

**CES Consultants, Inc.**

Bid Contact **Rudy Ortiz**  
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Address **880 SW 145th Ave**  
**Suite 106**  
**Pembroke Pines, FL 33027**

Item #	Line Item	Notes	Unit Price	Qty/Unit	Attch.	Docs
PSEN-18-02--01-01	Please submit documents here.	Supplier Product Code:	First Offer -	1 / each	Y	Y
Supplier Total					\$0.00	

CES Consultants, Inc.

Item: **Please submit documents here.**

Attachments

CES Consultants, Inc. Response to RFQ PSEN-18-02.pdf



SUBMITTED TO  
**PEMBROKE PINES**

# PROFESSIONAL SERVICE PROVIDERS

(Architectural, Engineering, Surveying & Mapping)

TITLE  
**PAGE**

CITY OF PEMBROKE PINES  
**PROFESSIONAL SERVICE PROVIDERS  
(ARCHITECTURAL, ENGINEERING,  
SURVEYING & MAPPING)**

RFQ # PSEN-18-02

JULY 24, 2018

**CES CONSULTANTS, INC.**

880 SW 145TH AVENUE

SUITE 106

PEMBROKE PINES, FL 33027

(954) 613-4353

**CONTACT PERSON:**

RUDY M. ORTIZ, PE, CGC

RORTIZ@CESCONSULT.COM

(954) 613-4353



# TABLE OF **CONTENTS**

## **TITLE PAGE**

» Title Page.....	2
-------------------	---

## **TABLE OF CONTENTS**

» Table of Contents.....	3
--------------------------	---

## **LETTER OF INTEREST**

» Transmittal Letter.....	4
---------------------------	---

## **STANDARD FORM 330 (PARTS I AND II)**

» Part I.....	6
» Organizational Chart.....	7
» Section E.....	8
» Section F.....	41
» Section G.....	51
» Section H.....	52
» Part II.....	64

## **CERTIFIED MINORITY BUSINESS ENTERPRISE**

» Certified Minority Business Enterprise.....	67
---	----

## **OTHER COMPLETED DOCUMENTS**

» Attachment B.....	68
» Attachment C.....	70
» Attachment D.....	71
» Attachment E.....	73
» Attachment F.....	74
» Attachment G.....	75
» Attachment H.....	78
» Attachment I.....	79
» Attachment L.....	86

## **PROFESSIONAL REGISTRATION CERTIFICATES**

» Project Understanding, Approach & Methodology.....	88
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The City of Pembroke Pines  
Purchasing Division  
8300 South Palm Drive  
Pembroke Pines, FL 33025

**RE: PSEN-18-02 Professional Service Providers (Architectural, Engineering, Surveying & Mapping)**

Dear Selection Committee,

**PROJECT NAME**

Professional Service  
Providers(Architectural,  
Engineering, Surveying &  
Mapping)

**RFQ NUMBER**

PSEN-18-02

**FIRM LOCATION**

880 SW 145th Avenue  
Suite 106  
Pembroke Pines, FL 33027  
954-613-4353

**PROJECT CONTACT**

Rudy M. Ortiz, PE, CGC  
rortiz@cesconsult.com  
954-613-4353

**PROJECT MANAGER**

David Hoot, PE  
dhoot@cesconsult.com  
954-613-4353

**CES TEAM**

- » CES Consultants
- » Miller Legg
- » WSP
- » Bermello Ajamil
- » RADISE

CES Consultants, Inc. (CES) is pleased to present this Statement of Qualifications (SOQ) for the subject Program and Professional Services. As you will see from our SOQ, we offer experienced and qualified personnel to provide the City of Pembroke Pines (City) the requested professional Civil, Structural and Facility Engineering and Landscape Architectural services for various capital improvement, renewal and replacement projects throughout the City.

CES, incorporated in 2001, is a local minority owned company with a proven record of providing quality planning, design and construction related services in the municipal engineering and utilities field in Broward, Miami and throughout South Florida. As a Pembroke Pines engineering firm, CES brings a strong portfolio of multi-faceted project experience, and with similar civil engineering projects requiring planning, condition assessments, engineering, design, permitting, and construction administration within the local municipal and South Florida markets. We also have the proven ability, as demonstrated in the recent West Avenue Neighborhood Improvement Project and Miramar Historic Water Main Improvement Project, to engage supporting survey, roadway, landscaping, civil, geotechnical, mechanical, electrical and resiliency disciplines when needed for projects.

Selecting CES will allow the City of Pembroke Pines to leverage our history, location and value-added experience gained from the successful delivery of past civil engineering projects and involvement in complex billion-dollar infrastructure programs, toward the cost-effective and efficient improvement and/or restoration of the City's infrastructure, parks and facilities. By selecting an award-winning, 90+ person, engineering and construction firm, CES will increase confidence among all stakeholders that substantial resources are in place to deliver projects as promised. CES is excited to combine with local team members to deliver a full spectrum of engineering services to achieve your goals. With CES's "proven in the past and prepared for your future" attitude and belief, we bring repeatable, disciplined, and robust methodologies and systems for delivering projects on time and on budget with a high level of transparency and accountability. Toward these ends, the CES team offers the City:

» **Trusted Technical Advisors** – With 42 years of experience, David Hoot, PE, will act as Project Manager for this contract, and he has successfully managed dozens of complex civil, environmental and infrastructure projects, including West Avenue and many in South Florida. Mr. Hoot is the Client Manager in Broward County, Pembroke Pine office Principal and Manager of CES's engineering resources. He has a strong working knowledge of municipal infrastructure and established relationships with various other local, state, and federal agencies as well as other key stakeholders. Mr. Hoot will be supported by Mr. Ranthus Fouch, PE, our senior principal engineer and technical lead with 45 years of experience, and Mr. Jose Caraballo, PE, our senior project engineer and civil lead, both of whom are well known from having managed significant projects in Broward and Miami-Dade Counties. These individuals are committed to providing seasoned leadership to ensure our team's responsiveness. All are team players with a bias toward collaborative, respectful, and diligent work efforts in accomplishing the mission at hand.

» **Responsive Local Firms with Local Expertise** – Our Project Manager will be supported by a local multidisciplinary team of small and large, well-qualified businesses including Miller Legg, Bermello Ajamil & Partners, Inc., WSP USA, Inc., and Radise International, LC. Collectively, the CES team provides you with responsive local companies with extensive local knowledge that are vested in and committed to enhancing and improving the City's, the community's, and specifically the resident's quality of life and protecting and restoring

## PROFESSIONAL SERVICE DISCIPLINES

- » General Civil and Environmental Engineering Services
- » Geotechnical Services
- » Structural Engineering Services
- » Land Surveying Services
- » Landscape Architecture Services
- » FDOT Roadway Engineering Services

infrastructure and natural ecosystems. Our team members have worked together on other programs in the past and we bring civil engineers and construction managers, environmental scientists, and water resource professionals, and technical experts with direct, hands-on experience solving the challenges that will be faced by the City of Pembroke Pines. Additionally, the local CES office is in the City of Pembroke Pines and serves as the firm's 'engineering design' center, allowing us to be very responsive.

» **Collective Capabilities, Expertise, and Knowledge** – The strength of the CES team lies in the collective capabilities, expertise, and knowledge of our team members. In addition to providing the professional civil engineering services that the City needs, we will hit the ground running because we know and understand your organization, its goals, its procedures. We will work to ensure that everyone, citizens, City Council, permitting agencies and the City's Staff are all aware of the status of the improvements being undertaken by holding informational meetings, public input workshops and/or website development with pertinent project information and progress updates.

» **Resilient and Sustainable Future** – A key element this Team brings the City is resiliency and sea level rise expertise. This is a major issue with all infrastructure projects in coastal areas and must be taken into consideration with future designs. It affects all areas of the critical infrastructure systems including water, wastewater and utilities, and the CES Team has an abundant amount of experience from our work in the Miami area and South Florida Compact, which is leading the way on many new design features to combat this problem.

The CES team has the experience and technical capabilities required to assist the City of Pembroke Pines in all requested professional General Civil and Environmental Engineering, Geotechnical, Land Surveying, Landscape Architecture FDOT Roadway Engineering Services. In our proposal, we further describe these capabilities in more detail. In addition, we have the available personnel and appropriate workload to meet the schedule and budget of any City project. We remain committed to supporting the City and supplying whatever staff and resources are needed to successfully complete any work assigned in a safe, timely, and cost-effective manner. If you have any questions or need additional information, please do not hesitate to contact me at 954.613.4353 or [rortiz@cesconsult.com](mailto:rortiz@cesconsult.com) or David Hoot at 561.289.9170 or [dhoot@cesconsult.com](mailto:dhoot@cesconsult.com). We look forward to your consideration, selection, and participating in and enhancing the local community in which we live and work.

Sincerely,

**CES Consultants, Inc.**



Rudy M. Ortiz, P.E., CGC  
CEO

# ARCHITECT – ENGINEER QUALIFICATIONS

## PART I – CONTRACT-SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

1. TITLE AND LOCATION (City and State)

Professional Service Providers (Architectural, Engineering, Surveying &amp; Mapping)

2. PUBLIC NOTICE DATE

June 26, 2018

3. SOLICITATION OR PROJECT NUMBER

PSEN-18-02

### B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Rudy M. Ortiz, PE, CGC

5. NAME OF FIRM

CES Consultants, Inc.

DUNS NUMBER

021359208

6. TELEPHONE NUMBER

(954) 613-4353

7. FAX NUMBER

N/A

8. E-MAIL ADDRESS

rortiz@cesconsult.com

### C. PROPOSED TEAM

	(CHECK)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J/V PARTNER	SUBCON-TRACTOR			
a.	<input checked="" type="checkbox"/>			CES Consultants, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	880 SW 145 <sup>th</sup> Avenue Suite 106 Pembroke Pines, FL 33401	General Civil, Structural, Roadway
b.		<input checked="" type="checkbox"/>		BERMELLO AJAMIL & PARTNERS, INC. <input type="checkbox"/> CHECK IF BRANCH OFFICE	900 SE 3rd Ave. Suite 203 Ft. Lauderdale, FL 33316	General Civil/ Environmental
c.		<input checked="" type="checkbox"/>		Miller Legg <input type="checkbox"/> CHECK IF BRANCH OFFICE	5747 N Andrews Way Ft. Lauderdale, FL 33309	General Civil/ Environmental, Land Survey, Landscape, Roadway
d.		<input checked="" type="checkbox"/>		RADISE International <input type="checkbox"/> CHECK IF BRANCH OFFICE	3296 NW 9th Avenue, Oakland Park FL 33309	Geotech
e.		<input checked="" type="checkbox"/>		WSP USA Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	7650 Corporate Center Drive, Airport Corporate Center Building 10, Suite 300 Miami FL , 33126	Roadway
f.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
g.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
h.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
i.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		

# ORGANIZATIONAL CHART

1. CES
2. Miller Legg
3. WSP
4. Bermello Ajamil
5. RADISE

## CITY OF PEMBROKE PINES

**PROJECT MANAGER**  
David Hoot, PE

### QA/QC

Ranthus Fouch, PE

### PRINCIPAL IN CHARGE

Rudy M. Ortiz, PE, CGC

### GENERAL CIVIL & ENVIRONMENTAL ENGINEERING SERVICES

Jose Caraballo, PE<sub>1</sub>  
Deavon Uter, PE<sub>1</sub>  
Jafet Torres, PE<sub>1</sub>  
Luis Miranda, PE<sub>1</sub>  
Simon Sainsbury, PE<sub>1</sub>  
Andres Cardona, PE<sub>3</sub>  
Mauricio Paredes, PE<sub>3</sub>  
Werner Reinefeld, PE<sub>3</sub>  
Ashraf Iqbal, EI<sub>1</sub>  
Chang-Xing Jin, PhD, PE<sub>1</sub>  
Erik Alcantara, EI<sub>1</sub>  
Fernando Vazquez, PE<sub>1</sub>  
Gustavo Silva, EI<sub>1</sub>  
Jafet Torres, PE<sub>1</sub>  
Luis Miranda, PE<sub>1</sub>  
Mireya Skeen<sub>1</sub>  
Nada Reinbold, EI<sub>1</sub>  
Anthony Hudson<sub>2</sub>  
Dylan Larson, CEP, PWS, CLI, GTA<sub>2</sub>  
Jennifer Shipley<sub>2</sub>  
Jose Lopez, PMP<sub>4</sub>  
Jose Otero, PE<sub>3</sub>  
Sarah Amritt, PE<sub>3</sub>  
William Mohler, III, CA, CLI<sub>2</sub>

### LANDSCAPE ARCHITECTURAL ENGINEERING SERVICES

Dylan Larson, CEP, PWS, CLI, GTA<sub>2</sub>  
Michael Kroll, RLA, FSLA<sub>2</sub>  
Anthony Hudson<sub>2</sub>  
Brian Shore, RLA<sub>2</sub>  
Jennifer Shipley<sub>2</sub>  
Vanessa Ruiz, RLA<sub>2</sub>  
William Mohler, III, CA, CLI<sub>2</sub>

### FDOT ROADWAY ENGINEERING SERVICES

Jose Otero, PE<sub>3</sub>  
Mauricio Paredes, PE<sub>3</sub>  
Gustavo Silva, EI<sub>1</sub>  
Andres Cardona, PE<sub>3</sub>  
Brian Shore RLA<sub>2</sub>  
Michael Kroll, RLA, FASLA<sub>2</sub>  
Vanessa Ruiz, RLA<sub>2</sub>  
Sarah Amritt, PE<sub>3</sub>  
William Mohler, III, CA, CLI<sub>2</sub>

### LAND SURVEYING SERVICES

Martin Rossi, PSM<sub>2</sub>  
Karen Lynch, PSM<sub>2</sub>

### GEOTECHNICAL SERVICES

Akash Bissoon, PE<sub>5</sub>  
Tom Mullin, PE<sub>5</sub>

### STRUCTURAL ENGINEERING SERVICES

Nestor Cueto, PE<sub>1</sub>  
Ashraf Iqbal EI<sub>1</sub>  
Nada Reinbold, EI<sub>1</sub>  
Jose Castro<sub>1</sub>

### ENGINEERING SUPPORT

Chang-Xing Jin, PhD, PE<sub>1</sub> - Resiliency  
Fernando Vazquez, PE<sub>1</sub> - Hydraulic Modeling  
Mireya Skeen<sub>1</sub> - CAD  
Simon Sainsbury, PE<sub>1</sub> - Electric

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME		13. ROLE IN THIS CONTRACT	
RUDY M. ORTIZ, PE, CGC		PRINCIPAL	
		14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
		30	16
15. FIRM NAME AND LOCATION (City and State)		CES Consultants, Inc., Pembroke Pines, FL	
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
B.S., Civil Engineering		Professional Engineer: NY, FL, Certified General Contractor (CGC): FL	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			
Design Build Project Delivery System, Basic Blueprint & Related Math, Basic Winds Load ASCE 7-05, FL Bldg. Code Advanced 04, FL Statues Ch. 489 Section 101-114, FL Workers Compensation Law, Wind Mitigation Methodology			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	See Project ____ in Section F		
	Miami-Dade County Peak Flow Study Program, Miami Dade County, FL	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2009	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
	Mr. Ortiz worked on the miscellaneous project management, contract administration, and construction engineering and inspection services for a Miami-Dade County Public Works Department project under a \$4 million master consulting contract. Under this master service agreement, CES staff performed a wide range construction management and inspection services		
b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	See Project ____ in Section F		
	Infiltration/Ex-filtration/Inflow Program, Miami-Dade County, Florida	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2001	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
	Mr. Ortiz, on a \$250 million project, was responsible for leading a staff of engineers, construction managers, inspectors, consultants, and other professionals in meeting Miami-Dade Water and Sewer Department's Consent Decree Settlement Agreement requirements on the Infiltration/Ex-filtration/Inflow (IEI) program. One of the largest IEI programs in the United States, it utilized conventional and cutting-edge trenchless technologies to remove over 85 MGD of wastewater flow from the system. Mr. Ortiz's duties also included coordinating all activities for the acquisition of a National Sanitary Sewer Overflow grant to perform demonstration pilot studies, and sharing the Department's experience on the IEI Program with other municipalities across the country.		
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	See Project ____ in Section F		
	Pump Station Improvement Program, Miami Dade County, FL	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		1997	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
	Mr. Ortiz worked on the planning, designing, and engineering group of Miami-Dade County's \$250 million Pump Station Improvement Program as part of the County's \$1 billion Program Management Team, and was responsible for directing the activities of project managers and senior & junior engineers in the planning, designing, and permitting for more than 200 pump stations and force mains. He performed design reviews, prepared construction bid documents, and coordinated with private developers as well as city, county, and state agencies.		
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	See Project ____ in Section F		
	Ft. Lauderdale Waterworks 2011, Ft. Lauderdale, FL	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		2011	2011
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
	Mr. Ortiz was the Project Principal in this \$550 million project. the CES team of professionals provided full time Construction Engineering and Inspection Services infrastructure improvement projects being carried out by construction companies at various locations.		
e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	See Project ____ in Section F		
	SW 27th Avenue from US-1 to Bayshore Drive, Miramar, FL	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
		Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	
	Mr. Ortiz was responsible for providing services in monitoring the construction activities throughout the southern half of the City of Miramar. The project consists of the installation of all the water, sewer, and drainage, as well as the expansion of a lift station and over 5 miles of roadway resurfacing. Mr. Ortiz certified all improvements being constructed under this contract.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>DAVID A. HOOT, PE</b>	13. ROLE IN THIS CONTRACT <b>PROJECT MANAGER</b>	14. YEARS EXPERIENCE a. TOTAL <b>42</b> b. WITH CURRENT FIRM <b>1</b>	
15. FIRM NAME AND LOCATION (City and State) <b>CES Consultants, Inc.; Pembroke Pines, FL</b>			
16. EDUCATION (Degree and Specialization) <b>B.S. Civil Engineering – Environmental Engineering &amp; Water Resources; Michigan Technological University, 1976</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Florida: PE#35970; Civil Engineering Georgia: PE#13518; Civil Engineering</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <b>Professional Affiliations: American Management Association; American Water Works Association; American Water Resources Association; Association of State Dam Safety Officials; Ducks Unlimited, Wetland Conservation; Florida Engineering Society; National Society of Professional Engineers; Water Environment Federation</b>			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State) <b>Miami-Dade WASD; Infiltration/Exfiltration/Inflow Program Management Services; Miami-Dade County, Florida</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>1995-99</b> CONSTRUCTION (If applicable) <b>2004</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Acted as a Project Manager and Technical Support Manager for key program management objectives and components required to meet or exceed the FDEP Settlement Agreement and US EPA 1<sup>st</sup> &amp; 2<sup>nd</sup> Consent Decrees related to the reduction in extraneous flows to the wastewater collection and treatment system throughout the entire county. Evaluation of the sanitary sewer system consisted of approximately 2500 miles of gravity sewer pipeline, 56,000 manholes, and 750+ pump stations; with program management services/tasks which included consultant/contractor oversight, issuing work orders for inspection, review of closed circuit television tapes of piping/manholes, detecting leaks, determining, recommending and scheduling of cost-effective or appropriate repairs, and providing construction management for repairs and pipe system rehabilitation.</b>		<input type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State) <b>SFWMD; C-11 Impoundment; Broward County, Florida</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2007</b> CONSTRUCTION (If applicable) <b>X</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Program Manager/Technical Advisor: The C-11 Impoundment project is an above-ground impoundment, located in Broward County. The Project had a planned total storage capacity of more than 194 million gallons at a maximum storage depth of approximately 4 feet. The purpose of the project will be to reduce the seepage from Water Conservation Area 3, divert water away from the S-9 pump station, stabilize the saltwater/ freshwater interface to the east, improve hydroperiod and water quality within the water conservation areas and provide some measure of flood protection. Some of the primary components included in this project are: Approximately 1055 acres of impoundment; 147 acres of mitigation wetlands; A 1010 + 640 cfs co-located inflow/seepage pump station; ~ 7 miles of embankments and a perimeter seepage control system; 1000 cfs three-bay ogee gated discharge spillway structure; Modifications to the existing S-381 Obermeyer gate structure; Fixed weir and gated culvert structures. Design aspects included hydraulic, hydrologic and seepage analyses, cost alternatives analyses, embankment design, dam-break and safety evaluations, flood routing and operational studies, etc, to provide a solid basis for the preliminary/final design of all project features. Where possible, coordinated and performed the design and environmental analyses simultaneously to meet the tight project schedule.</b>		<input type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State) <b>Hillsborough County Public Utilities; Dale Mabry Recovered Water System, Tampa, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2002</b> CONSTRUCTION (If applicable) <b>X</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager: Managed the project team and performed as client liaison for the design, plan and specification preparation, and construction administration for the interconnection of three separate reclaimed water pumping and storage facilities. Project consisted of 7.4 miles of 12 to 30- inch reclaimed water force main along major highways, two pump stations and a booster pump station, and two 500,000 gallon steel water storage tanks.</b>		<input type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b> <b>Miami-Dade County Aviation Dept.; Water Distribution System Modeling and Evaluation; Miami International Airport (MIA), Miami, Florida</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>1997</b> CONSTRUCTION (If applicable) <b>X</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Program/Project Manager: PM for DCAD's water distribution system master plan, hydraulic analysis/modeling, and system and operational improvements for MIA. Developed new distribution system maps utilizing historic data and GIS surveying, valve and hydrant exercising/maintenance procedures, an interactive hydraulic model to analyze existing and future MIA expansion, and created pressure and flow contour maps for system operations. Performed onsite inspections and flow testing of hydrants and equipment.</b>		<input type="checkbox"/> Check if project performed with current firm	



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>RANTHUS FOUCH , PE</b>	13. ROLE IN THIS CONTRACT <b>QA / QC</b>	14. YEARS EXPERIENCE a. TOTAL <b>44</b> b. WITH CURRENT FIRM <b>4</b>	
15. FIRM NAME AND LOCATION (City and State) CES Consultants, Inc., Pembroke Pines, FL			
16. EDUCATION (Degree and Specialization)  Bachelor of Science – Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Engineer, Civil – Florida PE No. 73422</b> <b>New York PE No. 8980296</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) ACEC Platinum Award – Millennium Power Wastewater Reuse Project			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Miami Dade Water and Sewer Department, Ocean Outfall Legislation Program, Miami, FL</b>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager</b> – Manage consultants for design development of over 40,000 LF of 60-inch force main, a 65 MGD wastewater pump station, and pipeline hydraulic transient analysis for the South District Service Area. Conceptual design development of return activated sludge pumps and structural improvements at the Central District WWTP, routing analysis for the North District Service Area 48-inch diameter force main improvements, and effluent pump capacity analysis for the North District WWTP ocean outfall 75 MGD pumps and 90-inch diameter pipeline. <b>Cost: \$7,000,000 (Engineering)</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Miami Dade Water and Sewer Department, EPA Consent Decree - Pump Station Improvement Program (PSIP), Miami, FL</b>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Principal Engineer</b> - Design and construction for improvements to and replacement of over 18 local wastewater pump stations, and associated force mains, to bring the facilities into compliance with the EPA Consent Decree, and within DERM operational parameters. <b>Cost: \$3,000,000 (Engineering)</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Miami Dade Water and Sewer Department, Capacity Management Operation and Maintenance - Water (CMOM), Miami, FL</b>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Principal Engineer</b> – Development of feasibility analysis for automatic meter reading, data collection systems, implementation alternatives, product analyses and evaluations, and MDWASD operational goals. <b>Cost: \$1,500,000</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>West Palm Beach Utilities, Clear Lake WTP Consent Agreement, West Palm Beach, FL</b>		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2011
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Principal Engineer</b> – Technical lead for emergency water system engineering services, and coordination with FDEP/DOH for the Consent Agreement, for a boil water event that occurred in September 2007. Manager/Advisor for a citizen's panel, formed by the Mayor, to review current plans for upgrades to the Clear Lake WTP and future water supply and treatment plans for a 20-year period. Manager of construction for Phase I improvements to the 47 MGD Clear Lake WTP for conversion to enhanced coagulation. <b>Cost: \$1,500,000 (Engineering)</b>		<input type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Broward County Water and Wastewater Services, Broadview Estates Sewer Design, North Lauderdale, FL</b>		PROFESSIONAL SERVICES 2009	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Principal Engineer</b> - Design for replacement of more than 20,000 LF of gravity sanitary sewer for the Bid Package 2 construction project, including a cost saving assessment of gravity sewer layout within three sub-basins to minimize depth of excavation and length of sewer replacement. <b>Cost: \$200,000</b>		<input type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Broward County Water and Wastewater Services, Alternative Water Supply Master Plan, Broward County, FL</b>		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>QA/QC-Technical Advisor</b> - Development of a comprehensive assessment of Broward County's future water supply needs, together with the available sources of supply that may be developed to meet future needs. <b>Cost: \$500,000</b>		<input type="checkbox"/> Check if project performed with current firm	

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>JOSE CARABALLO, PE</b>	<b>CIVIL</b>	a. TOTAL  15	b. WITH CURRENT FIRM  13
15. FIRM NAME AND LOCATION (City and State)		CES Consultants, Inc., Pembroke Pines, FL	
16. EDUCATION (Degree and Specialization)  B.S., Environmental Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)  Professional Engineer: FL	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) Certifications: CTQP Certification: Asphalt Paving Technician - Level 1 Mr. Caraballo has over twelve years of experience permitting, civil and environmental engineering, project delivery, and construction management, including over 110,000 feet of water mains and force mains, and 20,000 feet of treatment facility yard piping			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
<b>NW 12th Avenue Force Main Replacement, City of North Miami FL</b>	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable)	
<input type="checkbox"/> Check if project performed with current firm			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Engineer of Record for the development, design, and permitting of approximately 10,500 feet of 12-inch and 10-inch sanitary sewer force main along NW 12th Avenue extending from NW 95th Street to NW 125th Street. The intension of this project, located in Miami-Dade County and within the City of North Miami, was to replace aging asbestos-cement and cast iron force mains with corrosion resistant PVC pipe. Additionally, a hydraulic analysis was performed to identify the new pipe diameter considering the current and future flows for the area. The route included service transfers for a number of public and private lift stations, which required additional analysis to identify operating pressures and possible modifications.			
b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
<b>E06-WASD-09; Task Order No. 6: Design of 6,400 LF of Force Main Design, Miami Dade County</b>	PROFESSIONAL SERVICES <b>2014</b>	CONSTRUCTION (If applicable)	
<input type="checkbox"/> Check if project performed with current firm			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Engineer of Record for design of approximately 6,400 feet of 8-inch and 12-inch DIP force main. The project consisted of 8-inch and 12-inch force mains that will alleviate the current constraints of the area, and allow for future growth. The project consisted of replacing an existing asbestos-cement force main with DIP. The design was completely within the public right of way, and required an intense utility identification. Additionally, it was necessary to design the force main in such a way as to allow continuous operation of the existing pump stations, and reduce the temporary by-pass operation time.			
c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
<b>Pump Station Improvement Program (PSIP)</b>	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable)	
<input type="checkbox"/> Check if project performed with current firm			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Development of the drainage, yard piping, and utility relocation for a new water reclamation facility. Key elements for this project were the updating the inadequate drainage system and yard piping for over 3,500 LF of 12-inch DI and PVC reclaimed water main. Additionally, this project had a large amount of utility relocation to accommodate the new piping.			
d. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
<b>Doral 48-inch Force Main Improvements Project</b>	PROFESSIONAL SERVICES <b>2010</b>	CONSTRUCTION (If applicable) <b>X</b>	
<input type="checkbox"/> Check if project performed with current firm			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Designer for design of approximately 4,200 feet of 48-inch PCCP pipeline improvements to increase wastewater transmission capacity within the Doral basin of the County's wastewater collection and transmission system. The major issues for this project, located along NW 54th Street, included developing an alignment within a dense corridor and a micro-tunneling segment under a major highway. Additionally, this project required analysis of utility conflicts, in order to provide the most feasible, cost effective and constructible conflict resolution.			
e. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
<b>CDWWTP Water Reclamation Facility, Miami-Dade County, Florida</b>	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable)	
<input type="checkbox"/> Check if project performed with current firm			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for development of a drainage, yard piping, and utility relocation plan for a new water reclamation facility. The key elements to this project were the updating of an aging and inadequate drainage system and new yard piping for over 3,500 feet of 12-inch DIP and PVC reclaimed water main. Additionally, this project had a large amount of utility relocation to accommodate the new piping.			

