above.

Describe the scope of work of the contract awarded by your firm/entity to this Consultant. What type of services were performed? General Utility Consulting Services including design, permitting, bidding, and construction management of wastewater and reclaimed water infrastructure. Projects include permitting, and transmission/collection pipelines and pump stations.

What is the size of your agency and what services does your agency provide?

Was the project completed on time and within the specified guidelines?

What problems were encountered (claims)?

How would you rate the Consultant on a scale of low (1) to high (10) for the following?

Professionalism	10	Final Product	10
Qualifications	10	Cooperation	10
Budget Control	10	Reliability	10

Would you contract with this Consultant again? (Yes []) No [] Maybe []
Comments:

Thank you.

Signature from Reference: _____

Note: The City "may not" be used as a reference if you are currently doing business with the City. Proposer(s) shall submit all completed references utilizing the Reference Check Form provided with their RFP packet by the submittal deadline. Note: Proposer(s) fills out the top box of the form and then sends the Reference Check Form to Proposer's reference to complete the evaluation section. The reference then sends the Reference Check Form back to the Proposer(s) once all evaluating is fully complete. Proposer(s) shall submit and include all fully filled out and completed Reference Check Forms with their RFP packet by or before the submittal deadline.

CITY OF PORT ST LUCIE
121 SW Port St. Lucie Boulevard
Port St. Lucie, Florida 34984
772-871-5223

REFERENCE CHECK FORM
Proposer Instructions: Fill out top portion only.
(Please print or type)

Reference Instructions: The above Proposer has given your name to the City of Port St. Lucie as a reference. Please complete the information below and send back to the proposer listed in the box above.

Describe the scope of work of the contract awarded by your firm/ entity to this Consultant. What type of services were performed?
Full-service engineering firm. Numerous water and wastewater project design and services.

What is the size of your agency and what services does your agency provide?
Full-service municipal services to 17,500 residents.

Was the project completed on time and within the specified guidelines?
Yes

What problems were encountered (claims)?
No

How would you rate the Consultant on a scale of low (1) to high (10) for the following?

Professionalism 10	Final Product 10
Qualifications 10	Cooperation 10+
Budget Control 10	Reliability 10

Would you contract with this Consultant again? Yes X No Maybe
Comments:

Thank you.

Signature from Reference: Denise D. Peters 8/12/20

Note: The City "may not" be used as a reference if you are currently doing business with the City. Proposer(s) shall submit all completed references utilizing the Reference Check Form provided with their RFP packet by the submittal deadline. Note: Proposer(s) fills out the top box of the form and then sends the Reference Check Form to Proposer's reference to complete the evaluation section. The reference then sends the Reference Check Form back to the Proposer(s) once all evaluating is fully complete. Proposer(s) shall submit and include all fully filled out and completed Reference Check Forms with their RFP packet by or before the submittal deadline.

CITY OF PORT ST LUCIE
121 SW Port St. Lucie Boulevard
Port St. Lucie, Florida, 34984
772-871-5223

REFERENCE CHECK FORM
Proposer Instructions: Fill out top portion only.
(Please print or type)

RFP Number: **20200081**
Title: **Design Services for the Glades-Tradition Reuse Water Main Project**
Proposer/Respondent: Holtz Consulting Engineers, Inc.

Reference: South Martin Regional Utility Fax #: 772-546-6378
Email: mshaner@tji.martin.fl.us Telephone #: 772-546-6259
Person to contact: Monica Shaner, PE - Utility Director

Reference Instructions: The above Proposer has given your name to the City of Port St. Lucie as a reference. Please complete the information below and send back to the proposer listed in the box above.

Describe the scope of work of the contract awarded by your firm/entity to this Consultant. What type of services were performed? General Utility Consulting Services including design, permitting, bidding, and construction management of water and wastewater infrastructure. Projects include permitting, treatment facilities, and transmission/collection pipelines and pump stations.

What is the size of your agency and what services does your agency provide?
9,000+ CUSTOMER WATER & WASTEWATER UTILITY

Was the project completed on time and within the specified guidelines?
Yes.

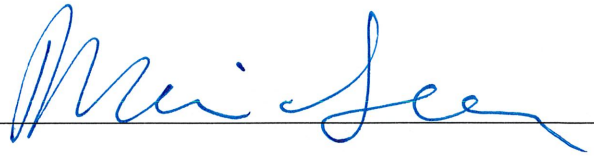
What problems were encountered (claims)?
N/A

How would you rate the Consultant on a scale of low (1) to high (10) for the following?