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>NESTOR CUETO, PE</b>	13. ROLE IN THIS CONTRACT <b>STRUCTURAL</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>11</b>	b. WITH CURRENT FIRM <b>1</b>
15. FIRM NAME AND LOCATION (City and State)		CES Consultants, Inc., Pembroke Pines, FL	
16. EDUCATION (Degree and Specialization) B.S.C.E. Civil Engineering Florida State University Tallahassee, FL		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida Board of Professional Engineers	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES <b>2009</b>	CONSTRUCTION (If applicable)	
<b>Waste Treatment Plant, Oakland, CA</b>			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
<ul style="list-style-type: none"> <li>Analyzed and designed concrete structures in a high-level waste nuclear facility to include the effects of revised ground motion spectra using SAP 2000 and MS Excel Visual Basic macros.</li> <li>Originated and reviewed calculations and drawings for steel and concrete structures including for seismic analysis.</li> <li>Organized group presentations relating to safety and quality performance values.</li> <li>Designed several temporary work platforms for use in construction activities while utilizing available materials.</li> <li>Formulated calculations for the design of embedment plates using ME035 software and MS Excel w/ VBA macros.</li> <li>Participated in a structural project review for the Los Alamos Nat'l. Lab (LANL) and presented findings to the National Nuclear Securities Administration (NNSA).</li> <li>Designed CMU walls and foundations or the Pueblo Chemical Agent Processing Plant (PCAPP) DOD project.</li> </ul>			
b. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES <b>2013</b>	CONSTRUCTION (If applicable)	
<b>Turkey Point Nuclear Power Plant, Homestead, FL</b>			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
<ul style="list-style-type: none"> <li>Manage daily personnel activities and provide technical direction to engineers and designers in order to efficiently complete work with changing priorities.</li> <li>Delegate responsibilities to members of the team based on abilities and experience.</li> <li>Communicate project expectations with the Plant Design team to ensure consistent designs are produced in order to maintain dedication to our quality and safety values.</li> <li>Actively interface with construction, other engineering disciplines and the client in order to produce expected deliverables.</li> <li>Devise on-the-spot solutions for construction related problems in order to keep the project off critical path schedule.</li> <li>Review construction work packages to ensure engineering design intent is well sequenced and fully incorporated.</li> <li>Originated and reviewed calculations and drawings using vendor information, client procedures, specs, and processes for various structures, systems and components.</li> <li>Developed Engineering Change packages while facilitating clear communication between disciplines regarding client expectations and project scope.</li> <li>Created demolition and installation drawings for construction and engineering documents by utilizing AutoCAD.</li> </ul>			
c. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES <b>2008</b>	CONSTRUCTION (If applicable) <b>X</b>	
<b>Savannah River Nuclear Solutions, Aiken, SC</b>			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
<ul style="list-style-type: none"> <li>Performed analyses and design of concrete and steel structures for natural phenomena hazard (NPH) events including seismic and wind activity.</li> <li>Prepared, coordinated, and reviewed deliverables for the Structural Mechanics Department at the DOE Savannah River Site while ensuring activities were conducted in compliance with company procedures, and current national codes and standards.</li> <li>Defined structural acceptance criteria and assisted in constructability reviews for a multi-disciplinary, preliminary study for the Global Nuclear Energy Partnership (GNEP) project.</li> <li>Worked with a team to develop a MathCAD template for anchor bolt analysis and design as a process improvement tool. <b>Size:</b> TBD. <b>Cost:</b> \$TBD</li> </ul>			

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

<b>12. NAME</b> <b>FERNANDO A. VAZQUEZ. PE</b>	<b>13. ROLE IN THIS CONTRACT</b> <b>CIVIL - RESILIENCY</b>	<b>14. YEARS EXPERIENCE</b> <table border="1"> <tr> <td>a. TOTAL</td> <td>b. WITH CURRENT FIRM</td> </tr> <tr> <td>30</td> <td>2</td> </tr> </table>		a. TOTAL	b. WITH CURRENT FIRM	30	2
a. TOTAL	b. WITH CURRENT FIRM						
30	2						
<b>15. FIRM NAME AND LOCATION (City and State)</b> CES Consultants Inc., Coral Gables, FL							
<b>16. EDUCATION (Degree and Specialization)</b> B.S. Ocean Engineering		<b>17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)</b> FL Professional Engineer					
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)</b> ASCE; FES; ICWA;							
<b>19. RELEVANT PROJECTS</b>							
<b>a. (1) TITLE AND LOCATION (City and State)</b> See Project ____ in Section F		<b>(2) YEAR COMPLETED</b>					
<b>City of Miami Beach Capital Improvements Program, City of Miami Beach, FL</b>		PROFESSIONAL SERVICES <b>2011-2013</b>	CONSTRUCTION (If applicable) <b>2011-2013</b>				
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b>		<input checked="" type="checkbox"/> Check if project performed with current firm					
Department Director in charge of Citywide CIP Program Implementation Water, Wastewater, Stormwater, and Neighborhood Improvements Implemented advanced Program Management System to track all projects from initiation to closure so as to drive efficiency and measure productivity, ongoing construction process improvement, maintain updated files and records, track financial performance, and drive accountability while mitigating risk for CIP and Consent Related Infrastructure. Generated "cradle to grave" construction analysis process that included constructability and bid ability reviews at defined milestones of planning and design, aimed at establishing proper "benchmarks" prior to bidding.. Implemented comprehensive informational tools to keep all stakeholders engaged in all phases of construction projects. Built and established key relationships with regional and local stakeholders as a means to centralize consensus during all phases of project development and implementation. Size: City of Miami Beach CIP. Cost: \$1.5 Billion							
<b>b. (1) TITLE AND LOCATION (City and State)</b> See Project ____ in Section F		<b>(2) YEAR COMPLETED</b>					
<b>City of Miami Beach City Engineer, City of Miami Beach, FL</b>		PROFESSIONAL SERVICES <b>2005-2013</b>	CONSTRUCTION (If applicable) <b>2005-2013</b>				
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b>		<input type="checkbox"/> Check if project performed with current firm					
Owners Representative for citywide infrastructure projects including compliance with City's Consent Decree Program, which included the direction of the design of a 25MGD Regional Raw Sewage Pump station discharging into the 54 " Government Cut Force Main to Virginia Key, improvements to various sewage pump stations throughout the City to reduce peak flow conditions, assessment of over 8 miles of raw sewage force main, criticality assessment of over 2 miles of 54" PCCP force main conveying over 24 MGD of raw sewage, sewer and storm water pump station improvements, and implementation of a citywide inflow and infiltration reduction program. Responsible for updating Citywide Water and Sewer distribution model to meet adequate infrastructure requirements for future population demands driven by economic growth. Size: Citywide Programs. Cost: \$ 1.5 Bilion							
<b>c. (1) TITLE AND LOCATION (City and State)</b> See Project ____ in Section F		<b>(2) YEAR COMPLETED</b>					
<b>Brickell Sewer Interceptors Micro Tunneling Project, City of Miami FL</b>		PROFESSIONAL SERVICES <b>2013-2015</b>	CONSTRUCTION (If applicable)				
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b>		<input type="checkbox"/> Check if project performed with current firm					
Engineering Project Manager for fast-track Design Built Project to increase sewer capacity in highly congested downtown Miami. Oversaw the successful design of approximately 5,000 ft. of 48" gravity sewer constructed by micro tunneling (MTBM) methods. Design of secant pile shaft 33 feet deep, and four CMP (corrugated metal pipe) shafts ranging from 21 to 34-ft in depth. Project also included the design and construction of two large sewer diversion structures and connection to future Pump Station No. 3. FDOT for scheduled milling and resurfacing work. Driveway harmonization to improve positive drainage along adjacent properties. (MTBM) methods in downtown Miami. Size: 5000 lf /48" Micro tunnel. Cost: \$13,713,360.00							
<b>d. (1) TITLE AND LOCATION (City and State)</b> See Project ____ in Section F		<b>(2) YEAR COMPLETED</b>					
<b>Massachusetts Water Resource Authority – Metrowest Tunnel Project</b>		PROFESSIONAL SERVICES <b>1995-1998</b>	CONSTRUCTION (If applicable)				
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b>		<input type="checkbox"/> Check if project performed with current firm					
Project Manager responsible for coordination with all disciplines (Tunneling, Structural, Mechanical and Electrical, and Environmental). Project Manager responsible for the multidiscipline coordination (Tunneling, Civil, Structural Mechanical, Operations, Environmental, etc.) of the design of the Metrowest Water Supply Tunnel (MWWST) Project, a 14 ft. diameter tunnel aqueduct extending for about 17.6 miles at approximately 200 to 500 ft. below the communities of Southborough, Marlborough, Framingham, Wayland and Weston, conveying approximately 500 MGD. MWWST was designed to improve water transmission reliability and redundancy to Metropolitan Boston. In addition to meeting the fundamental hydraulic requirements of operation, such as flow capacities and operating hydraulic characteristics, additional important operations and maintenance provisions required identification and incorporation in the design, including provisions for future reentry into the tunnels and associated unwatering and safe future access for men as well as essential equipment.. Other responsibilities included the site grading and drainage, storm water management BMP's, contaminated soil management, construction management, mined material staging, construction review and scheduling for the Weston Shaft location. Size: 500 MGD. Cost: \$700m							

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>LUIS A. CRUZ MIRANDA, PE</b>	<b>CIVIL</b>	<b>21</b>	<b>1</b>

15. FIRM NAME AND LOCATION (City and State)	CES Consultants, Pembroke Pines, FL
16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
Master of Science in Civil Engineer (Hydrology and Hydraulic)	Florida State – 69995 (PE) / Puerto Rico 15820 (PE)
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)	

## 19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State)	(10) YEAR COMPLETED	
Puerto Rico Aqueduct and Sewer Authority (PRASA) – Water Distribution System Optimization.	PROFESSIONAL SERVICES 2007-2017	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	

As Water Resources Engineer & Project Manager, Mr. Cruz was in charge of updating PRASA's infrastructure maps, as well as building a hydraulic model based on existing condition, calibration of models and recommendation of alternatives to optimize the studied area. He was responsible for the pump station energy consumption reduction by adjustment of pressure sustaining valve to carry the pump to the maximum operational efficient and the installation of timers to limit the daily operational time. Mr. Cruz performed a mechanical, hydraulic & electrical evaluation of visited pump station, and was also responsible for the scheduling, deliveries and supervision of the project development, weekly meetings and the coordination with the Client. \$3,000,000 annually for 10 years

b. (1) TITLE AND LOCATION (City and State)	(5) YEAR COMPLETED	
<b>Puerto Rico Aqueduct and Sewer Authority (PRASA) – Puerto Rico Water Capital Improvement Program.</b>	PROFESSIONAL SERVICES 2007-2012	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	

Water Resources Engineer for East Region Program for the Puerto Rico Aqueducts and Sewer Authority's Capital Improvement Program. Efforts included the planning and development of the Capital Improvement Plan for the region, conceptual designs, design management, environmental permitting, land acquisition, construction management, and facility start-up services, among others. The Program identified over 140 projects for the region, including two reservoirs. **Cost:** \$50,000,000

c. (1) TITLE AND LOCATION (City and State)	(5) YEAR COMPLETED	
<b>Puerto Rico Infrastructure Financing Authority (PRIFA) and Puerto Rico Aqueduct and Sewer Authority (PRASA) – PRIFA Northwest Regional Aqueduct &amp; Distribution System &amp; PRASA's North &amp; West Regions Programs</b>	PROFESSIONAL SERVICES 2003-2008	CONSTRUCTION (If applicable) 2003-2008
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	

**Specific Role.** Puerto Rico Northwest Water Projects, Puerto Rico Infrastructure Financing Authority (PRIFA) - Worked on various projects for PRIFA Northwest Regional Aqueduct & Distribution System & PRASA's North & West Regions Programs, including:

- Improvement to Isabela Water Distribution System
- Two New Water Filtration Plants at Isabela (5.0 mgd) and Culebrinas (5.1 mgd)
- New WWTP at Utuado
- New Sanitary Sewer Systems at Camuy and Aguada Municipalities

Mr. Cruz was the Project Manager for design and construction phases, in charge of supervising structures and places, site surveying, structural, foundation, earth work cut & fill, piping, plumb sanitary & potable lines and other activities. He prepared proposals for bids, scheduling, and supervision project development, certifications for payments, change orders and weekly meetings. Mr. Cruz also handled the coordination with Government agencies. **Cost:** \$35,000,000

d. (1) TITLE AND LOCATION (City and State)	(1) YEAR COMPLETED	
Puerto Rico Aqueduct and Sewer Authority (PRASA) – Valenciano Reservoir.	PROFESSIONAL SERVICES 2008	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input type="checkbox"/> Check if project performed with current firm	

The project comprised the construction of a new dam and reservoir along the Rio Valenciano, which would inundate approximately 554 acres. The Valenciano reservoir would have a drainage area of approximately 14.5 miles<sup>2</sup>; its maximum storage volume available would be approximately 20,000 acre-feet and yield an average of 14.4 mgd, with a maximum yield of 21.6 mgd. As Water Resources Engineer, Mr. Cruz was in charge of the hydrologic-hydraulic study to estimate the impact of the new reservoir in two existing bridges and one proposed bridge upstream the proposed dam. **Cost:** \$1,000,000

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>CHANG-XING JIN, PHD, PE</b>	13. ROLE IN THIS CONTRACT <b>CIVIL - MODELING</b>	14. YEARS EXPERIENCE	
		a. TOTAL 25	b. WITH CURRENT FIRM 1
15. FIRM NAME AND LOCATION (City and State) CES Consultants (Miami, Florida)			
16. EDUCATION (Degree and Specialization) Ph.D. in Civil Engineering with specialization in Hydrology & Hydraulics		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida Registered P.E. (FL #65622)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) Florida Stormwater Association member			

## 19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>SFWMD, STAs data QAQC, West Palm Beach, FL33406</b>	PROFESSIONAL SERVICES 2012-on going	CONSTRUCTION (If applicable) X
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Specific Role.</b> Project manager and project engineer for Stormwater Treatment Areas (STA) data QAQC for South Florida Water Management District (SFWMD). Work includes data QAQC, water balance analysis, database maintenance and update, flow rating analysis, etc. Started from 2012 and still going on. <b>Size:</b> TBD. <b>Cost:</b> accumulated over \$750,000		<input checked="" type="checkbox"/> Check if project performed with current firm	
	<b>SFWMD, Cardinal Lane Watershed master plan development, Brooksville, FL 34604</b>	PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) X
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Specific Role.</b> Leader engineer in GIS and modeling in Cardinal Lane Watershed master plan development for Southwest Florida Water Management District (SWFWMD) using cut-edge technologies of ArcGIS, ArcHydro, LiDAR data, GWIS database, ICPR model. The watershed is in Citrus County of Florida. The model result will be used by SWFWMD and FEMA to replace the existing flood insurance map in the area. <b>Size:</b> 60 Square Miles. <b>Cost:</b> \$700,000		<input type="checkbox"/> Check if project performed with current firm	
	<b>SFWMD, FLOW Program Re-engineering, West Palm Beach, Florida 33406</b>	PROFESSIONAL SERVICES 2007	CONSTRUCTION (If applicable) X
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Specific Role.</b> Project manager and project engineer for FLOW Program Re-engineering for South Florida Water Management District. The district uses the FLOW Program to calculate flow from over 500 culverts, spillways, weirs, and pump stations in south Florida. FLOW Program Re-engineering includes developing flow equations, algorithms, computer code, and program test. <b>Size:</b> TBD. <b>Cost:</b> \$70,000		<input type="checkbox"/> Check if project performed with current firm	
	<b>City of Titusville, Basin Delineation, Utility Infrastructure Inventory and BMPs planning, Titusville, Florida (multiple projects)</b>	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) X
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Specific Role.</b> Leader engineer in Titusville's city-wide basin delineation, utility infrastructure inventory, database development, and best management practices (BMP) planning. Work includes basin delineation using ArcGIS, ArcHydro and Digit Elevation Model (DEM), field GPS survey, GWIS database development, ICPR modeling for flooding areas, flood abatement improvement measures, BMPs selection and comparison, and cost estimate, etc. <b>Size:</b> Titusville city wide. <b>Cost:</b> \$ Over \$500,000		<input type="checkbox"/> Check if project performed with current firm	
	<b>Pinellas County, Pipers Meadow Drainage Improvement, Pinellas County, Florida</b>	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) X
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Specific Role.</b> Leader hydrological and hydraulics model developer for Pipers Meadow Drainage Improvement in Pinellas County. Work includes ArcGIS analysis, database development, model development, comparison of difference flood abatements plans, and cost estimate. <b>Size:</b> TBD. <b>Cost:</b> \$140,000		<input type="checkbox"/> Check if project performed with current firm	



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>DEAVON UTER, PE</b>	13. ROLE IN THIS CONTRACT <b>CIVIL</b>	14. YEARS EXPERIENCE a. TOTAL <b>21</b> b. WITH CURRENT FIRM <b>1</b>	
15. FIRM NAME AND LOCATION (City and State) <b>CES Consultants, Inc., Pembroke Pines, Florida</b>			
16. EDUCATION (Degree and Specialization) <b>Bachelor of Science, Agricultural Engineering, Soil and Water Engineering</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Engineer, Florida, Civil P.E. No. 66347</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <b>Project Management Professional (PMP) 2013 to 2016</b>			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State) <b>Florida Turnpike Enterprise Fort Drum Service Plaza Water and Wastewater Treatment Plants, Okeechobee Co., Florida</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2009 to 2012</b> CONSTRUCTION (If applicable) <b>2012-2013</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager and Engineer of Record.</b> This \$4.5 million Design Build project is a small part of the overall rehabilitation of the seven service plazas along the Florida Turnpike. Mr. Uter led the design team, for both the water and wastewater plants. The plants included Floridan Aquifer wells, hydrogen sulfite degassifier, bolted steel water storage tanks, fire pump, VFD high service pumps, green sand filters, and sodium hypochlorite disinfection system. The wastewater plant includes two lift stations, rotary drum screen, two aerobic reactor tanks, sludge tank, dual train GE Zenon Membrane Biological Reactor (MBR), chlorine contact chamber, high service reuse pumps, hydro pneumatic tank, 14" and 24" Jack and Bore under the Turnpike to a 12-acre effluent pond. As the EOR during construction, Mr. Uter oversaw the processing of shop drawings, responded to Requests for Information (RFI), Requests for Additional Information (RAI) from permitting agencies, prepared Construction Change Directives (CCD), among other construction phase services. Mr. Uter was also the EOR for lift stations installed at the Ft. Pierce and Turkey Lake Service Plazas on the Turnpike. <b>Size: 100,000 GPD/Ea. Cost: \$4.5 Million</b>		<input type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State) <b>Water Works 2011 Project, Ft. Lauderdale, Florida</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2004 to 2008</b> CONSTRUCTION (If applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Design Engineer.</b> The goal of the Water Works 2011 Project is to provide municipal sanitary sewer conveyance system to areas within the City that were still on septic sewer systems. This project included the design of 60,000LF of sanitary sewer piping, 700 service laterals, 6,000LF of sewer force main, 6,000LF of water main and six lift stations. Mr. Uter was an integral part of the design team working on all aspects of the project including: identifying and planning for utility conflicts; layout of manholes, sewer mains and service laterals; strategic location and design of lift stations; sizing of force mains; and prepare design documents including plans, technical specifications, cost estimates and project schedule.		<input type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State) <b>Pollution Control Device, City of Ft. Lauderdale, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2008</b> CONSTRUCTION (If applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager and Design Engineer.</b> Procurement and installation of a CDS vortex type stormwater pollution control device. Elements of the project included: coordinate with FPL and Ft. Lauderdale Water Utilities for the rerouting of electrical duct and water main to facilitate the installation of the device; designed 108"x60" stormwater diversion/weir box to be installed onto an existing 72 inches RCP storm line; and installing an eight (8) feet diameter by 23 feet deep well next to the New River Canal in downtown Ft. Lauderdale.		<input type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State) <b>Public Parking ADA Compliance Project, City of Ft. Lauderdale, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2006</b> CONSTRUCTION (If applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager and Design Engineer.</b> This project was a five (5) surface parking locations pilot project to a larger initiative of making 250 parking locations around the City ADA compliant. Project elements included: regrade/resurfacing of parking lots to meet ADA required slopes; providing ADA correct quantity of parking spaces; create marked access isles and paths; provide detectable warning surfaces; construct or modify sidewalks/access path crosswalks; and provide applicable signage. Out of the pilot project a proposal and project schedule was developed for the remaining 245 facilities.		<input type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State) <b>Palm Beach County Water Utilities Department, CD01 Water Main Improvements, Palm Beach County, Florida</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2017</b> CONSTRUCTION (If applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager and Engineer of Record.</b> Design of Approximately 15,000LF of watermain across 17 sites across Palm Beach County. Project features include acquisition of easements for multiple sites, 6" to 12" pipe sizes, Horizontal Directional Drilling across major County roads, aerial crossing of canal, and permitting through multiple municipalities, FDOT, Lake Worth Drainage District, FDEP and County. The goal being to remove dead-ends and therefore improve hydraulics and water quality in the system. <b>Size: 15,000LF. Cost: \$2.6 Million</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>JAFET TORRES RIVERA, PE</b>	13. ROLE IN THIS CONTRACT <b>CIVIL</b>	14. YEARS EXPERIENCE a. TOTAL <b>13</b> b. WITH CURRENT FIRM <b>1</b>	
15. FIRM NAME AND LOCATION (City and State) <b>CES Consultants, Inc., Pembroke Pines, Florida</b>			
16. EDUCATION (Degree and Specialization) <b>Bachelor of Science in Civil Engineering (BSCE)</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Florida Professional Engineer (PE) 80247; Puerto Rico PE 21163</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <b>10 &amp; 30 Hours OSHA's Training – Occupational Safety and Health; Collage of Engineers and Land Surveyors of Puerto Rico (CIAPR);</b>			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Miami-Dade County Water and Sewer Department Pump Station Improvement Program, FL</b>		PROFESSIONAL SERVICES <b>2017 - Present</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer. Assessment of existing sanitary sewer pump stations and engineering design (civil and mechanical) of pump station replacements. Preparation of construction cost estimates and technical specifications.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>New York Rising Community Reconstruction Program, NY</b>		PROFESSIONAL SERVICES <b>2015 - 2017</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Consultant. Performing independent cost estimates, and cost reasonableness reviews on design proposals. Cost: \$2,000,000,000.00</b>		<input type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Puerto Rico Aqueduct and Sewer Authority Optimization and Water Loss Recovery Program, PR</b>		PROFESSIONAL SERVICES <b>2011-2015</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Specific Role. Hydraulic Manager. Assessment and modeling of water transmission and distribution systems in order to reduce water losses and energy losses in the North Region of Puerto Rico, including 20 cities. Drinking water quality analysis and modeling to reduce water age and formation of disinfection by-products (DBP's), to conform EPA's rules and regulations.</b>		<input type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Municipality of Caguas and Municipality of Humacao, PR – Various Projects</b>		PROFESSIONAL SERVICES <b>2009-2011</b>	CONSTRUCTION (If applicable) <b>2009-2011</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Specific Role. Construction Administrator. Construction supervision on various construction projects, including new buildings, bridges, wastewater sewer systems and street improvements. Review of shop drawings and submittals, answer RFI's, evaluate and recommend construction change orders and applications for payment, attend meetings, procure permits Cost: Range from \$280k to \$3.9M</b>		<input type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Puerto Rico Housing Department, PR</b>		PROFESSIONAL SERVICES <b>2008-2009</b>	CONSTRUCTION (If applicable) <b>2008-2009</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Specific Role. Project (Construction) Director. Serve as construction manager for various housing rehabilitation projects. Cost: \$TBD</b>		<input type="checkbox"/> Check if project performed with current firm	
f. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Puerto Rico Infrastructure Financing Authority, PR</b>		PROFESSIONAL SERVICES <b>2005-2008</b>	CONSTRUCTION (If applicable) <b>2005-2008</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Specific Role. Construction Inspector. Construction inspection on improvements (civil, mechanical and electrical) to the Supreme Court of Puerto Rico, and during construction of a 2 MGD tertiary waste water treatment plant in Utuado, PR. Generate documentation as RFI's, meeting minutes, change order and change directives, and review contractor's applications for payment for approval</b>		<input type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Puerto Rico Infrastructure Financing Authority, PR – Several Water Infrastructure Projects</b>		PROFESSIONAL SERVICES <b>2004-2005</b>	CONSTRUCTION (If applicable) <b>2004-2005</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Specific Role. Master Scheduler. Evaluate construction timeline using management concepts and scheduling tools in order to recommend construction change orders including time extensions on construction contracts, and contractor's payments. Size: TBD. Cost: \$TBD</b>		<input type="checkbox"/> Check if project performed with current firm	