Professionalism	10	Final Product	10
Qualifications	10	Cooperation	10
Budget Control	9	Reliability	10

Would you contract with this Consultant again? Yes [X] No [] Maybe []
Comments:

Thank you.

Signature from Reference: 

Note: The City "may not" be used as a reference if you are currently doing business with the City. Proposer(s) shall submit all completed references utilizing the Reference Check Form provided with their RFP packet by the submittal deadline. Note: Proposer(s) fills out the top box of the form and then sends the Reference Check Form to Proposer's reference to complete the evaluation section. The reference then sends the Reference Check Form back to the Proposer(s) once all evaluating is fully complete. Proposer(s) shall submit and include all fully filled out and completed Reference Check Forms with their RFP packet by or before the submittal deadline.

CITY OF PORT ST LUCIE
121 SW Port St. Lucie Boulevard
Port St. Lucie, Florida, 34984
772-871-5223

REFERENCE CHECK FORM
Proposer Instructions: Fill out top portion only.
(Please print or type)

RFP Number: **20200081**
Title: **Design Services for the Glades-Tradition Reuse Water Main Project**
Proposer/Respondent: Holtz Consulting Engineers, Inc.

Reference: Martin County Utilities Fax #: 772-221-1447
Email: ~~samerson~~jcovey@martin.fl.us Telephone #: 772-223-7942
Person to contact: ~~Sam Amerson - Utilities Director~~
Jeremy Covey, Technical Services Administrator

Reference Instructions: The above Proposer has given your name to the City of Port St. Lucie as a reference. Please complete the information below and send back to the proposer listed in the box above.

Describe the scope of work of the contract awarded by your firm/entity to this Consultant. What type of services were performed? General Utility Consulting Services including design, permitting, bidding, and construction management of wastewater, and reclaimed water infrastructure. Projects include permitting, treatment facilities, and transmission/collection pipelines and pump stations.

What is the size of your agency and what services does your agency provide?
Martin County Utilities & Solid Waste Department is a government agency that provides water & waste water services.

Was the project completed on time and within the specified guidelines?
For work orders that were issued, yes.

What problems were encountered (claims)?
None.

How would you rate the Consultant on a scale of low (1) to high (10) for the following?

Professionalism	9	Final Product	8
Qualifications	8	Cooperation	9
Budget Control	10	Reliability	10

Would you contract with this Consultant again? Yes [X] No [] Maybe []
Comments:

Thank you.

Signature from Reference: _____

Note: The City "may not" be used as a reference if you are currently doing business with the City. Proposer(s) shall submit all completed references utilizing the Reference Check Form provided with their RFP packet by the submittal deadline. Note: Proposer(s) fills out the top box of the form and then sends the Reference Check Form to Proposer's reference to complete the evaluation section. The reference then sends the Reference Check Form back to the Proposer(s) once all evaluating is fully complete. Proposer(s) shall submit and include all fully filled out and completed Reference Check Forms with their RFP packet by or before the submittal deadline.

CITY OF PORT ST LUCIE
121 SW Port St. Lucie Boulevard
Port St. Lucie, Florida, 34984
772-871-5223

REFERENCE CHECK FORM
Proposer Instructions: Fill out top portion only.
(Please print or type)

RFP Number: **20200081**
Title: **Design Services for the Glades-Tradition Reuse Water Main Project**
Proposer/Respondent: Holtz Consulting Engineers, Inc.

Reference: Seacoast Utility Authority Fax #: 561-624-2839
Email: rbishop@sua.com Telephone #: 561-627-2900
Person to Contact: Rim Bishop - Executive Director

Reference Instructions: The above Proposer has given your name to the City of Port St. Lucie as a reference. Please complete the information below and send back to the proposer listed in the box above.

Describe the scope of work of the contract awarded by your firm/entity to this Consultant. What type of services were performed? General Utility Consulting Services including design, permitting, bidding, and construction management of water, wastewater, and reclaimed water infrastructure. Projects include permitting, treatment facilities, and transmission/collection pipelines and pump stations.

What is the size of your agency and what services does your agency provide?

Was the project completed on time and within the specified guidelines?

What problems were encountered (claims)?

How would you rate the Consultant on a scale of low (1) to high (10) for the following?

Professionalism	8	Final Product	9
Qualifications	8	Cooperation	10
Budget Control	8	Reliability	8

Would you contract with this Consultant again? Yes [X] No [] Maybe []
Comments:

Thank you.

Signature from Reference: RB

Note: The City "may not" be used as a reference if you are currently doing business with the City. Proposer(s) shall submit all completed references utilizing the Reference Check Form provided with their RFP packet by the submittal deadline. Note: Proposer(s) fills out the top box of the form and then sends the Reference Check Form to Proposer's reference to complete the evaluation section. The reference then sends the Reference Check Form back to the Proposer(s) once all evaluating is fully complete. Proposer(s) shall submit and include all fully filled out and completed Reference Check Forms with their RFP packet by or before the submittal deadline.

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

▶ Go to *www.irs.gov/FormW9* for instructions and the latest information.

Give Form to the requester. Do not send to the IRS.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
Holtz Consulting Engineers, Inc.

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☒ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.
270 S. Central Blvd., #207

Requester's name and address (optional)

6 City, state, and ZIP code
Jupiter, FL 33458

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN,* later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number
___ - ___ - ____

or

Employer identification number
01 - 0860983

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here | **Signature of U.S. person ▶** David Holtz | **Date ▶** 1-3-20

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9.*

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, *later.*

HOLTCON-04 DPALLERO

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 5/14/2020

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

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

PRODUCER	CONTACT NAME: Eileen Kivlighn
CAL Risk Management 23 Eganfuskee Street Suite 102 Jupiter, FL 33477	PHONE (A/C, No, Ext): (561) 868-6295 FAX (A/C, No): (561) 427-6730 E-MAIL ADDRESS: Ekivlighn@calllc.com

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
Holtz Consulting Engineers, Inc. 270 S. Central Boulevard Suite 207 Jupiter, FL 33458	INSURER A : Crum & Forster Specialty Ins	44520
	INSURER B : Travelers Casualty & Surety Company	
	INSURER C : Crum & Forster	21105
	INSURER D :	
	INSURER E :	
	INSURER F :	

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

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$ 2,000,000
	CLAIMS-MADE X OCCUR			EPK126836	5/15/2019	5/15/2021	DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
							MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 4,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 4,000,000
	OTHER:							$
A	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS			EPK126836	5/15/2019	5/15/2021	BODILY INJURY (Per accident)	$
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DED RETENTION $							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						X PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N (Mandatory in NH)	N / A		UB9K5640712047G	5/15/2020	5/15/2021	E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
C	Professional Liab			EPK126836	5/15/2019	5/15/2021	Agg $4M, Per Occur	2,000,000
C	Pollution Liability			EPK126836	5/15/2019	5/15/2021	Agg $4M, Per Occur	2,000,000

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

INFORMATIONAL PURPOSES

The certificate holder is included as an additional insured for ongoing and completed operations for general liability per forms EN0111 & EN0320 when required by written contract. General Liability is primary and non-contributory when required by written contract. Waiver of subrogation applies to general liability, and workers compensation when required by written contract. Cancellation per policy terms and conditions.

CERTIFICATE HOLDER

Holtz Consulting Engineers, Inc.
270 South Central Boulevard
Suite 207
Jupiter, FL 33458

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

Eileen Kivlighn

RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL ENGINEERS

THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

HOLTZ CONSULTING ENGINEERS. INC.

270 SOUTH CENTRAL BOULEVARD
SUITE 207
JUPITER FL 33458

LICENSE NUMBER: CA26960

EXPIRATION DATE: FEBRUARY 28, 2021

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

State of Florida

Woman & Minority Business Certification

Holtz Consulting Engineers, Inc.

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

09/25/2018 to 09/25/2020

Erin Rock, Secretary
Florida Department of Management Services

office of supplier DIVERSITY

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

TRUTH-IN-NEGOTIATION CERTIFICATE AND AFFIDAVIT

STATE OF FLORIDA §
COUNTY OF §

Before me, the undersigned authority, personally appeared affiant Andrea Holtz, PE, who being first duly sworn, deposes and says:

1. That the undersigned firm is furnishing this Truth in Negotiation Certificate pursuant to Section 287.055(5)(a) of the Florida Statutes for the undersigned firm to receive an agreement for professional services with the City of Port St. Lucie, St. Lucie County, Florida.
2. That the undersigned firm is a corporation which engages in furnishing Design Services and is entering into an agreement with the City of Port St. Lucie, St. Lucie County, Florida to provide these services for a project known as # 20200081, Design Services for the Glades-Tradition Reuse Water Main Project.