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

<b>12. NAME</b>  <b>SIMON SAINSBURY, PE</b>	<b>13. ROLE IN THIS CONTRACT</b>  <b>CIVIL-ELECTRICAL</b>	<b>14. YEARS EXPERIENCE</b> <table border="1"> <tr> <td data-bbox="1062 176 1252 275">a. TOTAL <b>30</b></td> <td data-bbox="1252 176 1485 275">b. WITH CURRENT FIRM <b>3</b></td> </tr> </table>		a. TOTAL <b>30</b>	b. WITH CURRENT FIRM <b>3</b>
a. TOTAL <b>30</b>	b. WITH CURRENT FIRM <b>3</b>				
<b>15. FIRM NAME AND LOCATION (City and State)</b> CES Consultants, West Palm Beach, Florida					
<b>16. EDUCATION (Degree and Specialization)</b>  B.S., Electrical Engineering, Florida Institute of Technology		<b>17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)</b> Professional Engineer Florida, Electrical			
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)</b>					

## 19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>South Florida Water Management District – Pump Station Tower Grounding Modifications</b>	PROFESSIONAL SERVICES <b>2016-Present</b>	CONSTRUCTION (If applicable)
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <b>Engineer of Record</b> Senior electrical engineer responsible for design of microwave tower grounding systems to protect personnel and equipment in accordance with current TIA/ANSI/EIA grounding standards at Pump Stations G-310, G-335, G-370 and G-372.		
<b>b. (1) TITLE AND LOCATION (City and State)</b>  <b>Lincoln Road Pump Station, West Avenue, City of Miami Beach, Florida</b>	PROFESSIONAL SERVICES <b>2017</b>	CONSTRUCTION (If applicable)
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <b>Engineer of Record</b> Senior electrical engineer responsible for design of Lincoln Road Strom Water Pump Station with three 20,000 GPM pumps, VFDs, Control Panel, RTU/Telemetry and associated electrical equipment		
<b>c. (1) TITLE AND LOCATION (City and State)</b>  <b>Everglades Restoration and Capital Project, West Palm Beach, Florida</b>	PROFESSIONAL SERVICES <b>2010</b>	CONSTRUCTION (If applicable) <b>X</b>
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <b>Engineer of Record</b> Senior electrical engineer responsible for design of STA-1E Pump Station communication equipment improvements to the tower, building electrical and communication system grounding and bonding at Pump Stations S-319, S-361 and S-362		
<b>d. (1) TITLE AND LOCATION (City and State)</b>  <b>Three (3) Pump Ground Storage Tanks, City Water Plant Booster Station, Panama City, Florida</b>	PROFESSIONAL SERVICES <b>2006</b>	CONSTRUCTION (If applicable) <b>X</b>
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> As Senior Engineer, Mr. Sainsbury duties included: PLC Control with HMI and SCADA, On/Off and Speed Control (PID) for three water pumps to maintain city main water pressure using an above ground water storage tank, UL508 Control panel, generator backup, RTU, Ladder logic PLC code, Field debug/startup.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>NADA J. REINBOLD, EI</b>	13. ROLE IN THIS CONTRACT <b>CIVIL/STRUCTURAL</b>	14. YEARS EXPERIENCE a. TOTAL <b>10</b> b. WITH CURRENT FIRM <b>2+</b>	
15. FIRM NAME AND LOCATION (City and State) <b>CES Consultants, Inc., Pembroke Pines, Florida</b>			
16. EDUCATION (Degree and Specialization) <b>Bachelor of Science Civil Engineer, Master of Science in Project Management</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>E.I., North Carolina</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Ocean Outfall Legislation Program (OOL), Miami-Dade County, FL</b>		PROFESSIONAL SERVICES <b>2017</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Civil Designer.</b> Assisted OOL program manager developing a conceptual design plan for the Returned Activated Sludge Pump Stations for Plant 1 and Plant 2 WASH Central District WWTP conceptual design report, upgrading 31 vertical inline pumps and construction of additional 10 new vertical inline pumps and infrastructure supporting the system.			
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Miami-Dade Water and Sewer Department, Pump Station Improvement Program, Miami-Dade County, FL</b>		PROFESSIONAL SERVICES <b>2015-2016</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Project Designer.</b> Developing and setting the design criteria to upgrade Pump Station 0081, meet USEPA Consent Decree Criteria and to obtain a Miami Dade PER permit for the project. The upgrade that will bring project into compliance with the peak flow and Consent Decree regulations, consisting of new 20 HP Submersible Pumps in a new 6-foot wet well.			
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>South Florida Water Management District, A-1 FEB. Palm Beach County, FL</b>		PROFESSIONAL SERVICES <b>2014-2015</b>	CONSTRUCTION (If applicable) <b>2014-2015</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
<b>Engineer During Construction.</b> Reviewed submittals, request for Information and provided recommendations to the EOR concerning acceptability, worked closely with the SFWMD Construction Management Services and the Contractor to ensure the expedition of the construction of the project. Performed daily field observation, and provided construction oversight, report finding of nonconformance to Project Manager. The Everglades Agricultural Area A-1 Flow Equalization Basin (EAA A-1 FEB) is a \$60M construction project, 60,000 acre-ft Flow Equalization Basin heavy civil construction projects, including 20 miles of earthen levee and 14 water control structures.			
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Charlotte-Mecklenburg Capital Improvement Projects Mecklenburg County, NC</b>		PROFESSIONAL SERVICES <b>2007-2009</b>	CONSTRUCTION (If applicable) <b>2009-2010</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
<b>Lead Civil Designer.</b> Provided design assistant on reuse, potable water, and wastewater distribution systems design projects. Provided design capability of a collection system piping with sizes ranging from 2-inch to 78-inch diameter, quantity take-offs, engineering cost estimates, and developed construction documents. Prepared documents for easement acquisition mapping, DOT encroachment, Fast Track application with DENR, USACE 404 permit applications, DWQ 401 permit applications and sediment and erosion control permit applications and permits from the State and Federal agencies to authorize the construction.			
e. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>USAF, Construction Management, Holloman Air Force Base, NW</b>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
<b>Lead Construction Manager.</b> Supervised a 5 personnel team, provided a construction oversight during construction of 12 civil infrastructure projects. The project includes; managed construction activities for a \$1.5M upgrade of communications facility, and a \$3.6M construction project of three Entry Control Facilities to compliance with Anti-Terrorism and Force Protection Measures, and provided construction inspection of a \$290k road realignment project.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>ERIK M. ALCANTARA, EI</b>	<b>CIVIL</b>	a. TOTAL	b. WITH CURRENT FIRM
		3	1
15. FIRM NAME AND LOCATION (City and State)		CES Consultants, Inc. (Miami, Florida)	
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
Bachelor of Science, Civil Engineering, Instituto Tecnológico de Santo Domingo		Florida Registered Engineer Intern, FDOT Intermediate Work Zone Traffic Control Certification , FDEP Qualified Stormwater Management Inspector , FDOT CTQP, Asphalt Paving Technician Level 1, FDOT CTQP, QC Manager Autodesk AutoCAD Civil 3D	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			
Mr. Alcantara serves as the Communications Committee Chair and webmaster for the American Society of Civil Engineers Miami-Dade Branch. He has been an active ASCE member since 2015, serving the Miami-Dade and Broward branches. Additionally, he has served in multiple events and committees, such as the Engineering Encounters Bridge Design Competition and Field Day.			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Miami-Dade County WASD, Pump Station Improvement Program (PSIP), Miami-Dade County, Florida</b>	PROFESSIONAL SERVICES 2016-2017	CONSTRUCTION (If applicable) 2016-2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
As a project engineer, Mr. Alcantara has assisted with the engineering analysis and design services for the inspection, rehabilitation, and design of multiple pump stations for the Miami-Dade County Water and Sewer Department. The Pump Station Improvement Program (PSIP) consists of inspection, design, rehabilitation, and construction of various wastewater pump stations and force mains within Miami-Dade County. The program provides county-wide sanitary and environmental improvements. The pump station projects include PS 0449, PS 0609, PS 0147, PS 0331, PS 0440, and PS 0081. <b>Size: TBD Cost: \$1.5M</b>			
b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Miami-Dade County WASD, Ocean Outfall Legislation Program, Task Authorization #29, Miami-Dade County, Florida</b>	PROFESSIONAL SERVICES 2016-2017	CONSTRUCTION (If applicable) 2016-2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
As a project engineer, Mr. Alcantara is developing a Conceptual Design Report for the projects in the North District transmission and pumping system that are necessary to meet the requirements of the Ocean Outfall Legislation (OOL) Compliance Plan. This CDR includes approximately 21,000 LF of 48-inch diameter force main and approximately 1,500 LF of 36-inch diameter force main. Tasks completed include Data Review and Pipeline Project Analysis. <b>Size: 22,500 LF of sanitary sewer force mains Cost: \$250,000</b>			
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Broward County Water and Wastewater Services (BCWWS), Pump Station 450 Improvements, Lauderdale Lakes, Florida</b>	PROFESSIONAL SERVICES 2016-2017	CONSTRUCTION (If applicable) 2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Project engineer for the construction management services associated with Pump Station 450 Improvements, specifically to provide field observation services and specialty inspections on behalf of the Broward County Building Department. This project includes the installation of line stops, tapping valve/sleeves, temporary bypass pumping system, primary pumps system, jockey pumps system, seal water system, hoisting systems, electrical room motor control center, variable frequency drives, control system, air conditioning and ventilation system, store front door, roll-up door, demolition, and telemetry system. The work includes all associated, site, building, structural, pumping mechanical, building mechanical, electrical and control systems complete, tested, and ready for operation. <b>Size: TBD. Cost: \$250,000</b>			
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>MG3 Developer Group, LLC, Happy Hollow Charter School, Unincorporated Palm Beach County</b>	PROFESSIONAL SERVICES 2015-2016	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Staff engineer for the design of a 2,435-student private charter school located on a 22-acre parcel property north of Atlantic Avenue and west of Florida's Turnpike in unincorporated Palm Beach County. The school will be developed as two (2) schools, a lower school for elementary grades and an upper school for middle and high school students. The amenities for this K-12 charter school include an equestrian trail, tropical fruit grove, soccer field, basketball courts, student garden and secured bicycle storage. Offsite roadway improvements required for the development of the school include, widening of Lyons Road from 2 to 4 lanes divided as well as right and left turn lanes and median openings. Intersection improvements are also included at Happy Hollow Road and Lyons. The project consists of full site civil development including an onsite gravity sanitary sewer system, 4,300 LF of 4" force main and a private lift station (1,200 gpm), 4,900 LF of 8" potable water main, 3,400 LF of 16" water main extension, fire suppression system, 3,500 LF of 20" reclaimed water main, surface water management system, grading, pavement, sidewalks, pavement marking and signage, and SWPPP plans. <b>Size: 22-acre parcel Cost: \$38M</b>			

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>GUSTAVO A. SILVA, EI</b>	13. ROLE IN THIS CONTRACT <b>CIVIL / ROADWAY</b>	14. YEARS EXPERIENCE a. TOTAL <b>4</b> b. WITH CURRENT FIRM <b>2</b>	
15. FIRM NAME AND LOCATION (City and State) <b>CES Consultants, Inc., Coral Gables, FL</b>			
16. EDUCATION (Degree and Specialization)  Bachelor of Science, Civil Engineering, Florida International University		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Florida Registered Engineer Intern, FDOT Temporary Traffic Control Intermediate Certification , FDOT CTQP, Earthwork Technician Level 1, FDOT CTQP, QC Manager, Autodesk AutoCAD Civil 3D	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) Mr. Silva serves as a member of the American Society of Civil Engineers Miami-Dade Branch. He has been an active ASCE member since 2014, serving the Miami-Dade Branch. Additionally, he has served in multiple events, such as the ASCE Steel Bridge Competition (Captain) and Field Day.			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)  <b>E13-WASD-03 Pump Station Improvement Program (PSIP), Miami-Dade County WASD</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2014-2016</b> CONSTRUCTION (If applicable) <b>Ongoing</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As a project engineer, Mr. Silva is providing engineering analysis and design for the rehabilitation and replacement of multiple pump stations for the PSIP (Consent Decree Program). The project is consisting of existing pump station inspection, coordination of survey and geotechnical services, design of pump station rehabilitation or replacement, design of connecting force mains, permitting, and limited construction services. The engineering work includes PS 0449, PS 0147, PS 0331, FM 0592 (24-inch), PS 0440, PS 0336, PS-1026, PS-1065 and PS 0609. <b>Size:</b> Varies <b>Cost:</b> \$1.5M		<input checked="" type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State)  <b>Sanitary Sewer Evaluation Survey (SSES), Miami-Dade County Public School (MDCPS)</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2014-2015</b> CONSTRUCTION (If applicable) <b>2015-2016</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager for the evaluation of sanitary sewer system(s) of 24 county schools. The schools are required to be in accordance with Chapter 24 of the Miami-Dade County Code (MDCC), that each privately and publicly operated sanitary sewer system needs to be evaluated on periodic basis. Each sanitary system should implement a Sanitary Sewer Evaluation Survey (SSES) and if required a rehabilitation program, as stated by the U.S. EPA's Sewer System. The SSES involves a visual inspection, smoke testing the collection system and a flow test on the wet well pump/lift station. <b>Size:</b> Varies <b>Cost:</b> \$500,00		<input type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State)  <b>S.R. 907/Alton Road - 43rd Street to Bascule Bridge No. 870613, Miami Beach, Florida</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2014-2015</b> CONSTRUCTION (If applicable) <b>2017</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager/geotechnical engineer, material testing responsible for improvements along S.R. 907 in Miami Beach. The project includes widening Alton Road in various areas, new traffic signal mast arms, and Stormwater drainage improvements that include temporary sheet piles/helical piles for pump stations. <b>Size:</b> 2.6 Miles <b>Cost:</b> \$1.2M		<input type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State)  <b>Miami-Dade County WASD, Ocean Outfall Legislation Program, Task Authorization #29, Miami-Dade County, Florida</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2015-2016</b> CONSTRUCTION (If applicable) <b>N/A</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As a project engineer, Mr. Silva analysis the pumping station on the North District Water Treatment Plant to determine the capacity of the existing pumps. This project is to eliminate the existing Ocean Outfall from the treatment plant. Tasks completed include Data Review and Pipeline Project Analysis. <b>Size:</b> 1,500 LF of sanitary sewer force mains <b>Cost:</b> \$300,000		<input checked="" type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State)  <b>South Florida Water Management District Culvert Inspections, Miami-Dade County, Broward County and Okeechobee County.</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2016-2017</b> CONSTRUCTION (If applicable) <b>2017</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As a Project Engineer, Mr. Silva supports the South Florida Water Management District (SFWMD) to inspect the removal and/or replacement of multiple aging culvert in the South Florida area. In addition, Mr. Silva assisted in construction service and support with multiple crew within the South Florida Area (Miami-Dade, Broward and Okeechobee). <b>Size:</b> Varies. <b>Cost:</b> \$2.0M		<input checked="" type="checkbox"/> Check if project performed with current firm	

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>ASHRAF IQBAL, EI</b>	13. ROLE IN THIS CONTRACT <b>CIVIL/STRUCTURAL</b>	14. YEARS EXPERIENCE a. TOTAL 12 b. WITH CURRENT FIRM 5	
15. FIRM NAME AND LOCATION (City and State) <b>CES Consultants, Pembroke Pines, Florida</b>			
16. EDUCATION (Degree and Specialization) <b>M.S., Civil Engineering</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>E.I., Florida</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			

## 19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>City of Miramar, Historic Miramar Re-Development, Miramar, Florida</b>	<b>2017</b>	<b>2017</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
Responsible for managing the construction activities of project which entails the installation of water main, in line valves, fire hydrants and water services for the residents in the city of Miramar. Responsible for reviewing and approving contractors shop drawing, method of statement and material submittal. Attending project progress meeting with the client and contractor. Reviewing contractor's payment certificate as per the bill of quantities.		
<b>b. (1) TITLE AND LOCATION (City and State)</b>	<b>(2) YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Broward County Parks, Broward County, Florida</b>	<b>2017</b>	<b>2017</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
Responsible for a condition assessment and code compliance review for an elevated wood deck and associated wood walkway/ramp. Structural engineering services included site visit to observe the existing condition of the deck and walkway/ramp, evaluate for code compliance, identify noncompliant code issues, recommend modifications required for noncompliant issues, and prepare documentation necessary for permitting.		
<b>c. (1) TITLE AND LOCATION (City and State)</b>	<b>(2) YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Broward County Schools, Broward County, Florida</b>	<b>2016</b>	<b>2016</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
Responsible for conducting a visual non-intrusive site inspection, Structural Assessment Report, development of a computer-based structural model for analysis of existing roof capacity, and review of roof safety concerns for areas adjacent to Air-conditioning Rooftop Units 1-5 for replacement with new units.		
<b>d. (1) TITLE AND LOCATION (City and State)</b>	<b>(2) YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Saudi Industrial Property Authority, Saudi Arabia.</b>	<b>2015</b>	<b>2016</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
As an Assistant Resident Engineer, managed supervise the project to be constructed in accordance with the drawings, specification and design. These Industrial city buildings comprise of steel portal frames structures, fire stations, and administration buildings. Responsible for reviewing and approving contractors shop drawings, method of statements, material submittals and design calculations. Also responsible for responding to the RFI'S and & site quarries (structural and architectural).		
<b>e. (1) TITLE AND LOCATION (City and State)</b>	<b>(2) YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Ministry of Education, Saudi Arabia</b>	<b>2014</b>	<b>2015</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
Responsible for overall supervision of 5 schools and multipurpose buildings. Responsibilities include timely inspections of structural and architectural work done by the contractor, coordinating with the project core team for the processing of the shop drawings, monitoring overall progress of the sites, issuing NCR and site instructions to the contractor, quantity surveying for structural and architectural work and client liaisons.		



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
JOSE R. CASTRO, E.I.	STRUCTURAL	2	1
15. FIRM NAME AND LOCATION (City and State)		CES Consultants, Inc. (West Palm Beach, Florida)	
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
B.Sc. Civil Engineering (Instituto Tecnologico de Santo Domingo)		Florida Registered Engineer Intern (FL #110001938)	
M.Eng. Renewable Energy (Institut National des Sciences Appliquées de Rouen)			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			

## 19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	<b>South Florida Water Management District, S-50 Structure Repair &amp; Bank Stabilization Project, Fort Pierce</b>	PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) On going
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Specific Role.</b> Site inspector and assistant project manager for the repair of 126 feet reinforced concrete weir with sheet pile wing walls. The project includes the stabilization of upstream and downstream bank slopes with filter fabric, bedding stone and type B rip rap in a 750 feet section along the C-25 canal, the installation of new sheet pile wing walls on the water side of the existing wing walls, the repair of the downstream scour area with the installation of marine mattresses and rip rap, the construction of a platform mounted stilling well and staff gauge at upstream side of the structure, and the installation of new trash barriers, boat barriers and security signs. The inspections are being made and documented using the SFWMD project manager software: Expedition. <b>Size:</b> 750 LF of canal. <b>Cost:</b> 3,689,000			
b	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	<b>South Florida Water Management District, S-48 Structure Repair &amp; Bank Stabilization Project, Stuart</b>	PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) On going
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Specific Role.</b> Site inspector and assistant project manager for the repair of 113 feet reinforced concrete weir with sheet pile wing walls. The project includes the stabilization of upstream and downstream bank slopes with filter fabric, bedding stone and type B rip rap in a 700 feet section along the C-23 canal, the installation of new sheet pile wing walls on the water side of the existing wing walls, the repair of the downstream scour area with the installation of marine mattresses and rip rap, the construction of a platform mounted stilling well and staff gauge at upstream side of the structure, and the installation of new trash barriers, boat barriers and security signs. The inspections are being made and documented using the SFWMD project manager software: Expedition. <b>Size:</b> 700 LF of canal. <b>Cost:</b> 3,091,804			
c.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	<b>South Florida Water Management District, S-99 Bank Stabilization Project, Fort Pierce</b>	PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) On going
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Specific Role.</b> Site inspector and assistant project manager for an 800 linear feet section bank stabilization in the C-25 Canal. The project includes the stabilization of upstream and downstream bank slopes with filter fabric, bedding stone and type B rip rap on both sides of an 800 feet section by the S-99 gate structure. The inspections are being made and documented using the SFWMD project manager software: Expedition. <b>Size:</b> 800 LF of canal. <b>Cost:</b> 500,000			
d	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	<b>South Florida Water Management District, S-351 and S-354 Lifting Mechanisms for Manatee Protection Barriers, Palm Beach County</b>	PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Specific Role.</b> Site inspector and assistant project manager for the retrofitting of S-351 and S-354 spillways with a steel frame and underhung double girder bridge crane system that houses a 7.5-ton hoist for the manatee grates at each structure. The project also included the replacement of the twine cabling attached to the grates, and the installation of catwalks along each structure to access to the grates. The inspections are being made and documented using the SFWMD project manager software: Expedition. <b>Size:</b> 1896.11 SF of Steel Construction. <b>Cost:</b> 946,800			



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>MIREYA SKEEN</b>	13. ROLE IN THIS CONTRACT <b>CIVIL- CAD</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>31</b>	b. WITH CURRENT FIRM <b>1</b>
15. FIRM NAME AND LOCATION (City and State) <b>CES Consultants, Inc., Pembroke Pines, Florida</b>			
16. EDUCATION (Degree and Specialization) <b>Electrical Engineering Systems Design New York University</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <b>AutoCAD , Microstation</b>			

## 19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>See Project ____ in Section F</b>		
	<b>Miami Dade WASD PSIP - Design of PS 0440, Miami Gardens, FL</b>	PROFESSIONAL SERVICES <b>2015-Ongoing</b>	CONSTRUCTION (If applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided technical support and schematic drawings for the new Pump Station 0440 in accordance with WASD standards The design phase of this project is currently in progress.		<input checked="" type="checkbox"/> Check if project performed with current firm	
	<b>See Project ____ in Section F</b>		
	<b>Miami Dade WASD PSIP, Design of PS 0336, Miami Lakes, FL</b>	PROFESSIONAL SERVICES <b>2016-Ongoing</b>	CONSTRUCTION (If applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided technical support and schematic drawings for the new Pump Station 0336 in accordance with WASD standards The design phase of this project is currently in permitted.		<input checked="" type="checkbox"/> Check if project performed with current firm	
	<b>See Project ____ in Section F</b>		
	<b>Miami Dade WASD PSIP, Design of PS 1026, Miami Lakes, FL</b>	PROFESSIONAL SERVICES <b>2017-Ongoing</b>	CONSTRUCTION (If applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided technical support and schematic drawings for the new Pump Station 1026 in accordance with WASD standards. The design phase of this project is currently in progress.		<input type="checkbox"/> Check if project performed with current firm	
	<b>See Project ____ in Section F</b>		
	<b>Consolidated Rental Car Facility, MIC Miami Intermodal Center, Florida</b>	PROFESSIONAL SERVICES <b>2003</b>	CONSTRUCTION (If applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project CAD Coordinator responsible for technical support in the development of engineering drawings for a 4,000,000sf parking facility intended to consolidate the location of various rental car providers serving Miami International Airport. The facility includes fueling stations, car washing facilities, office spaces, as well as general parking. The work includes the design of HVAC systems, fire protection, plumbing, Electrical, lighting and fire alarm systems, as well as fueling systems for fuel islands.		<input type="checkbox"/> Check if project performed with current firm	
	<b>See Project ____ in Section F</b>		
	<b>Building Renovation: North Campus Building #48 - Broward Community College, Florida (per SREF)</b>	PROFESSIONAL SERVICES <b>2002</b>	CONSTRUCTION (If applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided technical support and schematic drawings for the complete Electrical, mechanical, plumbing and fire protection renovation design for a 30,000sf 3-story facility. Engineering systems included HVAC distribution system (chilled water), fire protection, restroom plumbing, and power distribution.		<input type="checkbox"/> Check if project performed with current firm	

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>MAURICIO PAREDES, PE</b>	13. ROLE IN THIS CONTRACT <b>CIVIL / ROADWAY</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>23</b>	b. WITH CURRENT FIRM <b>5</b>
15. FIRM NAME AND LOCATION (City and State)		<b>WSP USA Inc. (Miami, FL)</b>	
16. EDUCATION (Degree and Specialization) <b>BS, Civil Engineering</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Engineer: FL</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <b>Florida Engineering Society; Florida Stormwater Association</b>			

## 19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>See Project ____ in Section F</b>	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>MDWASD Design Build 48-inch WM at Downtown Miami "The Loop", Miami, FL</b>	<b>Ongoing</b>	<b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Engineer of record for the installation of a forty-eight-inch diameter Water Main Downtown Loop Closure. The project's primary purpose is to provide interconnection of the Hialeah/Preston (north service area) and Alexander Orr (south service area) water transmission systems to form a "loop" closure. WSP will be responsible for the planning, design, permitting and construction services associated with the construction of a new thirty-, thirty-six-, and forty-eight-inch water main. One of the critical challenges the team addressed was working in a highly-urbanized area and in public right of way. Construction in Downtown Miami will be affected by vehicular and pedestrian traffic and will contend with numerous congested utilities occupying the streets and rights-of-way.		
<b>See Project ____ in Section F</b>	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Veterans Drive, Department of Public Works, U.S. Virgin Islands</b>	<b>Ongoing</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead drainage engineer for this roadway widening/reconstruction along the waterfront at Charlotte Amalie on the island of St Thomas. Responsible for directing the design work and coordinating with all disciplines which includes environmental, geotechnical, coastal engineering, traffic engineering, structural, electrical, survey, and architectural/urban design. Also responsible for budget allocation, schedule, meeting coordination, quality assurance/quality control (QA/QC) plan, project implementation plan, progress report, and supervision of technical personnel.		
<b>See Project ____ in Section F</b>	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Port of Miami Intermodal Yard Design-Build, Miami-Dade County, FL</b>	<b>2015</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Design and permitting of track work, lighting, pavement and underground infrastructure including drainage, water distribution and power. The 15-acre cargo transfer facility for Florida East Coast Railway consisted of 9,000 feet (2,743 meters) of new track, a truck circulation road, a loading/unloading apron and security gate to accommodate the loading and unloading of containers between trucks and rail cars. As project manager, his responsibilities included project management, civil engineering design, utility coordination, permitting, shop drawing review, requests for information (RFIs), and contract maintenance.		
<b>See Project ____ in Section F</b>	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Interstate 75 (I-75) Express Lanes Segment E (D-B), Florida Department of Transportation (FDOT) District Four, Broward County, FL</b>	<b>2016</b>	<b>2017</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Roadway engineer of record for the 4.7-mile project that includes four new express lanes connected to three existing reversible express lanes via a new flyover bridge utilizing a concrete box beam design. Work includes performing drainage analysis, updating conceptual permit and coordination structure and pond designs with highway infrastructure features.		
<b>See Project ____ in Section F</b>	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Oceanfront Neighborhood ROW Improvements, City of Miami Beach Capital Improvements Program (CIP), Miami Beach, FL</b>	<b>2008</b>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager for the design of \$1 million in beach access street and infrastructure improvements within a dense urban area known as Middle Beach. The Oceanfront neighborhood encompasses roughly two miles of residential and commercial streets and is located between the Atlantic Ocean and Indian Creek from 23rd Street to 43rd Street. Design features included: streetscaping, pavement resurfacing, drainage structure and pipe replacement, water main extensions and beachfront showers, decorative lighting, signing and pavement markings and ADA-compliance upgrades.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>ANDRES CARDONA, PE</b>	13. ROLE IN THIS CONTRACT <b>ROADWAY/CIVIL</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>19</b>	b. WITH CURRENT FIRM <b>2</b>
15. FIRM NAME AND LOCATION (City and State) <b>WSP USA Inc. (Miami, FL)</b>			
16. EDUCATION (Degree and Specialization) <b>BS, Civil Engineering; Design and Construction of Sheet piles Seminar</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Engineer: FL</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			

## 19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Pump Station No. 9141 and 8-inch Force Main Replacement, Port of Miami, FL</b>	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Project Engineer for the design of upgrades to Port of Miami's Master Pump Station 9141, replacement of approximately 6,000-LF of existing 8-in cast iron pipe force main that connects this pump station to the Miami-Dade Water and Sewer Department's (MDWASD) wastewater collection and transmission system, and a proposed dry force main crossing Biscayne Bay, paralleling the new Port Miami 10-in force main (to serve the future Port Miami Southwest Corner Commercial Development). The replacement force main and dry force main alignments cross the waterway between Dodge Island and the mainland will be to be south of the Bascule Bridge below the Biscayne Bay Bottom using the Horizontal Directional Drilling (HDD) method of construction.			
b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Veterans Drive Improvements, St. Thomas, U.S. Virgin Islands</b>	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Supervising Engineer in charge of the production coordination of the different disciplines. The project consists of resurfacing, reconstruction, and widening of Veterans Drive to a four-lane section. Included in the project are: environmental mitigation, drainage upgrades, signalization, sidewalk/promenade construction, roadway and pedestrian lighting, utility relocation, and landscaping within the corridor.			
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>CNG Program for Central and Coral Way Bus Facilities, Miami-Dade Transit Agency, Miami-Dade County, FL</b>	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Project Engineer for the retrofitting compressed natural gas infrastructure at two existing bus operation and maintenance facilities. The scope includes a new bus fueling and wash facility, a new public fueling station, and demolition of existing bus fuel and wash buildings.			
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Baptist Homestead Hospital, Homestead, FL</b>	PROFESSIONAL SERVICES <b>2007</b>	CONSTRUCTION (If applicable) <b>2007</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Project Engineer in charge of the sanitary system and the water distribution system design and construction administration, together with the permitting process with the environmental agencies and municipalities, for the development of 60 acres including includes the construction of a building of over 800,000 SF and more than 1,300 parking spaces. The project also included a new stormwater management system with retention ponds, a heliport and a playground.			
e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>Coral Gables Sr. High School Sanitary Sewer Connection System, Miami-Dade County Public Schools, Coral Gables, FL</b>	PROFESSIONAL SERVICES <b>2007</b>	CONSTRUCTION (If applicable) <b>2008</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Project Engineer in charge of the permitting and construction administration of the installation of a gravity sewer, the abandonment of the existing septic tanks and the connection to the City of Coral Gables Sanitary Sewer System via a lift station. The lift station included a Telemetry System connected to the City of Coral Gables' Public Works Department.			

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>SARAH AMRITT, PE</b>	13. ROLE IN THIS CONTRACT <b>ROADWAY/CIVIL</b>	14. YEARS EXPERIENCE a. TOTAL 9 b. WITH CURRENT FIRM 1	
15. FIRM NAME AND LOCATION (City and State) WSP USA, Inc. (Miami, FL)			
16. EDUCATION (Degree and Specialization) MS and BS, Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) Certified Florida Stormwater Erosion and Sediment Control Inspector, 2014 (30619); ISI Envision Sustainability Professional, 2018; American Society of Civil Engineers.			

19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b>	(2) YEAR COMPLETED		
<b>D/B Services for Stormwater Pump Station on 19<sup>th</sup> St. between Convention Center and Meridian Ave., Miami Beach FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Deputy Project Manager; prepared paving, grading and drainage plans associated with the KB-52 stormwater pump station at 19 <sup>th</sup> Street, between Meridian Avenue and Convention Center Drive; and grading and drainage plan s& calculations associated with the Botanical Gardens expansion. Ms. Amritt also prepared the stormwater pollution prevention plans, as well as prepared and permitted the temporary dewatering plans/calculations for the construction of the pump station. Permitting for the dewatering plans involved submittals to Miami-Dade DERM Water Control Section, DERM Pollution Remediation Section (PRS) and the Florida Department of Environmental Protection (FDEP).			
b. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b>	(2) YEAR COMPLETED		
<b>Broward College South Campus Science Building, Pembroke Pines, FL</b>	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) 2014	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Project Engineer; developed construction documents in accordance with Broward College, State and County standards construction documents included paving & grading, drainage, water & sewer, and stormwater pollution prevention plans. Additionally, prepared, documented and reported to USGBC for LEED credits associated with site pre-requisites and stormwater quantity & quality. Sarah calculated flood routing/ staging and established site elevations in accordance with FEMA, SFWMD, and South Broward Drainage District.			
c. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b>	(2) YEAR COMPLETED		
<b>Broward College South Campus Stormwater Master Plan, Pembroke Pines, FL</b>	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) 2014	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Project Engineer; developed ICPR model of existing and future campus conditions and provided analysis and prepared update to existing SFWMD Conceptual Master Permit.			
d. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b>	(2) YEAR COMPLETED		
<b>Miami Beach West Avenue Neighborhood Project (North &amp; South), Dewatering Permitting Services, Miami Beach, FL</b>	PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) 2018	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Project Manager responsible for preparing temporary dewatering plans and calculations associated with the installation/construction of utilities for the West Avenue neighborhood project. Project involved permitting thru Miami-Dade DERM Water Control Section, DERM Pollution Remediation Section (PRS) and the Florida Department of Environmental Protection (FDEP) for the temporary drainage wells. Client: Ric-Man Construction Florida.			
e. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b>	(2) YEAR COMPLETED		
<b>Hard Rock Stadium Site Improvements, Miami Gardens, FL</b>	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Project Engineer assisted with paving, grading and drainage design of parking lot drainage improvements, proposed ring road, pedestrian tunnels under ring road, and pedestrian plazas.			

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>WERNER REINEFELD, PE</b>	13. ROLE IN THIS CONTRACT <b>ROADWAY/CIVIL</b>	14. YEARS EXPERIENCE a. TOTAL <b>33</b> b. WITH CURRENT FIRM <b>2</b>	
15. FIRM NAME AND LOCATION (City and State) <b>WSP USA, Inc. (Miami, FL)</b>			
16. EDUCATION (Degree and Specialization) <b>BS, Civil Engineering</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Engineer</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) <b>Envision Sustainable Professional 2016; National Association of Sewer Service Companies (NASSCO)</b>			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b> <b>Miami-Dade Water and Sewer Department (MDWASD) Design Build (D/B) 48-inch Water Main (WM) at Downtown Miami "the Loop", Miami, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>Ongoing</b> CONSTRUCTION (If applicable) <b>Ongoing</b>		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Engineer of record for the installation of a forty-eight-inch diameter Water Main Downtown Loop Closure. The \$7 million project's primary purpose is to provide interconnection of the Hialeah/Preston (north service area) and Alexander Orr (south service area) water transmission systems to form a "loop" closure. WSP is responsible for the planning, design, permitting and construction services associated with the construction of a new thirty-, thirty-six-, and forty-eight-inch water main.		<input type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b> <b>MDWASD 42-inch WM to Port Miami, Miami, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>Ongoing</b> CONSTRUCTION (If applicable) <b>Ongoing</b>		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Deputy Project Manager for the design of a proposed thirty-six -inch Transmission Main that will interconnect with a future thirty-six - inch stub-out (MDWASD's Downtown Loop Project) located at the intersection of Biscayne Boulevard (SR 5 / US-1) and NW 5 <sup>th</sup> Street and PortMiami. The project involves approximately 7,700 feet of transmission pipe. The proposed transmission main takes into consideration future system expansion and improvements identified in the Port of Miami's Master Plan.		<input type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b> <b>D/B Services for Stormwater Pump Station on 19<sup>th</sup> St. between Convention Center and Meridian Ave., Miami Beach FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>Ongoing</b> CONSTRUCTION (If applicable) <b>Ongoing</b>		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Design Engineer for the construction of the 19 <sup>th</sup> Street pump station, a part of the overall plan for a city-wide stormwater improvement system to reduce flooding for residents of Miami Beach, more specifically, for the neighborhoods near the Convention Center. The work comprises of the design, permitting and construction of a new 80 MGD stormwater pump station and ancillary site infrastructure and discharge facilities. Construction-related services also include site preparation, earthwork, dewatering, storm drainage infrastructure installation, parking reconstruction, utility adjustments, landscaping, and seawall modifications on the southside of the Collins Canal between Convention Center Drive and Meridian Avenue.		<input type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b> <b>East Miramar Redevelopment Transmission &amp; Distribution Water Main Improvements Phase III, City of Miramar, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2010</b> CONSTRUCTION (If applicable) <b>2013</b>		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Engineer of record provided engineering design services for the upgrade of approximately seventy-two thousand lineal feet of water mains. the project consisted of upgrading existing undersized two-inch and four-inch residential water mains to a six-inch PVC water main. The effort improved pressure and provide fire protection within the area. Werner worked closely with the client to produce the most technically sound and cost-effective design that incorporated all of the client's requirements and needs.		<input type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b> <b>San Marco Island Road and Drainage Improvements, City of Miami, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES <b>2010</b> CONSTRUCTION (If applicable) <b>2010</b>		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for the roadway design and overall drainage design for San Marco Island. Design responsibilities included basin analysis using the advanced interconnected pond routing (AdiCPR) computer model and regional four-75-HP stormwater pump station design. The drainage system being proposed consisted of a gravity system with a pump station discharging into Biscayne Bay and two injection wells. All runoff was routed to the proposed pump station using a trunk line (thirty-six-inch diameter to forty-two-inch diameter). The computer application Advanced Interconnected Pond Routing (AdiCPR) V. 3.02 Service Pack 9 by Streamline Technologies, Inc. was used to perform the storm routing of the proposed system inclusive of the force main downstream from the pump station. The force main was modeled using rating curves for each segment. This application was utilized to determine the water stages at each of the inlets and manholes, and to verify the maximum outflow velocities at the outflows and maximum heads at the injection wells.		<input type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME  <b>DYLAN LARSON, CEP, PWS, CLI, GTA</b>	13. ROLE IN THIS CONTRACT  <b>CIVIL/ENVIRONMENTAL/LANDSCAPE</b>	14. YEARS EXPERIENCE	
		a. TOTAL  25	b. WITH CURRENT FIRM  24
15. FIRM NAME AND LOCATION (City and State) Miller Legg, Ft. Lauderdale, FL			
16. EDUCATION (Degree and Specialization)  Bachelor of Science, Biology and Business Administration Master of Business Administration		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Wetland Scientist, FL, Certified Landscape Inspector FL, Authorized Gopher Tortoise Agent, Wetland Delineation Certification, Certified Environmental Professional, PADI Certified Rescue Diver	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) As a Principal, Mr. Larson oversees operations and overall project management for the firm. He also has significant experience in environmental consulting in Florida and is responsible for directing studies and investigations on biological and ecological aspects of the firm's projects. Specific environmental responsibilities include: field evaluations, assessments, recommendations and report writing, as well as wetland jurisdictional determination, dredge and fill permitting, wetland mitigation design, mitigation monitoring, recommendations for maintenance procedures, coordination and oversight of environmental GIS applications, and assistance with plan preparations and mitigation.			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)  <b>City of Pembroke Pines West Pines Soccer Park Pembroke Pines, FL</b>		(2) YEAR COMPLETED  PROFESSIONAL SERVICES 2013 CONSTRUCTION (if applicable) 2009	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager: A 56-acre active and passive municipal park located at 196th Avenue and Pines Boulevard in the City of Pembroke Pines. This unique park's features included four soccer fields and one football facility as well as providing other active park elements with passive park facilities such as a boardwalk and 21 acres of wetlands mitigation area. Services provided by Miller Legg included civil engineering, surveying, wetlands mitigation planning, assistance with grant writing, and mitigation construction observation. Permitting was coordinated with US Army Corps of Engineers, Broward County and South Florida Water Management District. Miller Legg worked in concert with several other consultants to deliver this project.		<input type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State)  <b>City of Pembroke Pines Foxcroft Wetlands Mitigation Pembroke Pines, FL</b>		(2) YEAR COMPLETED  PROFESSIONAL SERVICES Ongoing CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal-In-Charge/Project Manager: Foxcroft Wetlands is a mitigation area being constructed by the City of Pembroke Pines in order to offset impacts to wetlands elsewhere in the City, in particular a City parking facility. Miller Legg has been tasked by the City with mitigation monitoring, herbicidal maintenance contractor coordination and observation, and post construction permit compliance for the site. The firm will produce time zero and subsequent quarterly monitoring reports in 2017 and 2018 for submittal to South Florida Water Management District (SFWMD), the Broward County Environmental Protection Department (BCEPD) and the US Army Corps of Engineers (USACE). The reports will document site conditions, survival and growth of installed species and recommend remedial actions if applicable.		<input type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State)  <b>Doral Glades Park Wetlands Monitoring Doral, FL</b>		(2) YEAR COMPLETED  PROFESSIONAL SERVICES Ongoing CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal-In-Charge/Project Manager: Miller Legg is providing environmental services during the course of the development of Doral Glades Park. The wetlands monitoring project involves wetland mitigation, site compliance review and maintenance, contractor observation and oversight, as well as pre- and post-herbicidal contractor review for treatment of invasive/exotic and nuisance plant species. In addition, this project will include the submission of annual Florida Communities Trust (FCT) stewardship reports on behalf of the City. This annual report includes on-site observation of required structures and facilities along with narrative and photo-documentation reporting. The project enables City Park development and programming for the passive environmental education facility.		<input type="checkbox"/> Check if project performed with current firm	



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME <b>JENNIFER SHIPLEY</b>	13. ROLE IN THIS CONTRACT <b>CIVIL/ ENVIRONMENTAL / LANDSCAPE</b>	14. YEARS EXPERIENCE	
		a. TOTAL 16	b. WITH CURRENT FIRM 15
15. FIRM NAME AND LOCATION (City and State) Miller Legg, Ft. Lauderdale, FL			
16. EDUCATION (Degree and Specialization) Bachelor of Arts, Geology		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) FL, FDEP Qualified Stormwater Management Inspector	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) Ms. Shipley is a Senior Environmental Scientist responsible for wetland determination and delineation, wetland mitigation design and monitoring, environmental permitting, threatened and endangered species surveys and assessments, benthic surveys, coral, seagrass, and mangrove surveys and monitoring.			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) <b>City of Fort Lauderdale Mills Pond Park Environmental Construction Observation Fort Lauderdale, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2013 CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Environmental Specialist: Construction observation for a freshwater wetland with tidal influence restoration project in the highly environmentally sensitive area at Mills Pond Park. Services provided included: design, planting plans and details, permitting modifications through Broward County, South Florida Water Management District, US Army Corps of Engineers, bid specification development, construction administration, environmental monitoring, cost estimates, scheduling, sketch and legal descriptions, conservation easement coordination, construction layout, field modifications, agency coordination, outreach program, compliance and post-conservation monitoring to ensure project success.		<input type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) <b>Broward County Parks and Recreation West Lake Park II - Environmental Services Hollywood, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2011 CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Environmental Specialist: Miller Legg was the prime consultant for the permitting and design of enhancements for the second phase of this 1,500-acre estuarine wetland. The firm has provided both environmental and engineering services for necessary mitigation for the Port Everglades and Ft. Lauderdale-Hollywood International Airport expansion projects. Services provided included: paving and drainage improvements for the nature center and associated parking lot, design of three sewage pump stations, water distribution system design, sanitary sewage collection and transmission system design, off-site force main, traffic engineering, surveying, water quality data analysis, hypothesis development and review, sediment analysis, fishery analysis, rip-rap design, benthic macro-invertebrate identification, seagrass survey, mitigation credit determination, and USACE dredge and fill permitting. The seagrass survey was conducted using scuba diving and digital global positioning satellite equipment and included transect/quadrant measurements of seagrass density, abundance, and frequency of occurrence.		<input type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) <b>City of Coral Springs Red Lichen Post Monitoring Coral Springs, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Biologist: Since 2005, Miller Legg has been responsible for a biannual download of hydrological data and maintenance of the existing piezometer at the City of Coral Springs Red Lichen Sanctuary wetland. Data downloaded at the wetland location is then assembled and used in the preparation of a water level hydrograph. In addition general observations of the site and site photographs are collected and submitted.		<input type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) <b>City of Fort Lauderdale Executive Airport (FXE) Parcels B, C &amp; D Environmental Services Fort Lauderdale, FL</b>	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014 CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Environmental Specialist: Miller Legg has been actively involved in the review of the undeveloped but permitted sites for Parcels B, C, and D. The knowledge of these sites is important to understand that the existing undeveloped conditions differ from what has been designed and permitted. Furthermore, the firm's involvement in the review of the permits and subsequent proposals to potentially modify or alter the permits, allows us to know how the drainage characteristics may be affected.		<input type="checkbox"/> Check if project performed with current firm	