3. That the undersigned firm has furnished the City of Port St. Lucie, St. Lucie County, Florida a detailed analysis of the cost of the professional services required for the project.
4. That the wage rate information and other factual unit cost, which the undersigned firm furnished, were accurate, complete and current at the time the undersigned firm and the City of Port St. Lucie entered into the agreement for professional services on the project.
5. That the agreement which the undersigned firm and the City of Port St. Lucie entered into on this job contained a provision that the original agreement price and any additions thereto shall be adjusted to include any significant sums by which the City of Port St. Lucie determines the agreement price was increased due to inaccurate, incomplete or non-current wage rates or other factual unit cost and that all such agreement adjustments shall be made within one (1) year following the end of the agreement.

FURTHER AFFIANT SAYETH NAUGHT

Holtz Consulting Engineers, Inc.
Name of Firm

Andrea Holtz, PE
President

The foregoing instrument was acknowledged before me by Andrea Holtz who is personally known to me.

WITNESS my hand and official seal in the State of County last aforesaid this 12 the day of August, 2020.

(SEAL)

April Xaros
Signature

APRIL SUZANNE XAROS
Notary Public – State of Florida
Commission # GG 192051
My Comm. Expires Mar 21, 2022
Bonded through National Notary Assn.

April Xaros
Notary Name (typed or printed)

Title or Rank

CITY OF PORT ST. LUCIE, FLORIDA
RFP # 20200081
Design Services for the Glades-Tradition Reuse Water Main Project

STATE OF FLORIDA
E-VERIFY

Contract No: RFP#20200081

Financial Project No(s): _____

Project Description: Design Services for the Glades-Tradition Reuse Water Main Project

_____

Consultant acknowledges and agrees to the following:

Consultant:

1. Shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Consultant during the term of the contract; and

2. Shall expressly require any subconsultants performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subconsultant during the contract term.

Company/Firm: Holtz Consulting Engineers, Inc.

Authorized Signature: _____

Title: President

Date: August 13, 2020

DRUG-FREE WORKPLACE FORM
RFP # 20200081
Design Services for the Glades-Tradition Reuse Water Main Project

The undersigned Consultant in accordance with Florida Statute 287.087 hereby certifies that

Holtz Consulting Engineers, Inc. does:
(Name of Business)

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

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

3. Give each employee engaged in providing the commodities or contractual services that are under proposal 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 proposal, 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 Florida Statutes or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.

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

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

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

Proposer's Signature

August 13, 2020
Date

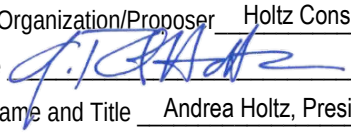
CONSULTANT CODE OF ETHICS
RFP # 20200081
Design Services for the Glades-Tradition Reuse Water Main Project

The City of Port St Lucie ("City), through its Procurement Management Department ("PMD") is committed to a procurement process that fosters fair and open competition, is conducted under the highest ethical standards and enjoys the complete confidence of the public. To achieve these purposes,

PMD requires each Consultant who seeks to do business with the City to subscribe to this Consultant Code of Ethics.

- A Consultant's proposal or proposal will be competitive, consistent and appropriate to the proposal documents.
- A Consultant will not discuss or consult with other Consultants intending to proposal on the same contract or similar City contract for limiting competition. A Consultant will not make any attempt to induce any individual or entity to submit or not submit a proposal or proposal.
- Consultant will not disclose the terms of its proposals or proposal, directly or indirectly, to any other competing Consultant prior to the proposal or proposal closing date.
- Consultant will completely perform any contract awarded to it at the contracted price pursuant to the terms set forth in the contract.
- Consultant will submit timely, accurate and appropriate invoices for goods and/or services performed under the contract.
- Consultant will not offer or give any gift, item or service of value, directly or indirectly, to a City employee, City official, employee family member or other Consultant contracted by the City.
- Consultant will not cause, influence or attempt to cause or influence, any City employee or City Official, which might tend to impair his/her objectivity or independence of judgment; or to use, or attempt to use, his/her official position to secure any unwarranted privileges or advantages for that Consultant or for any other person.
- Consultant will disclose to the City any direct or indirect personal interests a City employee or City official holds as it relates to a Consultant contracted by the City.
- Consultant must comply with all applicable laws, codes or regulations of the countries, states and localities in which they operate. This includes, but is not limited to, laws and regulations relating to environmental, occupational health and safety, and labor practices. In addition, Consultant must require their suppliers (including temporary labor agencies) to do the same. Consultants must conform their practices to any published standards for their industry. Compliance with laws, regulations and practices include, but are not limited to the following:
  - Obtaining and maintaining all required environmental permits. Further, Consultant will endeavor to minimize natural resource consumption through conservation, recycling and substitution methods.
  - Providing workers with a safe working environment, which includes identifying and evaluating workplace risks and establishing processes for which employee can report health and safety incidents, as well as providing adequate safety training.
  - Providing workers with an environment free of discrimination, harassment and abuse, which includes establishing a written antidiscrimination and anti-bullying/harassment policy, as well as clearly noticed policies pertaining to forced labor, child labor, wage and hours, and freedom of association.