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>MICHAEL KROLL, RLA, FASLA</b>	<b>LANDSCAPE/ ROADWAY</b>	a. TOTAL 32	b. WITH CURRENT FIRM 30
15. FIRM NAME AND LOCATION (City and State)		Miller Legg, Ft. Lauderdale, FL	
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
Bachelor of Landscape Architecture, Landscape Architecture Graduate Studies, Urban and Regional Planning		FL, Registered Landscape Architect TX, Registered Landscape Architect	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			
During his extensive career, Mr. Kroll, President of Miller Legg, has been actively involved in projects ranging from campus-wide educational facilities to international urban redevelopment projects. Mr. Kroll's diverse professional experience has led to projects that successfully integrate engineering, environmental, planning and landscape architectural services. Under his leadership, Miller Legg develops project solutions that respond to the natural environment, respect the social fabric and create sustainable aesthetic spaces.			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)	See Project ____ in Section F		(2) YEAR COMPLETED
<b>City of Pembroke Pines Streetscape Design Guidelines Pembroke Pines, FL</b>			PROFESSIONAL SERVICES 2012 CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Principal-In-Charge/Project Manager: Miller Legg worked on the City of Pembroke Pines city wide Streetscape Master Plan which also included the creation of context sensitive design guidelines for the roadway corridors throughout the City including accommodations for mobility. This Master Plan looked at both the corridor segment and intersection component. Corridor segment components included: median plantings, 'Side of Road' (along the right-of-way or street edge) plantings, street trees and specialty plantings. Intersection segment components included: Median nose treatments, crosswalks, expanded pedestrian plazas at the corners, specialty items and icons.			
b. (1) TITLE AND LOCATION (City and State)	See Project ____ in Section F		(2) YEAR COMPLETED
<b>City of Pembroke Pines Taft St. Improvements Pembroke Pines, FL</b>			PROFESSIONAL SERVICES 2016 CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Principal-In-Charge: Miller Legg was on the RJ Behar team for this Taft Street Design Build project for the City of Pembroke Pines. The firm's scope of services was landscape architectural design and post design services and included the development of design and contract documents including plans and specifications. Support during the construction phase with Requests for Information and contractor submittals was also provided.			
c. (1) TITLE AND LOCATION (City and State)	See Project ____ in Section F		(2) YEAR COMPLETED
<b>City of Pembroke Pines West Pines Soccer Park Pembroke Pines, FL</b>			PROFESSIONAL SERVICES 2013 CONSTRUCTION (If applicable) 2009
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Principal-In-Charge: A 56-acre active and passive municipal park located at 196th Avenue and Pines Boulevard in the City of Pembroke Pines. This unique park's features included four soccer fields and one football facility as well as providing other active park elements with passive park facilities such as a boardwalk and 21 acres of wetlands mitigation area. Services provided by Miller Legg included civil engineering, surveying, wetlands mitigation planning, assistance with grant writing, and mitigation construction observation. Permitting was coordinated with US Army Corps of Engineers, Broward County and South Florida Water Management District. Miller Legg worked in concert with several other consultants to deliver this project.			
d. (1) TITLE AND LOCATION (City and State)	See Project ____ in Section F		(2) YEAR COMPLETED
<b>City of Lauderhill Sports Park Lauderhill, FL</b>			PROFESSIONAL SERVICES Ongoing CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Principal/Chief Geotechnical Engineer for site specific subsurface investigation, laboratory soil testing, engineering evaluation and foundation recommendations. The subsurface investigation consisted of six, 75-ft-deep standard penetration tests and three percolation tests.			
e. (1) TITLE AND LOCATION (City and State)	See Project ____ in Section F		(2) YEAR COMPLETED
<b>Florida Department of Transportation District 6 TWO 12 Summerland Key Summerland Key, FL</b>			PROFESSIONAL SERVICES 2017 CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Principal-In-Charge/Project Manager: This task order was provided by Miller Legg under our FDOT District 6 Districtwide landscape architecture contract. Services included preparation of landscape design documents for a 2.5 mile segment of the Florida Keys Overseas Highway (US 1) in Monroe County. These improvements enhanced the landscape of this corridor and responded to the multi-purpose trail adjacent to the US 1 corridor. The enhancements included landscaping of tree, palm and understory species as well as design survey services.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME  <b>BRIAN SHORE, RLA</b>	13. ROLE IN THIS CONTRACT  <b>LANDSCAPE / ROADWAY</b>	14. YEARS EXPERIENCE	
		a. TOTAL  18	b. WITH CURRENT FIRM  18
15. FIRM NAME AND LOCATION (City and State)  Miller Legg, Ft. Lauderdale, FL			
16. EDUCATION (Degree and Specialization)  Bachelor of Science, Landscape Architecture		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)  FL, Registered Landscape Architect FL, FDOT Intermediate Maintenance of Traffic	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)  As a Senior Landscape Architect, Mr. Shore has significant experience in landscape architectural design and landscape construction services for a variety of public and private projects. Specialties include landscape, hardscape, and irrigation design services for streetscape and roadway projects including the Florida Department of Transportation (FDOT), all aspects of active and passive park design, health-care campuses, and environmental wetland habitat creation. Other experience includes various residential and commercial projects.			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>City of Pembroke Pines Taft St. Improvements</b> <b>Pembroke Pines, FL</b>		PROFESSIONAL SERVICES  2016	CONSTRUCTION (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Project Manager: Miller Legg was on the RJ Behar team for this Taft Street Design Build project for the City of Pembroke Pines. The firm's scope of services was landscape architectural design and post design services and included the development of design and contract documents including plans and specifications. Support during the construction phase with Requests for Information and contractor submittals was also provided.		<input type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>Broward College (BC) North Campus Pavers and Shade</b> <b>Davie, FL</b>		PROFESSIONAL SERVICES  2017	CONSTRUCTION (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Principal-In-Charge: Miller Legg was on the RJ Behar team for this Taft Street Design Build project for the City of Pembroke Pines. The firm's scope of services was landscape architectural design and post design services and included the development of design and contract documents including plans and specifications. Support during the construction phase with Requests for Information and contractor submittals was also provided.		<input type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>City of Lauderhill Sports Park</b> <b>Lauderhill, FL</b>		PROFESSIONAL SERVICES  Ongoing	CONSTRUCTION (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Sr. Landscape Architect: The City of Lauderhill is improving the amenities at the 12-acre Lauderhill Sports Park, including the proposed replacement of natural grass with synthetic turf on the baseball field and cricket pitch, conversion of the playground area wood chip surface to synthetic turf, playground shade and football scoreboard replacement, modifications to portions of the fitness trail and the addition of new fitness trail exercise equipment. Miller Legg is providing civil engineering design, stormwater permitting, landscape architecture, irrigation design, preparation of materials and construction specifications and bidding assistance services.		<input type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
<b>City of South Miami Parks and Recreation Master Plan</b> <b>South Miami, FL</b>		PROFESSIONAL SERVICES  2017	CONSTRUCTION (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Sr. Landscape Architect: Miller Legg prepared the first City of South Miami Parks and Recreation Master Plan. The professional services for this Master Plan included comprehensive planning, recreation planning, significant maintenance planning, landscape architecture, and public outreach services. To develop programming, budget, and operational needs for a 10-year horizon, our team researched existing facilities and recreation opportunities, and needs analyses specific to South Miami demographics. Public outreach services included a public online survey, multiple public presentations and workshops.		<input type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME  <b>WILLIAM MOHLER, III, CA, CLJ</b>	13. ROLE IN THIS CONTRACT  <b>LANDSCAPE/CIVIL/ROADWAY</b>	14. YEARS EXPERIENCE	
		a. TOTAL  10	b. WITH CURRENT FIRM  5
15. FIRM NAME AND LOCATION (City and State)  Miller Legg, Ft. Lauderdale, FL			
16. EDUCATION (Degree and Specialization)  Bachelor of Science, Ecology & Biology, Minor in Geography		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) FL , FDEP Qualified Stormwater Management Inspector, FL , FDOT Intermediate Maintenance of Traffic, FL , Certified Landscape Inspector, Advanced Airport Wildlife Hazard Management Certified Arborist, FL , Broward County Basic Tree Pruning	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) Mr. Mohler is experienced in environmental document preparation, ecological monitoring and assessment, compliance monitoring, and geographic information systems (GIS). He has a comprehensive knowledge of Florida floral and faunal communities and their interactions. His training and practical experience includes lab and field experimentation, biological sample collection and monitoring, plant physiology, wildlife, avifaunal surveys, experimental design and implementation, data management, and statistical and numerical analysis. He also is a Certified Arborist.			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b>	(2) YEAR COMPLETED	
	<b>Seminole Tribe of Florida (STOF) Brighton Advanced Mitigation Monitoring Brighton Indian Reservation, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Biologist Miller Legg provided complete vegetation monitoring and reporting as stated by the US Army Corps of Engineers permit conditions for the water resource area 4 and storm water attenuation 4 for the 2018 dry and wet season monitoring event and annual reporting on the Seminole Tribe of Florida (STOF) Big Cypress reservation. Project biologists performed onsite vegetation monitoring and provided expertise in identifying Florida vegetation and wetland indicators.		<input type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b>	(2) YEAR COMPLETED	
	<b>Doral Glades Park Boardwalk and Wetland Preserve Doral, FL</b>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Environmental Specialist: Doral Glades Park is a 25-acre recreational facility for which passive and active elements are planned, including playing fields, community and nature pavilions, fishing pier, walking trail and wetland boardwalk. Miller Legg is involved in the design and construction of the wetlands and boardwalk, using GIS and surface water management support. This Coordination with the City on permit compliance, exotic species removal, native species and maintenance programs; value engineering and design for the boardwalk(s) and pier(s). Developed a Wetland Mitigation Plan including GIS maps and habitat evaluation for placement of the boardwalks in ideal locations within the wetland. Finally, the firm is responsible for the preparation of environmental resource permit (ERP) modification applications for boardwalk and planting in wetland areas.		<input type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b>	(2) YEAR COMPLETED	
	<b>Florida Department of Transportation (FDOT) District 4 SR 820/Pines Blvd. from 196 Ave. to 150 Ave. LA Design and Tree Inventories Pembroke Pines, FL</b>	PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Certified Arborist: For this three-mile 3R project located in western Pembroke Pines from west of I-75, Miller Legg provided design services to enhance the existing corridor. Due to numerous storms/hurricanes and modifications to the corridor, an existing health and criteria review was performed. An inventory and evaluation of over 1,400 trees and palms was conducted to review health and safety criteria. Variance consideration and coordination with the Engineer of Record allowed for a comprehensive design theme to be re-established throughout the corridor. This project was part of a multi-year in-house continuing service contract for FDOT District 4.		<input type="checkbox"/> Check if project performed with current firm	

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

<b>12. NAME</b>  <b>ANTHONY HUDSON</b>	<b>13. ROLE IN THIS CONTRACT</b>  <b>Civil/Landscape</b>	<b>14. YEARS EXPERIENCE</b> <table border="1"> <tr> <td data-bbox="1076 218 1247 302"> <b>a. TOTAL</b>   <b>37</b> </td> <td data-bbox="1247 218 1463 302"> <b>b. WITH CURRENT FIRM</b>   <b>8</b> </td> </tr> </table>		<b>a. TOTAL</b>  <b>37</b>	<b>b. WITH CURRENT FIRM</b>  <b>8</b>		
<b>a. TOTAL</b>  <b>37</b>	<b>b. WITH CURRENT FIRM</b>  <b>8</b>						
<b>15. FIRM NAME AND LOCATION (City and State)</b> Miller Legg, Ft. Lauderdale, FL							
<b>16. EDUCATION (Degree and Specialization)</b> Master of Business Administration, Business and Finance Bachelor of Science, Mechanical Engineering		<b>17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)</b> JA Registered Professional Engineer FL, FDOT Intermediate Maintenance of Traffic					
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)</b> Mr. Hudson is a Construction Specialist for the firm. His experience includes work with both public and private sector projects providing constructability reviews and ensuring that contractor's work is performed in accordance with approved plans, specifications and local standards. In addition, he performs field tests, inspects underground utility installation, reviews as-builts and shop drawings, and resolves resident issues related to neighborhood construction.							
<b>19. RELEVANT PROJECTS</b>							
<b>a. (1) TITLE AND LOCATION (City and State)</b>  <b>City of Coral Springs Municipal Complex Master Plan and Conceptual Design</b> <b>Coral Springs, FL</b>		<b>(2) YEAR COMPLETED</b> <table border="1"> <tr> <td data-bbox="1021 659 1240 743">PROFESSIONAL SERVICES</td> <td data-bbox="1240 659 1463 743">CONSTRUCTION (If applicable)</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)		
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)						
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Construction Inspector: Miller Legg provided assistance with the master planning phase of the new Coral Springs Municipal Complex development, which is part of a larger effort to redevelop the downtown section of Coral Springs. Services provided for this 5-story 70,000 SF City Hall building/4-story 600-space parking garage include: site civil engineering, survey, traffic (vehicular/pedestrian) and utilities infrastructure requirements, site permitting and overall project scope development. Site civil engineering support-related services concerned the surface water management system, canal reconfiguration, vehicular/pedestrian access/connectivity, parking improvements and cost estimates and construction administration. Survey services comprised as-built design, cross-sections and various site design surveys. In addition, community-oriented programming and planning process including meeting attendance was provided.		<input type="checkbox"/> Check if project performed with current firm					
<b>b. (1) TITLE AND LOCATION (City and State)</b>  <b>Pembroke Pines Charter Elementary School Central and East Campus Artificial Turf</b> <b>Pembroke Pines, FL</b>		<b>(2) YEAR COMPLETED</b> <table border="1"> <tr> <td data-bbox="1021 1037 1240 1142">PROFESSIONAL SERVICES</td> <td data-bbox="1240 1037 1463 1142">CONSTRUCTION (If applicable)</td> </tr> <tr> <td data-bbox="1021 1100 1240 1142">2014</td> <td data-bbox="1240 1100 1463 1142"></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2014	
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)						
2014							
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Construction Inspector: Prepared drainage plans, regulatory agency permitting and preparation of final drainage as-builts for the installation of artificial turf and drainage systems at two City of Pembroke Pines Charter Schools.		<input type="checkbox"/> Check if project performed with current firm					
<b>c. (1) TITLE AND LOCATION (City and State)</b>  <b>Las Olas Boulevard Improvements CM at Risk</b> <b>Fort Lauderdale, FL</b>		<b>(2) YEAR COMPLETED</b> <table border="1"> <tr> <td data-bbox="1021 1268 1240 1360">PROFESSIONAL SERVICES</td> <td data-bbox="1240 1268 1463 1360">CONSTRUCTION (If applicable)</td> </tr> <tr> <td data-bbox="1021 1331 1240 1360">Ongoing</td> <td data-bbox="1240 1331 1463 1360"></td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	Ongoing	
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)						
Ongoing							
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Construction Inspector: Miller Legg is providing civil engineering, landscape architecture and constructability preconstruction phase services and document review services for the \$50 million Las Olas Boulevard Improvements project in Fort Lauderdale. The project is a partnership between the City of Ft. Lauderdale and the Beach Community Redevelopment Agency (CRA) that will create a new gateway to Ft. Lauderdale's Beaches. Miller Legg's services include project planning, constructability reviews, attending design and coordination meetings, cost estimating and value engineering. Assistance with the development of maintenance of traffic (MOT) plans for construction phasing is also part of the scope.		<input type="checkbox"/> Check if project performed with current firm					
<b>d. (1) TITLE AND LOCATION (City and State)</b>  <b>City of Miami Design/Build Moore Park</b> <b>Miami, FL</b>		<b>(2) YEAR COMPLETED</b> <table border="1"> <tr> <td data-bbox="1021 1617 1240 1709">PROFESSIONAL SERVICES</td> <td data-bbox="1240 1617 1463 1709">CONSTRUCTION (If applicable)</td> </tr> <tr> <td data-bbox="1021 1667 1240 1709">2014</td> <td data-bbox="1240 1667 1463 1709">2014</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	2014	2014
PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)						
2014	2014						
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Construction Inspector: This design/build project involved the renovation of a portion of the existing Moore Park (original home of the historic Orange Bowl stadium) which included a new LEED Gold community center building and daycare building, new basketball courts, a new park green area with pavilions and the associated pathway and parking/driveway areas. The site is located at the northeast corner of NW 10th Avenue and NW 36th Street in the City of Miami. Services provided by Miller Legg included civil engineering design (including stormwater drainage and sanitary sewer system design), regulatory agency permitting and construction administration services.		<input type="checkbox"/> Check if project performed with current firm					

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME  <b>VANESSA RUIZ, RLA</b>	13. ROLE IN THIS CONTRACT  <b>LANDSCAPE / ROADWAY</b>	14. YEARS EXPERIENCE	
		a. TOTAL  6	b. WITH CURRENT FIRM  4
15. FIRM NAME AND LOCATION (City and State)  Miller Legg, Ft. Lauderdale, FL			
16. EDUCATION (Degree and Specialization)  Bachelor of Arts, English Master of Landscape Architecture, Minor in Urban & Regional Planning		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)  FL, Registered Landscape Architect FL, FDOT Intermediate Maintenance of Traffic	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)  Ms. Ruiz is a Registered Landscape Architect responsible for a variety of public and private landscape architectural design and planning projects including roadway landscaping and irrigation, active and passive park landscape design, residential and commercial projects, as well as master planning projects. She also has an extensive background in GIS data collection and conversion services.			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)  <b>See Project ____ in Section F</b>  <b>Boca Raton Red Reef Park Master Plan Update, Boca Raton, FL</b>	(2) YEAR COMPLETED  PROFESSIONAL SERVICES 2015 CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Landscape Designer: Miller Legg was hired by the Greater Boca Raton Beach and Park District to prepare a revised Master Plan, Report and Recommendations for Red Reef Park, which included the unique Gumbo Limbo Nature Center. The Master Plan addressed the Park's 67 acres of existing facilities, structures, uses and demands, as well as operation and maintenance procedures, and recommended suitable modifications, improvements, enhancements and additional potential uses. In addition, the Master Plan included opinions of probable costs for recommended capital improvements, modifications, repairs, renovations or operational maintenance recommendations.		<input type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State)  <b>See Project ____ in Section F</b>  <b>Broward College (BC) Bailey Hall Civil &amp; Landscape Architecture Improvements, Davie, FL</b>	(2) YEAR COMPLETED  PROFESSIONAL SERVICES 2014 CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Landscape Designer: Miller Legg was responsible for civil engineering and landscape architecture services associated with the revitalization of the pedestrian and landscape areas located adjacent to Broward College Davie Campus Buildings 3, 4, 5 & 6. The project began with the demolition of the existing concrete courtyard area and the installation of pavers between Buildings 3 and 4. Landscaping was also installed in and around those buildings to create an aesthetically pleasing walking environment. Civil engineering services provided include demolition, paving, grading and permitting. Landscape architecture services consisted of hardscape, landscape and irrigation.		<input type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State)  <b>See Project ____ in Section F</b>  <b>Broward College Central Campus Picnic Table Hardscape Master Plan Davie, FL</b>	(2) YEAR COMPLETED  PROFESSIONAL SERVICES 2016 CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Landscape Designer This project includes planning services related to preparation of a Conceptual Hardscape Master Plan at the South Campus, adjacent to the Science Building, which identifies the locations and designs of hardscape landings for placing existing picnic tables. Miller Legg provided conceptual master planning and estimates of probable costs.		<input type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State)  <b>See Project ____ in Section F</b>  <b>Miami Dade Aviation Authority Kendall-Tamiami Executive Airport Buffer Miami, FL</b>	(2) YEAR COMPLETED  PROFESSIONAL SERVICES 2017 CONSTRUCTION (if applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Landscape Designer: Miller Legg prepared full landscape architecture plans and documents in association with the construction of perimeter landscaping of the Miami-Dade Aviation Authority Kendall-Tamiami Executive Airport (TMB). The services provided included base mapping and data gathering – including height restriction mapping and safety & security setbacks, landscape design, irrigation analysis and design (for the entrance landscape treatment only) and assistance with construction document bidding.		<input type="checkbox"/> Check if project performed with current firm	



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>KAREN LYNCH, PSM</b>	<b>SURVEYOR</b>	a. TOTAL	b. WITH CURRENT FIRM
		41	36
15. FIRM NAME AND LOCATION (City and State)		Miller Legg, Ft. Lauderdale, FL	
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
Associates Degree, Liberal Arts		FL, Registered Professional Surveyor & Mapper	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)			
Ms. Lynch has extensive South Florida survey project management experience in a number of different public sector environments such as roadways and streetscapes, educational facilities, parks and recreation, and healthcare and medical office complexes. She also has wide-ranging experience in private sector surveying, including residential projects as well as commercial and industrial facilities.			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>See Project ____ in Section F</b>		
	<b>Memorial Hospital West Southwest Parking Garage</b>	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	<b>Pembroke Pines, FL</b>	2018	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Project Surveyor: Miller Legg is providing site development design and permitting services for a six (6)-story, 1,477-space parking garage on the Memorial Hospital West campus in Pembroke Pines. Services include: survey, SUE, site planning, , landscape architecture and irrigation, on-site water, sewer and drainage engineering, lighting, traffic engineering, arborist and construction administration services. Agencies involved include the City of Pembroke Pines, South Broward Drainage District, South Florida Water Management District, FDOT and Broward County. Prior to design work, a topographic survey and campus utility infrastructure were mapped and coordinated with the owner and architectural design team for this expansion project and the enabling infrastructure improvements for this project at this campus along Flamingo Road in Pembroke Pines.			
b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>See Project ____ in Section F</b>		
	<b>Seminole Tribe of Florida (STOF) Hollywood Hard Rock Hotel and Casino Expansion</b>	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	<b>Hollywood, FL</b>	Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Project Manager: Miller Legg is a member of the Suffolk/Yates JV Team to provide surveying and subsurface utility engineering (SUE) services for major demolition, renovations and expansion to the Hard Rock Hotel and Casino on the Seminole Tribe's Hollywood Reservation. The feature elements include a new iconic 800-room Guitar Hotel and Villas. Improvements will be made at 12 distinct areas. Services include boundary surveys, control surveys, verification of benchmarks, layout and monitoring of columns and grid lines, as-builts, final surveys and SUE. The project is expected to be completed by the summer of 2019 at a cost of \$1.8 billion.			
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>See Project ____ in Section F</b>		
	<b>Miami-Dade Co. Water &amp; Sewer Dept. (WASD) Pump Station Improvement Program (PSIP)</b>	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	<b>No. 0407 Lift Station Survey</b>	2015	
	<b>Miami, FL</b>		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Project Surveyor: Miller Legg carried out surveying work under CES Consultants in association with the demolition of the existing pump station and design of the new pump station 0407 located in Miami. The survey scope of services included sanitary sewer right of way corridor identification, topographic survey, property boundary and legal description, performed to meet Miami-Dade Water and Sewer Department's (WASD) survey requirements. The Pump Station Improvement Program (PSIP) consists of managing the upgrades to the Wastewater Collection and Transmission System that includes sanitary sewer collection system, pump stations and force mains upgrades. The firm provides field utility coordination services as well as field validation of the proposed improvements layout.			
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>See Project ____ in Section F</b>		
	<b>School Board of Broward County (SBBC) Twin Lakes Maintenance Site Diesel Tank #2</b>	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	<b>Oakland Park, FL</b>	2016	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Project Surveyor: The School Board of Broward County required an update of a topographic survey of a portion of its Oakland Park Twin Lakes Maintenance Site to show current conditions in the area of underground fuel tanks. Miller Legg had previously prepared a survey in 2006. Following this, Miller Legg also provided a sketch and description based on the topographic survey to identify the engineering control shown on the site map.			
e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	<b>See Project ____ in Section F</b>		
	<b>City of Miami Little Havana Community Center Surveying</b>	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	<b>Miami, FL</b>	2014	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Project Surveyor: Miller Legg provided a boundary and topographic survey for the City of Miami of the Little Havana Community Center. Based on the legal description, the Miller Legg survey showed aboveground boundary encroachments and evidence of any utilities, interior improvements, the size and description of any trees over 3" caliper, flood zone information, the location and widths of rights-of-way and easements.			



## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>MARTIN ROSSI, PSM</b>	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE a. TOTAL 39 b. WITH CURRENT FIRM 33	
15. FIRM NAME AND LOCATION (City and State)		Miller Legg, Ft. Lauderdale, FL	
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) FL, Registered Professional Surveyor & Mapper	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) Mr. Rossi is a Senior Project Surveyor with more than three decades of surveying and subsurface utility engineering (SUE) experience. His principal areas of experience include surveys such as boundary, topographic, ALTA/ACSM land title surveys, quantity, environmental and wetland, condominium, construction layout, as-built, right-of-way, specific purpose and subdivisions and platting, as well as subsurface utility engineering (SUE). He currently manages the survey department and the survey field crews in South Florida.			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State) <b>City of Pembroke Pines West Pines Soccer Park Pembroke Pines, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2013 CONSTRUCTION (If applicable) 2009	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Surveyor:</b> A 56-acre active and passive municipal park located at 196th Avenue and Pines Boulevard in the City of Pembroke Pines. This unique park's features included four soccer fields and one football facility as well as providing other active park elements with passive park facilities such as a boardwalk and 21 acres of wetlands mitigation area. Services provided by Miller Legg included civil engineering, surveying, wetlands mitigation planning, assistance with grant writing, and mitigation construction observation. Permitting was coordinated with US Army Corps of Engineers, Broward County and South Florida Water Management District. Miller Legg worked in concert with several other consultants to deliver this project.		<input type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State) <b>Memorial Hospital Pembroke Parking Improvements/Tree Inventory Pembroke Pines, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (If applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Surveyor:</b> To improve significant drainage problems at the Memorial Healthcare System's Pembroke Hospital, Miller Legg provided engineering drainage studies and design services for the campus and the associated parking areas. This work included analyzing the drainage system, modeling the drainage system and developing designs for the improvement of the system to reduce flooding issues. The project also included resurfacing the parking areas and design of new curbing for improved drainage. These improvements were permitted through the City of Pembroke Pines, South Broward Drainage District and South Florida Water Management District. Additional services included: surveying, Subsurface Utility Engineering (SUE), maintenance of traffic for public and emergency vehicles, tree inventory and permitting and construction observation. Regarding the tree inventory and permitting, our Certified Arborists conducted a comprehensive tree inventory of all trees located with the footprint of the proposed multi-story parking garage. This contract was performed under our master engineer agreement with Memorial Healthcare System.		<input type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State) <b>City of Coral Springs Municipal Complex Topographical Survey Coral Springs, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (If applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager:</b> In preparation for the development of the new City of Coral Springs Municipal Complex, Miller Legg was retained to prepare a topographic survey to incorporate previously surveyed portions of the property to show 50' elevations as well as storm and sanitary sewer inverts.		<input type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State) <b>City of Coconut Creek Boundary Legal Description Update Coconut Creek, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2013 CONSTRUCTION (If applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager:</b> Miller Legg reviewed the existing City boundary corporate legal description along with ordinance documents for 21 new parcels of land to be incorporated into the existing City limits. Miller Legg then revised the City's corporate legal description to accommodate the new parcels.		<input type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State) <b>City of West Palm Beach Congress Avenue Water Main Relocation West Palm Beach, FL</b>		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2018 CONSTRUCTION (If applicable)	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Surveyor:</b> Miller Legg provided civil engineering, construction administration and surveying services for the City of West Palm Beach for the design and general contractor assistance of a water main relocation project on Congress Avenue at the City's "F" Canal. Relocation of the existing 10" water main was required to accommodate a Palm Beach County (County) Roadway Improvement project, which includes replacement of the existing Congress Avenue "F" Canal Bridge with a double 66" RCP culvert system. The existing 10" water main is attached to the underside of the existing bridge that will be demolished.		<input type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT			
12. NAME <b>TOM MULLIN, P.E.</b>	13. ROLE IN THIS CONTRACT <b>GEOTECH</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>39</b>	b. WITH CURRENT FIRM <b>5</b>
15. FIRM NAME AND LOCATION (City and State)		RADISE International, L.C., Oakland Park, FL	
16. EDUCATION (Degree and Specialization) M.S., Geotechnical Engineering, University of Illinois B.S., Civil Engineering, University of Illinois		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer, Florida No. 43366	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards) Mr. Mullin has managed projects involving transportation, major high-rise towers, commercial buildings, power generating and industrial facilities, as well as landfill projects in Florida, Puerto Rico and the Caribbean. His skills include foundation design and construction, backfilling, test programs, quality control testing procedures and documentation, installation and evaluation of geotechnical monitoring instrumentation, vibration monitoring and pile load testing. He provides quality assurance oversight; CEI documentation; construction surveillance, inspection and testing; and technical peer review.			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b> <b>Broward County Professional Engineering Testing Library of Services Contract</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lopez was the Project Manager for the City's utilities master plan to identify current and impending regulations for flood control and surface water quality, inefficiencies, and operational concerns, as well as future needs and capabilities within the existing water distribution system; wastewater collection, pumping, and transmission system; and stormwater collection and transmission system. The master plan identifies recommended improvements for water, wastewater, and stormwater for the City of Coconut Creek Utility and Engineering Department.		<input type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b> <b>FDOT Districts 4 &amp; 6 Districtwide Materials Testing Construction Support Continuing Contract, Broward and Palm Beach Counties, FL</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal/Chief Geotechnical Engineer for Districtwide Materials Testing Construction Support Continuing Contract, including asphalt inspection.		<input type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b> <b>Wave Street Car, Broward County, FL</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal/Chief Geotechnical Engineer for this design services project for the Wave Modern Streetcar, provided geotechnical engineering services including review and recommendations.		<input type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b> <b>Riva Tower, Broward County, FL</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal/Chief Geotechnical Engineer for site specific subsurface investigation, laboratory soil testing, engineering evaluation and foundation recommendations. The subsurface investigation consisted of six, 75-ft-deep standard penetration tests and three percolation tests.		<input type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b> <b>Parque Towers, Miami Dade County, FL</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal/Chief Geotechnical Engineer for geotechnical field investigation and settlement assessment for the construction of a 27- and a 30-story tower with a 5-level interconnecting podium/parking structure. The purpose of the investigation is to explore subsurface soil conditions at the site, perform foundation engineering analyses and settlement assessments. Provided recommendations for foundation design, construction and site development.		<input type="checkbox"/> Check if project performed with current firm	

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME <b>AKASH BISSOON, P.E.</b>	13. ROLE IN THIS CONTRACT <b>GEOTECHNICAL ENGINEER</b>	14. YEARS EXPERIENCE a. TOTAL <b>14</b> b. WITH CURRENT FIRM <b>5</b>	
15. FIRM NAME AND LOCATION (City and State) <b>RADISE International, L.C., Oakland Park, FL</b>			
16. EDUCATION (Degree and Specialization)  <b>B.S., Civil Engineering, Florida Atlantic University, Boca Raton, Florida</b>		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <b>Professional Engineer, Florida No. 74582; CTQP Quality Control Manager FDOT; CTQP Construction Engineering Inspector Level 2; Florida Department of Environmental Protection Qualified Storm Water Management Inspector, #16155</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)  Mr. Bissoon's experience includes providing geotechnical engineering expertise for a wide range of work involving transportation, high-rise buildings and water-resources related projects. He is skilled in the preparation of specifications for roadway work, storm water management systems and water distribution systems. He is knowledgeable in current ASTM and AASHTO standards applicable materials testing and is skilled at conducting materials investigations through the construction completion-certification stage. He has served as a Geotechnical Engineer on projects for clients including Cities, Counties, FDOT, USACE and SFWMD.			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b>		(2) YEAR COMPLETED	
<b>Broward County Professional Engineering Testing Library of Services Contract</b>		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Geotechnical Engineer</b> for this Contract to provide miscellaneous Professional Engineering Testing Services. The services performed under this contract included geotechnical engineering, materials testing, quality control and inspection services. Testing services included SPT borings, moisture content, specific gravity, sieve analysis, proctors, organic content, Atterberg limits, pavement cores and corrosivity testing.		<input type="checkbox"/> Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b>		(2) YEAR COMPLETED	
<b>Geotechnical Engineering &amp; Materials Testing Continuing Services Contract, FDOT D4/6, Palm Beach, Broward &amp; Miami-Dade Counties, FL</b>		PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Geotechnical Engineer.</b> As Prime Consultant for this ongoing contract, the work includes providing districtwide materials field and lab testing services.		<input type="checkbox"/> Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b>		(2) YEAR COMPLETED	
<b>SR-817 (University Dr., Nova Drive to I-595 Ramp, Broward Co., FL</b>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) <b>2014</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Geotechnical Engineer</b> for a roadway soil survey and structures investigation, testing for drainage features, and mast arm design. Work included provided maintenance of traffic, performing a geotechnical field study and laboratory testing.		<input type="checkbox"/> Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b>		(2) YEAR COMPLETED	
<b>FLL Site Preparation and NAVAIDS Runway 9R-27L, Broward County, FL</b>		PROFESSIONAL SERVICES <b>2014</b>	CONSTRUCTION (If applicable) <b>2015</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Geotechnical Engineer</b> for construction materials testing services for this \$791 million project, as well as inspection and quality control. Performed soils testing for embankment, subgrade, base course and drainage components; concrete monitoring and testing; asphalt monitoring and testing; and vibration monitoring services. Estimated 140 days for sampling and field testing of the earthwork components.		<input type="checkbox"/> Check if project performed with current firm	
e. (1) TITLE AND LOCATION (City and State) <b>See Project ____ in Section F</b>		(2) YEAR COMPLETED	
<b>SR-842 (Broward Boulevard) - Structure Investigation for Bridge Replacement, Broward County, FL</b>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) <b>Ongoing</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Geotechnical Engineer</b> for field exploration/testing and laboratory testing. The project involved the construction of two replacement bridges, resurfacing, restoration and rehabilitation, and the replacement of the substandard barrier wall. Provided a Geotechnical Report for deep foundations describing the field exploration and laboratory testing performed, presented the data obtained, and provided evaluation and recommendations regarding geotechnical aspects of the proposed improvements.		<input type="checkbox"/> Check if project performed with current firm	

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

<b>12. NAME</b> <b>JOSE L. LOPEZ, PE, PMP</b>	<b>13. ROLE IN THIS CONTRACT</b> <b>CIVIL/ENVIRONMENTAL ENGINEERING</b>	<b>14. YEARS EXPERIENCE</b> <table border="1"> <tr> <td data-bbox="1070 212 1252 275">a. TOTAL 33</td> <td data-bbox="1260 212 1485 275">b. WITH CURRENT FIRM 2</td> </tr> </table>		a. TOTAL 33	b. WITH CURRENT FIRM 2
a. TOTAL 33	b. WITH CURRENT FIRM 2				
<b>15. FIRM NAME AND LOCATION (City and State)</b>		Bermello Ajamil & Partners, Inc., Fort Lauderdale, Florida			
<b>16. EDUCATION (Degree and Specialization)</b> Master of Environmental, Florida Atlantic University, 2000; Master of Environmental and Urban Systems, Florida International University, 1984; Bachelor of Civil Engineering (Hydraulics), Universidad Nacional de Buenos Aires, 1980		<b>17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)</b> Registered Professional Engineer, State of Florida, 1987, Reg. No. 39555 Project Manager Professional, 2001, Reg. No. 34108			
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards)</b> Member of Broward County Technical Advisory Committee to the Water Advisory Board & County Commission, Vice-Chair of Broward County Surface Water Coordination Committee, Former ASCE Florida Communication Chair, American Society of Civil Engineers, Former ASCE Broward Branch President					
<b>19. RELEVANT PROJECTS</b>					
<b>a. (1) TITLE AND LOCATION (City and State)</b> <b>City of Coconut Creek Utilities Master Plan*</b> <b>Coconut Creek, Florida</b>	<b>(2) YEAR COMPLETED</b> <table border="1"> <tr> <td data-bbox="1011 636 1243 722">PROFESSIONAL SERVICES 2015</td> <td data-bbox="1252 636 1485 722">CONSTRUCTION (If applicable) N/A</td> </tr> </table>	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) N/A		
PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) N/A				
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Lopez was the Project Manager for the City's utilities master plan to identify current and impending regulations for flood control and surface water quality, inefficiencies, and operational concerns, as well as future needs and capabilities within the existing water distribution system; wastewater collection, pumping, and transmission system; and stormwater collection and transmission system. The master plan identifies recommended improvements for water, wastewater, and stormwater for the City of Coconut Creek Utility and Engineering Department.		<input type="checkbox"/> Check if project performed with current firm			
<b>b. (1) TITLE AND LOCATION (City and State)</b> <b>Town of Medley - Parcel B Lakeside Community Improvements</b> <b>Medley, Florida</b>	<b>(2) YEAR COMPLETED</b> <table border="1"> <tr> <td data-bbox="1011 882 1243 968">PROFESSIONAL SERVICES 04/2017</td> <td data-bbox="1252 882 1485 968">CONSTRUCTION (If applicable) 09/2017</td> </tr> </table>	PROFESSIONAL SERVICES 04/2017	CONSTRUCTION (If applicable) 09/2017		
PROFESSIONAL SERVICES 04/2017	CONSTRUCTION (If applicable) 09/2017				
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Civil Engineer. B&A was responsible for the permitting and the design and preparation of construction documents for site improvements associated with the Lakeside Park in the Town of Medley. Engineering services included the design of site grading, storm sewer, erosion control and wetland mitigation for approval by SFWMD, FDEP, USCOE and other local regulatory agencies.		<input type="checkbox"/> Check if project performed with current firm			
<b>c. (1) TITLE AND LOCATION (City and State)</b> <b>Broward County Initiative for Stormwater Improvements*</b> <b>South Florida Water Management District, Florida</b>	<b>(2) YEAR COMPLETED</b> <table border="1"> <tr> <td data-bbox="1011 1102 1243 1188">PROFESSIONAL SERVICES 2011</td> <td data-bbox="1252 1102 1485 1188">CONSTRUCTION (If applicable) 2011</td> </tr> </table>	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2011		
PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2011				
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Lopez managed a combination of Broward County stormwater projects with the main objective to reduce stormwater runoff and to provide hydrologic and water quality improvements to meet federal and state water quality requirements. Most of the project components included retrofitting existing stormwater systems, restoring flow to natural systems that supply water to our aquifers, creating stormwater retention, detention, and filter marshes to remove impurities going to the canals and streams and to improve the hydrology associated with freshwater flows to the estuaries, restoring the natural systems of our estuaries to improve shellfish and fish habitat, and associated resource monitoring and assessment. These projects, all part of the Broward County Initiative Stormwater Improvements were implemented through cooperative partnerships with federal, state, county, and city governments, universities, and nonprofit organizations.		<input type="checkbox"/> Check if project performed with current firm			
<b>d. (1) TITLE AND LOCATION (City and State)</b> <b>Water Main Replacement Program: Pembroke Road to Hollywood Blvd. from South 21st Avenue to US-1</b> <b>Hollywood, FL</b>	<b>(2) YEAR COMPLETED</b> <table border="1"> <tr> <td data-bbox="1011 1409 1243 1520">PROFESSIONAL SERVICES 2017</td> <td data-bbox="1252 1409 1485 1520">CONSTRUCTION (If applicable) 2017</td> </tr> </table>	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017		
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017				
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Lopez was the Project Manager and Engineer of Record for this project. Mr. Lopez provided professional civil engineering services for the design and preparation of construction documents, regulatory assistance, bid and award assistance, and construction phase services for the installation of approximately 27,736 linear feet (5.3 miles) of principal roads and 30,435 linear feet (5.8 miles) of alleyway, for an estimated total of 58,171 linear feet of water mains, service stub-outs, and fire hydrants.		<input type="checkbox"/> Check if project performed with current firm			
<b>e. (1) TITLE AND LOCATION (City and State)</b> <b>Deerfield Island Water Line Expansion</b> <b>Deerfield Beach, Florida</b>	<b>(2) YEAR COMPLETED</b> <table border="1"> <tr> <td data-bbox="1011 1686 1243 1772">PROFESSIONAL SERVICES 2017</td> <td data-bbox="1252 1686 1485 1772">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing		
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing				
<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Lopez was responsible for the civil engineering design and permitting services to provide a dedicated fire line from Riverview Road to Deerfield Island Park in Deerfield Beach FL. The project involved directional drilling under the Hillsboro Canal to the island for an 8" fire line and a 3" potable water line in the same drilled path.		<input type="checkbox"/> Check if project performed with current firm			

## F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

20. EXAMPLE PROJECT KEY NUMBER			1	
21. TITLE AND LOCATION (City and State) <b>East Miramar Water Main Improvements Phase III, City of Miramar, FL</b>			22. YEAR COMPLETED	
			PROFESSIONAL SERVICES 2009	CONSTRUCTION (if applicable) 9/2018
23. PROJECT OWNER'S INFORMATION				
a. PROJECT OWNER City of Miramar Department of Operational Services	b. POINT OF CONTACT NAME Robin Bain, PE	c. POINT OF CONTACT TELEPHONE NUMBER 954-883-6825		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)				

### Project Overview

The City of Miramar, in an effort to provide its residents with the best water service, identified sectors of the city requiring upgrades to the existing water mains as part of the East Miramar Redevelopment Transmission & Distribution Water Main Project. The deficiencies identified in these areas included inadequate fire protection, low service pressures, and an aging infrastructure.

### Scope of Work

CES was contracted to design approximately **75,000 L.F. of 6-inch water main** and provide other design services for the City of Miramar, including a directionally drilled 8-inch Ductile Iron Pipe section of 120 L.F. main on this \$9M project. The new design improved fire protection for the City's neighborhoods, which were at the time serviced by 2-inch and 4-inch water mains. CES was also tasked with locating fire hydrants to be connected to existing water mains with a diameter of 6 inches or greater. Upon construction, the end result will give residents essential fire protection, increased water flow in the City, and better water pressure to homes and businesses in the area. The project is bound by Pembroke Rd., the Florida Turnpike, University Drive, and SW 68th Avenue. CES provided Construction Services for the initial Phase III of 15,000 linear feet of pipe construction and completing the remaining phases of the project.

The CES design team maintained constant communication with the client to discuss the project's progress and ensure the client's expectations were met.

#### Services Provided:

- Route Analysis
- Design and Plans Preparation
- Development of Contract Specifications
- Water Master Plan for Project Area
- Striping & Pavement Marking Inventory
- Existing Utilities & Future Project Coordination
- Permitting
- Construction Phase Services

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	CES Consultants, Inc	Pembroke Pines, FL	Prime
b.			

STANDARD FORM 330 (REV. 8/2016) • PAGE 54

## F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

20. EXAMPLE PROJECT KEY NUMBER		2	
21. TITLE AND LOCATION (City and State)  <b>Pump Station Improvement Program Design</b> Miami-Dade Water and Sewer Department, FL		22. YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Ongoing
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Miami-Dade County Water & Sewer Dept. – PSIP Team	b. POINT OF CONTACT NAME Reinaldo J. Rivera, PE	c. POINT OF CONTACT TELEPHONE NUMBER 305-446-7450	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)			

### Project Overview

The Miami-Dade County Water and Sewer Department (WASD), in an effort to comply with the 2013 Consent Decree and improve operation its wastewater collection system to achieve compliance, established the Pump Station Improvement Program (PSIP). Under this program, WASD will repair or replace over 140 existing and non-compliant wastewater pump stations. The improvements vary from pump upgrades to complete pump station and force main upgrades.

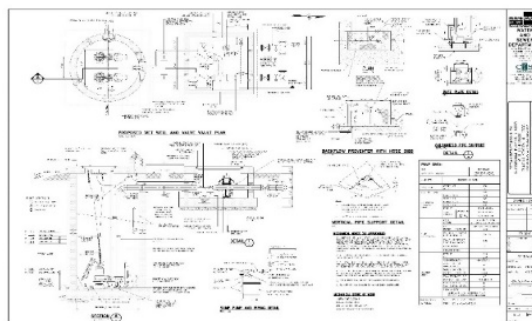


### Scope of Work

CES is one of the design consultants selected to analyze and design the improvements to the non-compliant pump stations. *CES is designing improvements for over twenty (20) pump stations and connecting force mains.* Our team provides full design services, which includes surveying, geotechnical engineering, civil engineering, mechanical engineering, structural engineering, and electrical engineering. The main complexities of these projects and designs are the accelerated schedules required to meet the Consent Decree schedules. The aggressive schedule requires efficient project management and effective project controls.

CES is providing the following services:

- Topographic and Utility Survey
- Geotechnical Investigations
- Utility Coordination
- Design Services – pump sizing, electrical, structural
- Permitting
- Project Management
- Construction Management



	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	CES Consultants, Inc	Pembroke Pines, FL	Prime
b.			



## F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

20. EXAMPLE PROJECT KEY NUMBER		3	
21. TITLE AND LOCATION (City and State)  Town of Medley- Parcel B Lakeside Medley, Florida		22. YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION (if applicable) 2017
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER  Town of Medley	b. POINT OF CONTACT NAME  Jorge Corzo, PE		c. POINT OF CONTACT TELEPHONE NUMBER  305.887.9542
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)			



### Project Overview

B&A was responsible for the permitting, design, and preparation of construction documents for site improvements associated with the Lakeside Park in the Town of Medley. Engineering services included the design of site grading, storm sewer, erosion control and wetland mitigation for approval by SFWMD, FDEP, USCOE and other local regulatory agencies.

Design services also included the demolition and soil removal plans within the design of additional parking spaces including handicapped spaces and sidewalks to meet ADA requirements, fence relocation, lighting, security cameras, landscaping, traffic study and circulation improvements. Building improvements also included structural evaluation of the building and interior design. B&A was also responsible for the preparation of an architectural master plan for a Health Related Facility to be contracted as a design/build project by the Town or Medley.

## 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Bermello Ajamil	Ft. Lauderdale, FL	Prime

## F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT			
20. EXAMPLE PROJECT KEY NUMBER		4	
21. TITLE AND LOCATION (City and State)  Riviera Beach Marina District South Palm Beach County, FL		22. YEAR COMPLETED	
		PROFESSIONAL SERVICES 2012	CONSTRUCTION (if applicable) 2014
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER City of Riviera Beach Community Redevelopment Assoc. Client: Calvin Giordano & Associates	b. POINT OF CONTACT NAME  Mr. David Stambaugh, PE, Director, Calvin Giordano & Associates		c. POINT OF CONTACT TELEPHONE NUMBER  (561) 681-5271
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)			

### Project Overview

The Marina District South Project involved the new construction of a Bicentennial Park, Boardwalk Promenade, new streets and sidewalks, extensive utility improvements, surface parking for up to 700 vehicles, 5 feet of site fill, a seawall/retaining wall along the docks, and the construction of a new Marina Events Center consisting of a 25,000-square foot, two and three-story building. The new development will involve the removal of all of the existing structures, and sequencing of construction to redevelop the Marina area.

RADISE provided Geotechnical and Environmental Engineering including laboratory testing. Services provided included environmental drilling and testing, standard penetration test (SPT) borings, auger borings, asphalt pavement coring and assessment, field permeability testing and open-hole exfiltration tests. Geotechnical laboratory testing of soil samples included performing moisture content testing, organic contents, mechanical grain size analysis, Atterberg limits, and corrosivity testing.

RADISE was also involved with providing oversight and review of multiple ESA I and ESA II and asbestos and lead paint surveys for the numerous structures on site.

Prepared a Geotechnical Report to include foundation design and construction recommendations for the entire development to include the new Marina Events Center, all pavilion and park structures, tank structure relocations, parking, utilities, roadway improvements and retaining walls.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	RADISE International, LC	Riviera Beach, FL	Geotechnical and Environmental Engineering, and Field/Lab Testing Services

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		
<b>20. EXAMPLE PROJECT KEY NUMBER</b>		<b>5</b>
21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED
<b>Stanahan High Pool Deck</b> Ft. Lauderdale, FL		PROFESSIONAL SERVICES <b>2016</b>
		CONSTRUCTION (if applicable) <b>Ongoing</b>
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
School Board of Broward County	Gregory T. Boardman	(754) 321-1522 gregory.boardman@browardschools.com
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		

### Project Overview

CES was retained by the SBBC to provide engineering services concerning demolition and replacement of the existing 14,500 square foot pool deck, consistent with the Building Code, SBBC requirements, and regulatory permitting, a built-in pool deck bench approximately 75 linear feet, replacement of pool filtration piping, and new stormwater disposal drain system for the deck.

The original project scope of work included demolition and replacement of the existing pool deck, built-in pool deck bench, control and expansion joints, and sleeves and inserts for pool-related mounted equipment. Subsequent to submittal of the project design documents, and review by SBBC staff, further improvements were requested by the SBBC that required additional civil, structural, and aquatic engineering specialist services. The additional project work included:

Replacement of pool deck drain piping, drains inlets and covers, and cleanouts

- New drainage system for the pool deck stormwater management
- Replacement of pool drain covers with VGBA compliant covers
- Removal of existing underwater lights and cans, and closure of openings
- Replacement of pool suction/return piping to connection points for mechanical systems
- Site survey and conducting soil percolations tests

**Fees: \$50,692.79**



### Summary of Project Scope and Construction Delivery Method

CES is providing design services, and limited services during construction. The SBBC will engage and administer a construction contractor for the project.

### Initial and Final Construction Cost

CES is providing only design services, and limited services during construction, cost estimating services were not required by the SBBC.

### Change Order Percentage by Type, Including Errors and Omissions

The project has not proceeded to construction at this time.

### Planned Design Schedule versus Actual Design Schedule

The project was completed on schedule, however, the planned project schedule was extended due to additional services requested by the SBBC for additional pool deck facilities.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)
a.	CES Consultants	Miami Lakes, FL
		(3) ROLE
		Prime

## F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

20. EXAMPLE PROJECT KEY NUMBER		6	
21. TITLE AND LOCATION (City and State)  <b>Slavin Maintenance Building Column Repair</b>  Ft. Lauderdale, FL		22. YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
		2016	2017
23. PROJECT OWNER’S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
Broward County Highway Construction	Martin Gross, PE	(954) 370-3810 mgross@broward.org	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)			

### Project Overview

CES was retained by the County to conduct a condition assessment, and design of repairs for the Slavin Maintenance Building where one of the existing interior columns was significantly damaged in July 2016. The Maintenance Building is, based on initial site observations, a concrete block building with reinforced concrete columns and beams, with a double "tee" precast concrete roof. It was apparent the building has undergone structural renovations since its initial construction sometime before 1970. Limited drawings and information was available concerning the design or construction of the current column and roof system. The round reinforced concrete column and the two connecting precast concrete roof support beams were displaced, and were supported with temporary structural shoring. The column was displaced approximately 6 to 7 inches vertically and horizontally, with a corresponding downward vertical displacement of the two roof support beams and connecting double tee roof elements.

The building is used for storage of equipment and materials for the Park. The County required repairs to the damage by repair or replacement of the column, re-align the displaced roof support beams, and restore the double tee roof elements to the original elevation and alignment. CES is providing the following services for the project.

Fees: \$21,35.36



- Conducted a site visit to observe the damage to the existing column and roof support beams and associated structural elements, and reviewed available documentation
- Designed for replacement of the damaged structural column, re-alignment of the roof support beams
- Prepared Construction Documents, drawings and technical specifications, for bidding of the work by the County, and an Engineer's Opinion of Probable Construction Costs (EOPCC)
- Provide assistance during permitting and construction

## 25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	CES Consultants	Miami Lakes, FL	Prime



## F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

## 20. EXAMPLE PROJECT KEY NUMBER

7

## 21. TITLE AND LOCATION (City and State)

**City of Pembroke Pines West Pines Soccer Park  
Pembroke Pines, FL**

## 22. YEAR COMPLETED

PROFESSIONAL  
SERVICES

2013

CONSTRUCTION  
(if applicable)

2009

## 23. PROJECT OWNER'S INFORMATION

## a. PROJECT OWNER

City of Pembroke Pines West Pines Soccer Park  
Pembroke Pines, FL

## b. POINT OF CONTACT NAME

Steven Buckland

## c. POINT OF CONTACT TELEPHONE NUMBER

(954) 518-9107

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



## Project Overview

A 56-acre active and passive municipal park located at 196th Avenue and Pines Boulevard in the City of Pembroke Pines. This unique park's features include four soccer fields and a football field as well as other active park elements with passive park facilities such as a boardwalk and 21 acres of wetlands mitigation area. Services provided by Miller Legg included civil engineering, surveying, assistance with grant writing, grant compliance coordination, assistance leading to 100% contribution for land acquisition, wetlands mitigation planning, and mitigation construction observation.

Permitting was coordinated with US Army Corps of Engineers, Broward County and South Florida Water Management District. The wetlands were designed to preserve forested tree islands while introducing a central slough with adjoining emergent marsh system where it was previously dominated by exotic vegetative species. Now, two (2) boardwalk and viewing areas allow the public to access the area to view the thriving ecosystem and extensive wildlife usage.



	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Miller Legg	Ft. Lauderdale, FL	Environmental
b.			

## F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

## 20. EXAMPLE PROJECT KEY NUMBER

8

21. TITLE AND LOCATION (City and State)

**City of Pembroke Pines Taft St. Improvements**  
**Pembroke Pines, FL**

22. YEAR COMPLETED

PROFESSIONAL  
SERVICES

2016

CONSTRUCTION  
(if applicable)

## 23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

City of Pembroke Pines West Pines Soccer Park  
 Pembroke Pines, FL

b. POINT OF CONTACT NAME

Steven Buckland

c. POINT OF CONTACT TELEPHONE NUMBER

(954) 518-9107

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



## Project Overview

Miller Legg was on the RJ Behar team for this Taft Street Design Build project for the City of Pembroke Pines. The firm's scope of services was landscape architectural design and post design services and included the development of design and contract documents including plans and specifications. Support during the construction phase with Requests for Information and contractor submittals was also provided.



	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Miller Legg	Ft. Lauderdale, FL	Landscape Architecture
b.			



## F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

## 20. EXAMPLE PROJECT KEY NUMBER

9

## 21. TITLE AND LOCATION (City and State)

**SR-5/US-1/Brickell Avenue/Biscayne Blvd. Way from North of SE 5th Street to South of SE 2nd Street**  
Miami, FL

## 22. YEAR COMPLETED

PROFESSIONAL  
SERVICESCONSTRUCTION  
(if applicable)

2015

2016

## 23. PROJECT OWNER'S INFORMATION

## a. PROJECT OWNER

Florida Department of Transportation

## b. POINT OF CONTACT NAME

Eithel Sierra, PE (APTCE PM)

## c. POINT OF CONTACT TELEPHONE NUMBER

305.593.1594

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

### Project Overview

WSP was retained by the Florida Department of Transportation (FDOT) District Six to provide engineering services for the develop of contract plans and specifications for safety and RRR improvements along SR-5/US-1/Brickell Avenue/Biscayne Blvd. Way from North of SE 5th Street (MP 10.405) to South of SE 2nd Street (MP 10.816). The project is a roadway widening, new drainage system with ponds, and construction of new bridge. The scope of work includes final design and development of plans to update all sub-standard ground mounted signs to comply with the latest edition of MUTCD and the FDOT Traffic Engineering Manual; and replace and upgrade all pavement markings per the latest Design Standards.

WSP is responsible for completing all necessary analysis and developing plans for installation of the proposed signing and pavement marking improvements associated with the project. As part of the services, guide sign details are to be provided for proposed special signage. The total length of the project is 0.411 miles.

**Relevance:** Drainage Design, Modeling, Permitting, Highway Design, Design, Lighting Design, ITS Design, Structural Design, Signage

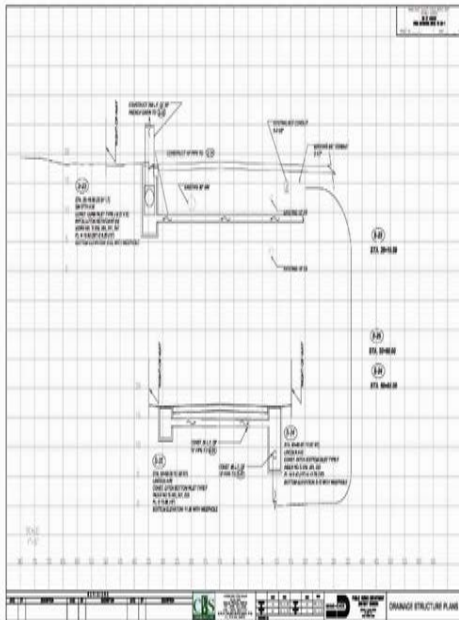
	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	WSP USA Inc.	Miami, FL	Subconsultant: Roadway / Civil Engineering
b.			

## F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

20. EXAMPLE PROJECT KEY NUMBER		10	
21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
MDPWD SW 27th Avenue Roadway Reconstruction		2009	2011
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
Miami-Dade County Public Works Department	Favio Laverde, P.E.	305-594-0735	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)			

### Project Overview

CES provided engineering analysis and storm water drainage design for a closed storm water management system of approximately 0.75 mile along SW 27<sup>th</sup> Avenue from US-1 to Bay Shore Drive. The purpose of the project is to improve traffic via roadway widening, median installations, redesigns of intersections, and improvements to drainage, parking, lighting, signalization, and landscaping in the Coconut Grove neighborhood of the City of Miami. Land use is a combination of residential and commercial. Since the roadway is part of an older, well established neighborhood, many different utilities are installed within the Right-of-Way. The project corridor includes a 30-inch water main and smaller water main, as well as gas, multiple fiber-optic cable duct banks, sanitary sewers, and force mains. Other complicating factors in the design include low grade elevation and a high groundwater table at the southern end of the project, which is adjacent to Biscayne Bay; higher elevations in the mid-section; and 'normal' elevations around the northern end.



### Scope of Work

The proposed drainage design has been developed in accordance with guidelines set forth by the County and by the Florida Department of Transportation. The design consists of approximately 70 structures, as well as 3,000 LF of piping and 2,000 LF of French drains divided into eight (8) independent, closed systems. By creating independent systems, CES has been able to develop a design that satisfies the requirements while also securing significant cost savings to the client compared to the traditional approach used to create interdependent systems.

### Services Provided:

- ✓ Drainage Design
- ✓ Hydraulic Analysis
- ✓ Permitting
- ✓ Interagency Coordination

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	CES Consultants, Inc	Pembroke Pines, FL	Prime
b.			

**G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS**

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "●" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Rudy M. Ortiz, PE, CGC	Principal in Charge	●	●			●	●				●
David Hoot, PE	Project Manager	●	●								
Ranthus Fouch, PE	QA / QC	●	●			●	●				
Erik Alcantara, EI	Civil & Environmental		●			●					
Jose Caraballo, PE	Civil & Environmental	●	●					●			
Gustavo Silva, EI	Civil & Environmental	●	●								
Ashraf Iqbal, EI	Structural	●					●				
Dylan Larson, CEP	Civil /Landscape Architecture							●			
Michael Kroll, RLA	Landscape Architecture								●		
Brian Shore, RLA	Landscape Architecture								●		
Martin Rossi, PSM	Land Surveying							●			
Jose Lopez, PMP	Civil & Environmental			●							

**29. EXAMPLE PROJECTS KEY**

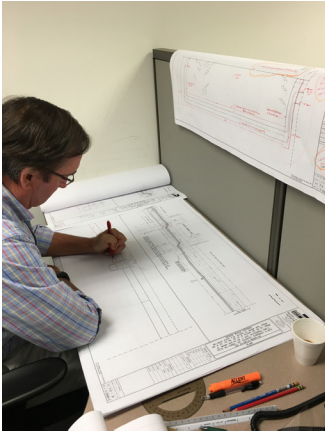
NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	East Miramar Water Main Improvements Phase III	6	Slavin Maintenance Building Column Repair
2	Pump Station Improvement Program Design	7	City of Pembroke Pines West Pines Soccer Park
3	Town of Medley – Parcel B Lakeside	8	City of Pembroke Pines Tart St. Improvements
4	Riviera Beach Marina District South	9	SR-5/US-1/Brickell Avenue/Biscayne Blvd. Way
5	Stranhan High Pool Deck	10	MDPWD SW 27 <sup>th</sup> Avenue Roadway Reconstruction

## H. ADDITIONAL INFORMATION

# FIRM OVERVIEW



CES CONSULTANTS, INC. (CES) is a full-service engineering firm founded in 2001. The firm, which is minority-owned, provides professional engineering services to municipal and private sector clients. Since the firm's inception, CES personnel have been involved in some of the largest infrastructure improvement projects in Florida. The company's professional staff has experience in the areas of Civil Engineering, Water & Wastewater Design, Roadway, Grading and Drainage Design, Structural Engineering, Mechanical and Electrical Engineering, Program Management, Construction Management, Project Control, Cost Control, Estimating, Inspection Services, Permitting Services, QA/QC, Primavera Scheduling, and Owner Representation.



Our company is comprised of a team of approximately 100 professionals who have worked together on a variety of successful projects, amassing a consistent and proven record of excellent performance. Not only does CES bring clients' plans to life, but it also exceeds their expectations. In the public arena, the firm provides ongoing municipal engineering and construction services for many communities and agencies: Miami-Dade County Aviation Department, Miami-Dade County Water & Sewer Department, Miami-Dade County Public Works Department, City of Miami Beach, City of Miramar, City of Homestead, City of Ft. Lauderdale, South Florida Water Management District, Broward County Housing Authority, and the Town of Palm Beach, among others.

To date, the company has helped many clients navigate the complex study and approval processes that must be completed prior to the design and construction of small-and-large-scale municipal, county, state, federal and private improvement projects and developments. Its consistent on-time, on-budget delivery of projects has enabled CES to retain its client pool and receive repeat business and grow/graduate beyond the Small Business Enterprise programs.



CES recognizes the importance of teamwork, always open to utilizing the services of specialty consultants such as ecologists, biologists, environmental remediation experts, or others as each unique project requires. The company's extensive experience with the relevant regulatory agencies enables it to obtain permits efficiently and effectively.

CES offices are currently located in Miami, Pembroke Pines, West Palm Beach and Jacksonville, Florida as well as New York City and soon to be the Tampa Bay Area.

Typical services include the following:

### Civil Engineering

CES has full in-house capabilities to provide civil engineering services, infrastructure and utility design, construction observation, and construction management services for a variety of public and private projects for multi-use and single-purpose and/or community improvement developments. CES has participated in important infrastructure projects for numerous governmental agencies, including Miami-Dade Water and Sewer Department, City of Orlando, Broward County, JEA, City of Miami Beach, the City of Miramar, the South Florida Water Management District, the Florida Department of Transportation, and others. The CES Staff has extensive experience in the design and construction administration of water and sewer utility projects ranging from 6"- to 96"-diameter piping networks, pump stations, master planning and drainage modeling. Our professional staff also brings considerable experience with roadway improvements, site development, parks and recreational facilities, stormwater management improvements, airport-related projects, program management, and commercial and industrial facilities.

The company furnishes services ranging from Feasibility Studies and Preliminary Engineering Reports to Design and Construction Management.

## Structural Engineering

CES staff has provided structural engineering services on numerous projects to municipal and private clients in Florida, New York, the Dominican Republic, and Puerto Rico. The CES structural engineering staff has extensive experience in inspection and evaluation, structural design of buildings, foundations and water related structures, refurbishments, and construction phase services. Its structural engineering staff is also familiar with all applicable local building codes and design guidelines.

## Project Management

CES offers complete project management services to public and private owners. CES's extensive experience gives it a unique understanding of what can potentially affect any project, thereby allowing CES to pre-empt such events. Project management is an integral part of everything CES does. The company carefully plans and organizes all resources to achieve the project's specific objective, and utilizes the latest tools and technology to accomplish this function.

Whether a project involves construction of a new building or major public works project, or the planning of a new water distribution system, CES knows that the basic elements of effective project management remain the same. Consequently, all projects require the creation of a project plan that defines the project goals and objectives, and delineates the steps along the way. The plan also identifies tasks and the resources needed, and defines the budget and schedule required for completion. Another key aspect of any project management assignment is the assembling of the best team members for each unique project, and to support them with the best possible leadership.

As a construction project manager, CES has managed all phases of construction from pre-design through completion, including scheduling, estimating, cost control, expediting, inspection, contract administration, and management of designers, contractors, subcontractors, and suppliers.

With its considerable experience, CES is able to identify potential trouble spots on a project before they develop into problems, and recommend corrective action through planning and project controls.

## Construction Management

CES's experienced professionals offer various areas of expertise in Construction Management. The firm has completed projects for a variety of clients such as the Department of Veterans Affairs, Miami-Dade Water & Sewer Department, US Army Corps of Engineers, US Navy, and US Air Force. The company has also performed QA/QC on several School Board Projects in Dade, Broward, and Palm Beach Counties, and has also worked on Dade County Sports and Entertainment Complexes such as The American Airlines Arena, The Marlins Stadium and The Performing Arts Center. CES's Construction Management team provides exceptional quality service to all of its clients.

## Scheduling

CES utilizes Primavera and Microsoft Project products for scheduling and construction management tasks. These products also allow all team members to access project data at anytime. We utilize these tools to effectively allocate resources, assign responsibilities and set timetables for project activities.





# PROFESSIONAL SERVICES



## ENGINEERING & DESIGN SERVICES

- » Pump Station and Pipeline Design/ Rehabilitation
- » Water/Wastewater Treatment Plants
- » Adaptation for Resiliency and Sea Level Rise
- » Neighborhood Improvements
- » Civil/Stormwater
- » Structural
- » Environmental
- » Permitting
- » Electrical
- » Hydraulic/Hydrologic Modeling
- » Transportation/Roadways
- » Geotechnical
- » GIS
- » Master Planning
- » Utility Design & Coordination
- » Site Development & Design
- » Project Management
- » Solid Waste

## CONSTRUCTION RELATED SERVICES

- » Resident Engineering
- » Construction Engineering Inspection
- » MOT
- » Contract Administration
- » Record Drawing Certification
- » Debris Management/ Disaster Recovery
- » Construction Management & Administration
- » Bid Packaging, Analysis, Award
- » Value Engineering / Constructability Review
- » Safety Management
- » Cost & Schedule Control
- » Quality Assurance / Quality Control
- » Project Close-out
- » Specialty Inspections

## PROGRAM & PROJECT MANAGEMENT

- » Outfall Legislation
- » Planning
- » Document Control
- » Project Controls
- » Joint Partnership Agreements (JPAs)
- » Staff Augmentation
- » Cost Estimating
- » Design Consultant Management
- » Scheduling (P3/P6)
- » Asset Management



## WATER WORKS 2011 PROGRAM

### City of Fort Lauderdale



The Fort Lauderdale Water Works 2011 Program was a \$555 million water and sewer infrastructure upgrade program implemented by the City, with completion of the program to coincide with the City's 100-year Anniversary in 2011. The City, in an effort to provide its residents with the most up-to-date water, sewer, and drainage services, developed this long-term infrastructure capital improvements project to improve the quality of life for the City's residents and businesses.

### Engineering and Construction Services

The Water Works 2011 projects focused on water and sewer improvements in twenty neighborhood communities, including approximately 50 miles of new gravity sewer, 19 new lift stations, 19 miles of new water main, and five miles of new force main. The projects included conventional open-cut construction and trenchless technologies such as jack and bore and directional drill. Various projects in the program included:

- » Lauderdale West & Sunset North (Septic Area 3)
- » Shady Banks (Septic Area 5)
- » River Run, Flamingo Park and Oak River (Septic Area 4)
- » Edgewood (Septic Area 8)
- » River Lands & Woodlands Communities (Septic Area 2)
- » Chula Vista (Septic Area 19)
- » Dorsey Riverbend / Washington Park (Septic Area 18)
- » Miami Road Sanitary Sewer Improvements
- » Sunrise Key/Sunrise Intracoastal Water Main Improvements
- » Oakland Park Large Water Main
- » NE Large 12-inch Water Main Improvements
- » 48-inch Water Main Improvements
- » Imperial Point Water Main Improvements
- » Harbor Beach Inspection Services
- » Phase I System Wide Pump Station Upgrade Inspection Services

- » Group V Pump Station Inspection Services
- » Pump Station Lauderdale Manors / Melrose Inspection Services
- » East Las Olas Isles / Seven Isles Utility Improvements Inspection Services

## SHENANDOAH NEIGHBORHOOD IMPROVEMENTS DESIGN-BUILD

Miami-Dade County Water and Sewer Department / City of Miami



CES, as Engineer of Record, designed water main improvements for the Shenandoah neighborhood, one of the older neighborhoods within the City of Miami. The water supply for residents in the area is primarily through 2-inch water mains that are located within easements to the rear of the properties. The Miami-Dade County Water and Sewer Department (WASD) has selected our design-build team to replace the water mains with 46,000 linear feet of 8-inch water mains relocated to the public roadway right-of-way. The project area is bounded by SW 16th Street, SW 22nd Street, SW 17th Avenue and SW 27th Avenue, also referred to as Shenandoah. Additionally, the design-build team will relocate the existing water meters from the rear of the property to the front of the property and install new service lines from the water meter to the residence. The project will produce the following benefits to the residents.

- » Increase water service pressure and flow
- » Eliminate water mains within the easement at the rear of the properties
- » Relocate water meters within the public right-of-way
- » Increase fire hydrant coverage and fire protection;

Because this project takes place within the public right-of-way, as well as private property, a thorough and comprehensive community outreach program is critical to the success of this project. CES has developed a Communication program that will provide clear dialogue between the design-build team, residents, public officials, and City of Miami staff. Additionally, CES developed an aggressive project phasing program that allows for a parallel execution of multiple sequential services CES is responsible for the following services:

- » Surveying and Geotechnical services
- » Utility coordination
- » Design
- » Scheduling and cost estimating
- » Public right-of-way and Private property permitting
- » Public outreach
- » Construction phase services

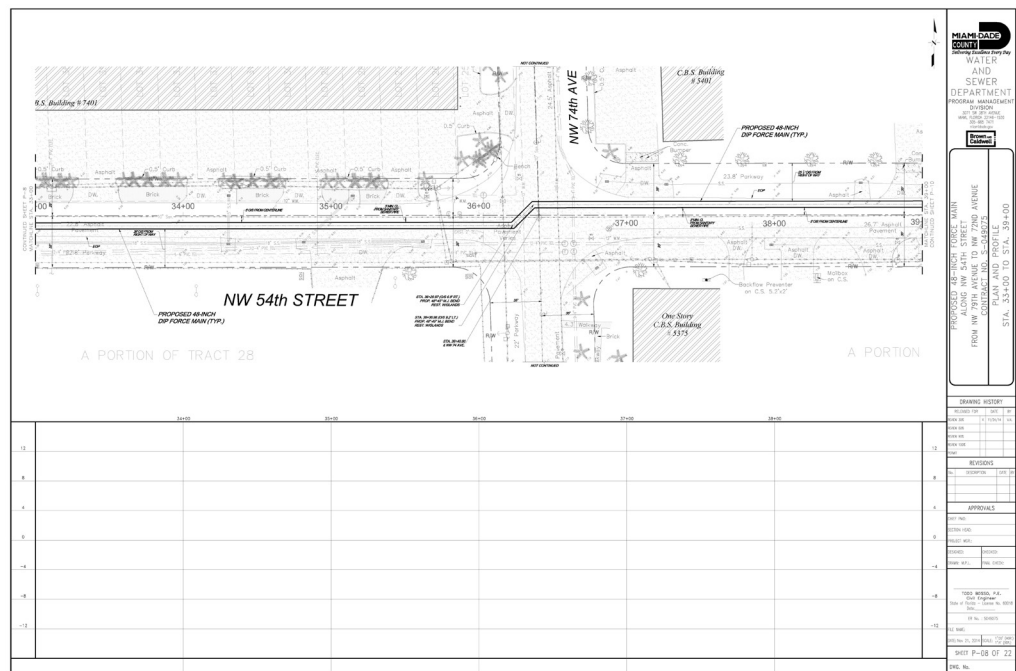
## PROGRAM MANAGEMENT SERVICES FOR THE ACCELERATED CAPITAL IMPROVEMENT PROGRAM

### Town of Palm Beach

CES Consultants has been performing Program Management Services for the Town of Palm Beach's Accelerated Capital Improvements Program since February of 2015. The Town developed this program when Bond money was very affordable and elected to complete as much of their 20-year forecast of Public Works Infrastructure Improvement needs as possible. CES provides direction and oversight for all of the processes, including procurement, design, scheduling and construction management. CES is also used as an auditor for all of the money being spent to ensure that everything is accounted for correctly, and is seamless.

CES provides a monthly report that is published on the Town's website that includes updates on all of the projects in the Program. Information includes the responsible people for the Town, Engineer and Contractor that are working on the project, along with the current activities, upcoming activities, budget and schedule information.

The total budget for the Town's Accelerated Capital Improvement Program is \$56,867,957.



### 48-INCH FORCE MAIN, NW 54TH STREET Miami-Dade County Water and Sewer Department

The Miami-Dade County Water and Sewer Department (WASD), in an effort to improve hydraulic capacity of the wastewater system within the Doral Basin, have requested the design of a 48-inch transmission force main. The 48-inch force main will extend along NW 54th Street between NW 79th Avenue and NW 72nd Avenue. The new pipeline will connect an existing 16-inch force main along NW 79th Avenue and a 48-inch along NW 72nd Avenue.

CES, as part of the design team, was retained to prepare a preliminary layout, review probable utility conflicts, and perform a preliminary design of the 48-inch transmission force main. The design is located within the central area of Doral, and includes 4,200 linear feet of PCCP force main and 400 linear feet of micro-tunneling to cross underneath SR 826. Additionally, the project requires the relocation of existing drainage structures, drainage pipes, and water mains.

The primary complexities of this project are the numerous existing utilities that can be found within this highly traveled thoroughfare. Additionally, the coordination to minimize traffic along with a micro-tunneling component to cross SR 826 adds to the complexity of this design. CES assisted the prime consultant with preliminary design, CADD services, design assistance, and quality assurance reviews.



## FORCE MAIN IMPROVEMENTS- NW 12TH AVENUE

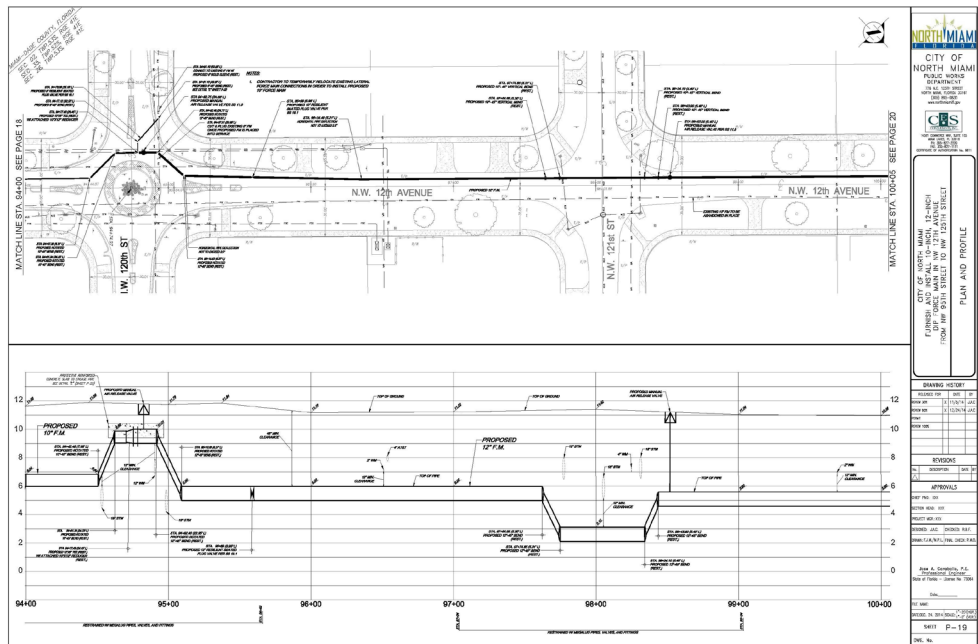
City of North Miami

The City of North Miami retained CES Consultants, Inc. to prepare a hydraulic model, and provide design, permitting, and construction services for 10,500 feet of 10/12-inch replacement force main in NW 12th Avenue extending from NW 95th Street to NW 125th Street. The new pipeline will connect to the WASD 48-inch force main leading to the North District WWTP.

The project, located in Miami-Dade County and within the City, replaces aging asbestos-cement and cast iron force mains with corrosion resistant PVC pipe. Twenty-one private pump station force main connections, and two City pump station connections, require relocation and re-connection to the new force main as well as planning for uninterrupted service during construction.