Name of Organization/Proposer Holtz Consulting Engineers, Inc.

Signature 

Printed Name and Title Andrea Holtz, President

Date August 13, 2020

DISCLAIMER: This Code of Ethics is intended as a reference and procedural guide to Consultants. The information it contains should not be interpreted to supersede any law or regulation, nor does it supersede the applicable Consultant contract. In the case of any discrepancies between it and the law, regulation(s) and/or Consultant contract, the law, regulatory provision(s) and/or Consultant contract shall prevail.

CITY OF PORT ST. LUCIE, FLORIDA
RFP # 20200081
Design Services for the Glades-Tradition Reuse Water Main Project

CONSULTANT VERIFICATION FORM

THE FOLLOWING IS TO BE COMPLETED BY PRIME PROPOSER:

Name of Firm: Holtz Consulting Engineers, Inc.

Corporate Title: _____

Address: 270 South Central Boulevard, Suite 207

Jupiter, FL 33458
(Zip Code)

By: Andrea Holtz President
(Print name) (Print title)

_____
(Authorized Signature)

Telephone: (561) 575-2005

Fax: (561) 575-2009

State License # CA26960 (ATTACH COPY)

County License # Cert#45246 Sic#541330 (ATTACH COPY)

City License: (ATTACH PROOF OF REGISTRATION WITH THE CITY)

Type of License: _____

Unlimited _____ (yes/no)

If "NO", Limited to what trade? _____

MARTIN COUNTY BUSINESS TAX RECEIPT

ORIGINAL

Honorable Ruth Pietruszewski CFC, Tax Collector
3485 S.E. Willoughby Blvd., Stuart, FL 34994
(772) 288-5604

Account 2013-112-0771 Cert 45246
Phone (772)919-4905 Sic No 541330
Location 607 SW ST LUCIE CRESCENT 102- 103 STU

Prev Yr	$.00	Lic Fee	$26.25
	$.00	Penalty	$.00
	$.00	Coll-Fee	$.00
	$.00	Transfer	$.00

TOTAL $26.25

Has satisified requirements to engage in the business, profession
or occupation of ENGINEERING FIRM
at location listed for the period beginning on the
24 Day of JULY
AND ENDING SEPTEMBER 30 2020

HOLTZ, ANDREA P (QUALIFIER)
HOLTZ CONSULTING ENGINEERS, INC
CHRISTINE MIRANDA
607 SW ST LUCIE CRESCENT #103
STUART, FL 34994

91 2018 17027.0001 PAID

THIS FORM BECOMES A RECEIPT ONLY WHEN VALIDATED BY RECEIPTING MACHINE.

ANYONE DOING BUSINESS WITHOUT A VALID BUSINESS TAX RECEIPT IS SUBJECT TO A $250 FINE. IF NOT PAID BY SEPT. 30th, A DELINQUENT PENALTY OF 10% FOR THE MONTH OF OCTOBER, PLUS A 5% PENALTY FOR EACH MONTH THEREAFTER UP TO 25%, PLUS COLLECTION COSTS WILL APPLY.

NOTE: A PENALTY IS IMPOSED FOR FAILURE TO KEEP THIS BUSINESS TAX RECEIPT EXHIBITED CONSPICUOUSLY AT YOUR ESTABLISHMENT OR PLACE OF BUSINESS.

CITY OF STUART
LOCAL BUSINESS TAX RECEIPT
2019-2020

RECEIPT NO.	ACCOUNT NO.	CATEGORY NO.
10521	26933	120020

BUSINESS TYPE	ENGINEERING FIRM
OWNER AND LOCATION	HOLTZ, ANDREA 607 SW SAINT LUCIE CRES 102&103
ST/CTY LICENSE	26960/45246
DESCRIPT	

TAX YEAR BEGINS OCTOBER 1 AND ENDS SEPTEMBER 30.
PAYMENT OCTOBER 1 CONSTITUTES VIOLATION
OF CITY CODE OF ORDINANCES

This local business tax receipt does not permit the holder to operate in violation of any City law, ordinance, or regulation. Any changes in location or ownership must be approved by the City License Section, subject to zoning restrictions. This receipt does not constitute an endorsement, approval, or disapproval of the holder's skill or competence or of the compliance or non-compliance of the holder with other laws, regulations, or standards.

Local Business Taxing Questions 772-288-5319

FEE	PENALTY	TRANSFER	MISCELLANEOUS	PAID
100.00	0.00	0.00	0.00	100.00

BUSINESS NAME AND MAILING ADDRESS	HOLTZ CONSULTING ENGINEERS INC HOLTZ, ANDREA 607 SW ST LUCIE CRESCENT AVE #103 STUART FL 34994

DATE
08/16/2019

MARY KINDEL
CITY CLERK

KEEP THIS RECEIPT - NO TRANSFER WITHOUT ORIGINAL RECEIPT

NON-COLLUSION AFFIDAVIT
RFP # 20200081
Design Services for the Glades-Tradition Reuse Water Main Project

State of Florida }

County of Palm Beach }

Andrea Holtz, PE, being first duly sworn, disposes and says that:
(Name/s)

1. They are President (Title) of Holtz Consulting Engineers, Inc. (Name of Company) the Proposer that has submitted the attached PROPOSAL;

2. He is fully informed respecting the preparation and contents of the attached proposal and of all pertinent circumstances respecting such PROPOSAL;

3. Such Proposal is genuine and is not a collusive or sham Proposal;

4. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contract for which the attached proposal has been submitted or to refrain from proposing in connection with such Contract or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices in the attached Proposal or of any other Proposer, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Port St. Lucie or any person interested in the proposed Contract; and

5. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed) A. Holtz

(Title) President

STATE OF FLORIDA }
COUNTY OF ST. LUCIE} SS:

The foregoing instrument was acknowledged before me this *(Date)* 8-12-20

by: Andrea Holtz who is personally known to me or who has produced

_____ as identification and who did (did not) take an oath.

April Xaros
Notary (print & sign name) April Xaros

Commission No. GG192051

APRIL SUZANNE XAROS
Notary Public – State of Florida
Commission = GG 192051
My Comm. Expires Mar 21, 2022
Bonded through National Notary Assn.

CHECKLIST
RFP # 20200081
Design Services for the Glades-Tradition Reuse Water Main Project

This checklist is provided to assist Proposers in the preparation of their proposal response. Included in this checklist are important requirements that are the responsibility of each Proposer to submit with their response to make their proposal response fully compliant. This checklist is only a guideline -- it is the responsibility of each Proposer to read and comply with the Request for Proposals in its entirety.

X Upload the MANDATORY QUESTIONS AND MANDATORY SCORED QUESTIONS FORMS IN EXCEL FORMAT ONLY. Please submit them as two (2) separate excel files. (File #1 and File #2.)

X Uploaded in one file Form 330 as a PDF. (File # 3)

X Documents uploaded in one file and in the following order: the proposal response formatted as instructed in Section 7 of this document, CONSULTANT'S QUESTIONNAIRE for RFP #20200081, five (5) completed reference check forms, Certified Minority Business Certificate (if applicable), Location documents (if applicable), W9, current Certificate of Insurance, license; then add the following documents: Truth-In-Negotiation Certificate and Affidavit, E-verify, Drug Free Workplace Form, Consultant Code of Ethics, Consultant Verification Form, Non-Collusion Affidavit and RFP checklist. (File # 4)

X All questions on the CONSULTANT'S QUESTIONNAIRE are complete and thoroughly answered.

X Each Proposal Addendum (when issued) is acknowledged.

X Have reviewed the Contract and accept all City Terms and Conditions.

X After review of uploaded documents on DemandStar by Onvia web site selected the Submit button at bottom of page.