The design prepared by CES consisted of a single force main with capacity to handle the flows from the two existing force mains, plus a reserve capacity for future development. The design incorporated plan and profile sheets, soft digs to identify existing utilities with conflicting as-built data, specifications, and permits. CES provided the following services:

- » Hydraulic Modeling
- » Basis of Design Report with Alternatives
- » Complete Plan and Profile Design
- » Value Engineering
- » Preparation of Specifications
- » Cost estimating and scheduling



## WEST AVENUE NEIGHBORHOOD AND RESILIENCY IMPROVEMENTS DESIGN/BUILD

Miami Beach, FL

The scope of work for this project includes the complete replacement and rehabilitation of all public underground water, sanitary sewer, and storm sewer utilities, including a new 80,000 GPM storm water pump station within the project's corridor. In addition, as the lead civil designer, CES is responsible for the complete street redesign which includes raising the existing grade of the road-way by approximately 2 feet, a revised typical section to incorporate a pedestrian/bicyclist-friendly corridor, public/private property harmonization, new traffic signals, street lighting, and landscaping. This contract also includes the design of a "bay walk", which extends into Biscayne Bay, west of the proposed pump station.

The utilities being in-installed include 16,000 LF of water main, 7,050 LF of sanitary gravity sewer, 12,800 LF of storm sewer and an 80,000 GPM stormwater pump station and outfall.



## MIAMI DADE WASD - 24-INCH FORCE MAIN FOR PUMP STATION 0592

### Miami Gardens, FL

The Miami-Dade County Water and Sewer Department (MDWASD) established in 2010 a Pump Station Improvement Program (PSIP) for upgrading the Wastewater Collection and Transmission System (WCTS). The program includes wastewater pump stations and force mains pursuant to certification of facilities as capable of meeting a Nominal Average Pump Operating Time (NAPOT) of less than or equal to 10 hours per day. For pump stations exceeding the NAPOT Criteria, an assigned Remedial Action Plan (RAP) is developed, and a certificate of occupancy cannot be issued for connections to the WCTS upstream of a pump station until the RAP is completed. In addition, Pump Stations must not only comply with the NAPOT Criteria, but also must be able to pump peak conditions (flow and pressure) in order to obtain a RER (DERM) / FDEP permit. CES was tasked with the design of the pipeline, in compliance with MDWASD standards, for both open cut and trenchless installation sections.

MDWASD, in an effort to improve hydraulic capacity of the wastewater transmission system within Basin Number 0592, initiated design of 2,750 LF of 24-inch transmission force main to replace an existing undersized 8-inch force main, and to interconnect three hydraulically overstressed force mains. The new 24-inch force main route extends along SW 147th Avenue, between SW 184th Street and SW 176th Street, passing under a CSX rail line, and connecting to an existing 24-inch force main and existing 12-inch and 16-inch force mains.

The 2,650-foot force main interconnects three force mains serving local wastewater pump stations, providing significant improvement for system redundancy, peak flow equalization, and reduction of system pressures. The pipe material recommendations are for ductile iron pipe with interior epoxy coating for corrosion protection from wastewater, and exterior poly-wrap for protection against corrosive soils. The pipeline includes plug vales for isolation of the pipeline for maintenance and repairs, and air release valves for venting of accumulated air and gases from the wastewater. The connections to the existing force mains for the new force main were designed for connections to existing pipe stubs.

A section of the pipeline required 400 feet of micro-tunneling under a CSX local service rail line which remains in active service. Due to the CSX requirement for a cased pipeline crossing, HDD was not an acceptable trenchless method of construction, and with the local high groundwater table, the jack and bore method of construction also precluded. A 36-inch steel casing pipe was designed for the installation, with alignment spacer fittings for the 24-inch DIP force main.

The use of trenchless technology is the only viable and permissible approach for at-grade crossings of railways such as the CSX rail-line. CSX specifically prohibits the use of open-cut

installation at any rail-lines installed at grade. To ensure timely access of the CSX rail easement at the rail-line crossing, CES engaged the CSX Corridor Occupancy Services Department early in the design process to develop a plan for compliance with the CSX Utility Encroachment criteria, and acquire a CSX crossing permit to avoid impacting the construction schedule.

SW 147th Avenue is a local commuter roadway with typical residential traffic, and residential areas abutting the route. Preliminary MOT planning was necessary to determine mitigation requirements for the open cut construction, as well as for the micro-tunneling operation. Open-cut construction is programmed for the length of the pipeline within SW 147th Avenue, with the alignment extending down the east side of the roadway. The alignment selection within the roadway was predicated on the location of conflicting utilities and approach to the CSX rail line crossing.

Utilities within SW 147th Avenue, and within the intersecting roadways, include distribution water mains, gravity sewers, stormwater drainage, gas, and numerous underground telecommunications and electrical service lines. Extensive utility data research was conducted, for horizontal and vertical data, based on site visits, record drawings provided by each utility, and the site topographic survey. The need for relocation of existing utilities was minimized with the final pipeline alignment, and several deeper pipe segments.

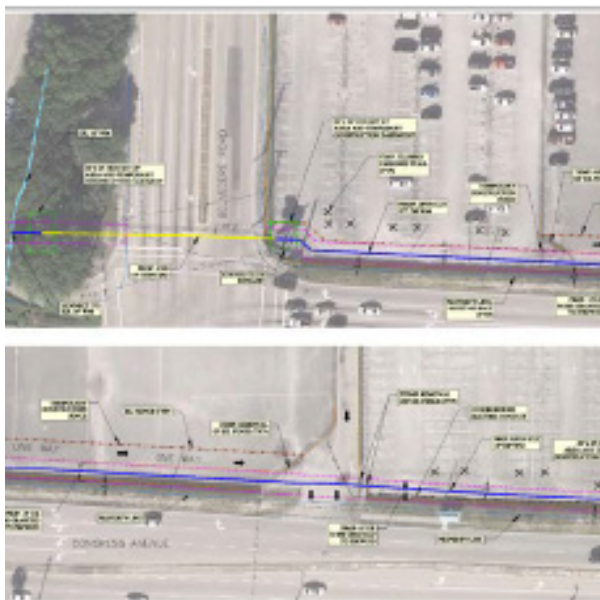
### Other Key Project Attributes

- » Congested ROW/Utility Corridors – The SW 147th Avenue corridor is a highly travelled local connector roadway with abutting residential development along with numerous underground utilities, and high voltage power lines. CES planned for MOT requirements to minimize impacts to commuters, residents, and occasional rail-line operations. Minimization of utility conflicts was accomplished with detailed planning of the pipe route configuration, in both the horizontal and vertical alignments.
- » CSX Rail Permitting – Design of the active rail-line micro-tunnel crossing required coordination with CSX and their requirements for pipe installations under active rail-lines. Specific depth of burial requirements were met along with the casing length extending beyond the ROW.
- » Trenchless Technology - Micro-tunneling was the selected installation technology due to the CSX requirements for a cased pressure pipeline, and due to the high groundwater table in the project location. The 36-inch steel casing pipe was planned with an invert approximately 10 feet below the centerline of the rails.
- » Large Diameter Open-cut Force Main – The 24-inch DIP force main was designed for open-cut installation within the length of SW 147th Avenue, excepting the CSX rail – line crossing. Several deep utility crossings necessitated design of deep trench shoring, and disposal facilities for trench dewatering of groundwater.



## WATER MAIN IMPROVEMENTS - LOOPING

Palm Beach County, FL



Through this project, PBCWUD hopes to install new water mains throughout the service area in order to:

- » Increase system capacity
- » Increase hydraulic efficiency
- » Eliminate of dead ends
- » Decrease water retention time
- » Improve water quality

The project entails improvements at 19 locations across Palm Beach County aimed at improved capacity, hydraulic efficiencies and eliminating dead-ends and reduced water retention. This includes 16,000 linear feet of pipelines of varying sizes from 4" to 12", with material including DIP, PVC and HDPE. In addition, jack and bore was used for design for major intersections and steel casing under FDOT roads.

Professional Services include:

- » Easements research, title search, acquisition of additional easements if necessary
- » Field testing and investigations
- » Community outreach support
- » Preparation of studies and reports as requested
- » Permitting support
- » Design and development of construction drawings
- » Preparation of construction cost estimates
- » Preparation of technical specifications for bidding
- » Bidding support
- » Engineering Services During Construction
- » Commissioning support

## COST ESTIMATING ENGINEERING CONSULTING SERVICES

Fort Lauderdale, Florida



The City of Fort Lauderdale plans, designs, executes, maintains, and operates a variety of Community Investment Projects (CIP) and infrastructures throughout the City. The projects include but are not limited to, park and recreation facilities, storage buildings, parking garages, maintenance buildings, utility pipelines, underground utilities, water and wastewater treatment plants, marine facilities, seawalls, docks, fire stations, auditoriums, community centers, bridges and roadways, drainage structures and culverts, wind turbines, shade structures and office buildings.

Cost estimating and cost consulting services include but not limited to: cost estimating, cost evaluation, cost analysis, cost forecasting, life cycle costing, cost accounting, earned value analyses, and capital cost estimating.

CES services under this contract consisted of providing costs estimating services to include but not limited to:

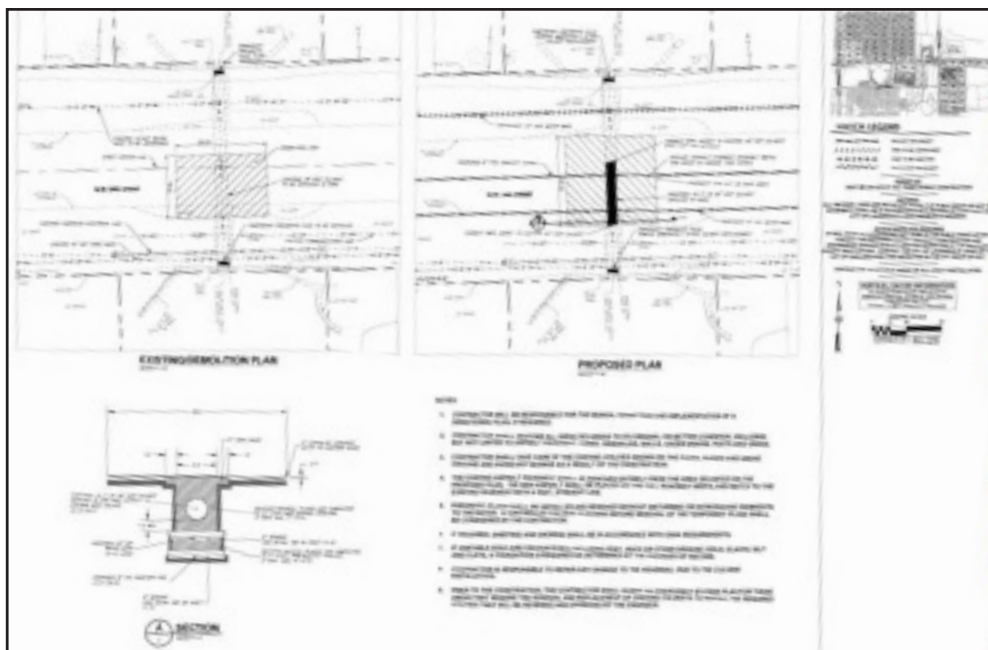
- » Cost estimating (for ALL Construction Specification Institute, CSI, Sections and divisions)
- » Capital costs estimating
- » Program cost estimating
- » Project costing
- » Quantity surveying
- » Detailed quantity take-off
- » Cost evaluation
- » Cost forecasting



- » Cost control
- » Life cycle costing
- » Earned Value Analysis (EVA)
- » Material pricing
- » Market trends price analyses

Under this contract, CES provided an Independent Cost Estimate (ICE) of probable construction costs of the Design Professional's 100% Construction Documents submittal for the labor, material, and equipment to by-pass pump, shore, dewater, protect, drain, temporarily support and relocate conflicting utilities, remove, replace, test, dispose, and restore disturbed areas for the pre-stressed concrete cylinder pipe conveying pretreated raw sewage from the pretreatment building to both reactor one and reactor two inlet boxes; and pre-stressed concrete cylinder pipe from both reactor one and reactor two outlet boxes conveying clarifier influent wastewater to battery 3 clarifier splitter box. The pre-stressed concrete cylinder pipe (PCCP) will be replaced with ductile iron pipe (DIP) or structurally lined. Some of the PCCP will be removed, but not replaced. There are approximately 1,800 linear feet of 42-inch, 48-inch, 54-inch, and 66-inch diameter of new ductile iron pipe; and approximately 500 linear feet of 48-inch and 66-inch diameter PCCP to be structurally lined. There was approximately 1,200 linear feet of 6-inch diameter fiberglass pipe conveying odor control chlorine solution originating from the chlorine building's west exterior and terminating at the pretreatment building's east exterior; the replacement pipe material shall be schedule 80 polyvinyl chloride. Additionally, cost estimate included other improvements in the construction documents and specifications.

Cost estimate was prepared in accordance with established industry standards and recommended practices, including but not limited to: The Association for the Advancement of Cost Engineers International (AACEI), the Project Management Institute (PMI), the American Institute of Architects (AIA) and the American Society of Civil Engineers (ASCE). CES provided detailed costs estimates for all sections included in the Construction Specifications institute's (CSI) including cost estimates for alternative materials, new sustainable materials.



## WATER AND SANITARY SEWER SYSTEM IMPROVEMENTS FOR UAZ 113B

Broward County, FL

CES is a key team member providing design and construction administration services for the water and sanitary sewer improvements within the BCWS Utility Analysis Zones (UAZ) 110/111 and 113.

The improvements of both UAZ 110 and UAZ 111 areas include:

- » Replacement of gravity sewer pipe, manholes, laterals
- » Replacement of a portion of the force main pipe between Lift Station 50K and 50K2
- » Connection of parcels with septic tanks to gravity sewer system
- » Replacement of water mains, water services and fire hydrants
- » Installation of new and/or upsizing water mains to maintain proper hydraulics as defined by the County
- » Installation of additional fire hydrants to provide proper coverage

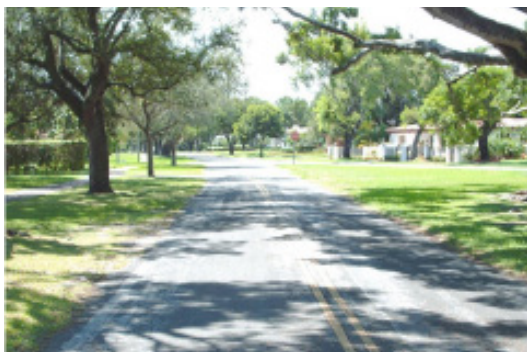
In total, the project includes the replacement of 135,000 LF of Gravity Sewer/Force Main and 152,000 LF of Water Main.

CES is providing the following services:

- » Stormwater Design
- » QA / QC of Construction Drawings
- » Constructability Review
- » Utility Review & Conflict Resolution
- » Culvert Rehabilitation and Erosion Protection
- » ACAD – Civil 3D Design & Support

## WASD E06-WASD-09, GOB WATER MAINS

### Miami-Dade County, FL



WASD, with funding from the General Obligation Bond, is upgrading the water mains throughout the County as part of project E06-WASD-09. The project will serve residential areas that currently lack water mains service or are served by undersized, older mains. Many of the areas slated for design under the master contract have water mains located within an easement at the rear of the residential properties. The project's system upgrades will also improve fire protection for the area and increase service water pressures.

CES provided design, permitting, assistance during bidding and construction services for: 9,800 LF of 8-inch Ductile Iron Cement-lined Pipe and projects located in dense residential areas within the cities of Miami and Coral Gables.

CES was tasked to design several water mains improvement projects for this county-wide program. The individual projects in this contract include the design of 8-inch Ductile Iron Pipe Water Mains ranging in length from 2,000 LF to 6,000 LF. The first task order issued was to provide design services to upgrade a 2,200 LF water main along Banos Court between University Drive and Riviera Drive in the City of Coral Gables, and then 7,600 LF within two locations in the City of Miami.

The CES design team consisted of our in-house staff, a surveying sub-consultant, and a geotechnical sub-consultant. With this simple yet exceptionally driven group of professionals, the CES design team was able to exceed the client's needs and expectations through adequate planning and regular meetings to discuss the project's progress. The total construction cost of the project is \$2M.

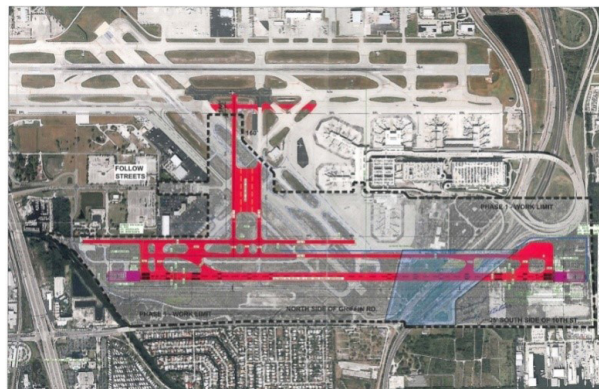
Scope of services provided:

- » Topographic and Utility Survey
- » Geotechnical Exploration
- » Existing Utilities & Future Project Coordination
- » Develop Contract Specifications
- » Develop Design Plans

- » Permitting
- » Bid Document Preparation and Assistance
- » Construction Services
- » Construction Cost and Schedule Estimates

## FLL UTILITY ATLAS UPDATE

### Broward County, FL



CES provided engineering support services to Broward County Aviation Department (BCAD) to develop an accurate Existing Utility Atlas for Ft. Lauderdale-Hollywood International Airport.

The project involved researching available As-Built information of all projects since 1997, gathering new information through soft digs and ground penetration radar, preparing and upgrading sets of plans including all new utilities installed or modified since 1997, and ensuring that there is coordination between the various information sources to create a final updated Utility Base Map.

The Utility Atlas plans was delivered in three phases: Phase I included the Utility Atlas Update for the new South Runway 9R-27L and T-4 replacement area; Phase II includes the Utility Atlas Update for all property circumscribed by Perimeter Road; and Phase III includes the Utility Atlas Update for all property located outside Perimeter Road, west of I-95, and in the Ravenswood Area, as well as tenant properties located North and West of the Airport.

CES researched information and updated the Utility Atlas for Phase I of this project and was tasked with all the drainage and water and sewer utilities existing within this work area. Research also included utility projects related to the Rental Car Center (RCC) and the coordination of previous As-Built information.

## ARCH CREEK DRAINAGE BASIN OUTREACH SERVICES

### Miami-Dade County, Florida

B&A was contracted by the Miami-Dade Department of Regulatory and Economic Resources (RER) Office of Resilience to pilot an outreach methodology for potential use in future Adaptation Action Areas and to provide technical and outreach

services to get input from local residents on proposed flood resilient solutions for the Arch Creek Drainage Basin in Miami-Dade County, FL.

Under this contract, B&A prepared a brief educational presentation for use in the public meeting and collaborated on images that represent five different flood resiliency/ adaptation solutions for the Arch Creek Drainage Basin area, including green infrastructure, living shorelines, sea walls/ berms, flood pumps, and raised streets/buildings. B&A staff also prepared promotional flyers in English, Spanish and Creole, a meeting agenda, a PowerPoint presentation, proposed flood resiliency/ adaptation alternatives, and polling survey using pairwise comparison. Upon completion of the Public Meeting, B&A prepared and uploaded the same survey and brief educational material presented at the Public Meeting for online response by local residents to provide their input and comments for a period of 15 days.



## **BROWARD COUNTY PARKS AND RECREATION WEST LAKE PARK PHASE 4 Hollywood, FL**

Miller Legg was again selected to provide both environmental and engineering services for this 1,500-acre Broward County and State-owned tidal estuarine park in Hollywood, this time for the fourth (4th) segment. The scope of services includes mitigation design and dredge and fill permitting through US Army Corps of Engineers (USACOE) and Florida Fish and Wildlife Conservation Commission (FWCC) to encourage natural/pioneer mangrove propagation, preservation of existing mangroves, negotiation of permit modifications through Broward County Environmental Protection Department (BCEPD), South Florida Water Management District (SFWMD) and USACOE services.

Specific tasks being provided for this segment are the following: Picture<M:\Deltek\Info Centers\projects\project profile images\pembroke pines foxcroft wetlands\pic 3.jpg,1.6,p,1>Miller Legg will provide compliance monitoring services for a five-year period after construction completion.



## **CITY OF PEMBROKE PINES FOXCROFT WETLANDS MITIGATION Pembroke Pines, FL**

Foxcroft Wetlands is a mitigation area being constructed by the City of Pembroke Pines in order to offset impacts to wetlands elsewhere in the City, in particular a City parking facility. Miller Legg has been tasked by the City with mitigation monitoring, herbicidal maintenance contractor coordination and observation, and post construction permit compliance for the site.

Miller Legg will produce time zero and subsequent quarterly monitoring reports in 2017 and 2018 for submittal to South Florida Water Management District (SFWMD), the Broward County Environmental Protection Department (BCEPD) and the US Army Corps of Engineers (USACE). The reports will document site conditions, survival and growth of installed species and recommend remedial actions if applicable.

## **EAST CENTRAL REGIONAL WATER RECLAMATION FACILITY (ECRWRF) BIOSOLIDS IMPROVEMENT PROJECT, PALM Beach County, FL**

This project was for the new construction of a Dewatering Building and Odor Control Facility at the East Central Region Water Reclamation Facility (ECRWRF). The structures are part of an overall design package for the upgrade of the ECRWRF Biosolids Project. RADISE provided geotechnical engineering and field/laboratory testing services.

RADISE performed the following services in accordance with the proposed scope of work: RADISE representatives visited the site and observed the planned boring locations, site conditions and reviewed access based on the provided site plan. The borings were staked by the project surveyors and located as close as



possible to the planned structural areas. Sunshine One-Call was contacted to request the field location of underground utilities in the area of the borings, as per Florida Statutes. RADISE mobilized a truck-mounted drilling rig to the site and drilled Standard Penetration Test (SPT) borings, and also Hand Auger Borings within the manufactured wetland areas where the drilling access was limited. We visually classified the collected soil samples in the field and in the laboratory using the Unified Soil Classification System (USCS) in accordance with the visual-manual method of ASTM D 2488. A limited laboratory testing program was performed to identify soil index properties and assist in classifying the soils for engineering purposes (ASTM 2487).



### References

As evidenced below, and throughout this submittal, the CES team has a proven history of providing similar engineering services to municipal clients throughout South Florida. **Below is a list of some applicable references. More available upon request.**

#### CES

School Board of Broward  
John M. Sassine  
305-216-4556

Palm Beach County Water Utilities  
Department  
Jennifer Prettel  
561-498-6098

City of Miramar  
Robin Bain  
954-883-6825

Miami Dade Water and Sewer Department  
Pump Station  
Reinaldo J. Rivera  
787-210-4339

Shenandoah Area, Phase B  
Lanzo Companies  
Michael Green  
954-826-2382

#### Miller Legg

City of Pembroke Pines  
Steven Buckland  
(954) 518-9107

RJ Behar & Company Inc.  
Javier Rodriguez  
(954) 680-7771

Broward College (BC)  
Sean Devaney  
(954) 201-6974

Broward County Parks and Recreation  
Division  
Linda Briggs Thompson  
(954) 357-8120

#### Bermello Ajamil

City of Coconut Creek  
Osama Elshami  
954.973.6786

City of Coral Springs CRA  
Danielle Cohen Lima, FRA-RP  
954.592.5075

Town of Medley  
Jorge Corzo, PE  
305.887.9542

#### RADISE

ECRWRF Board/City of West Palm Beach  
Client: Parsons  
John Osokie, PE  
(561) 656-6412

City of Riviera Beach Community  
Redevelopment Assoc.  
Client: Calvin Giordano & Associates  
Mr. David Stambaugh, PE  
(561) 681-5271

#### WSP

Miami Dade County Seaport Department  
Becky Hope  
305.347.4972

City of Miami Beach  
Albert Dominguez  
786.402.9942

Florida Department of Transportation  
Eithel Sierra, PE (APTCE PM)  
305.593.1594

31. SIGNATURE

33. NAME AND TITLE

Rudy M. Ortiz, PE, CGC / CEO

32. DATE

07/24/2018











CES Consultants, Inc. is a Certified Minority Business Enterprise as defined by the Florida Small and Minority Business Assistance Act. Below is proof of such certification.

*State of Florida*

## Minority Business Certification

**CES Consultants, Inc.**

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

01/12/2018    **to**    01/12/2020

A handwritten signature in black ink, appearing to read "Erin Rock", is positioned above a horizontal line.

Erin Rock, Secretary  
Florida Department of Management Services



office of supplier  
**DIVERSITY**  
the world knows what we're thinking

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

(OFFICE USE ONLY) Vendor number: 

Please entirely complete this vendor information form along with the IRS Form W-9, and email to [accountspayable@ppines.com](mailto:accountspayable@ppines.com)

**City of Pembroke Pines**  
**Finance Department**  
**601 City Center Way**  
**Pembroke Pines, FL 33025**

## Vendor Information Form

<b>Operating Name (Payee)</b>	CES Consultants, Inc.		
<b>Legal Name (as filed with IRS)</b>	Same as above		
<b>Remit-to Address (For Payments)</b>	880 SW 145th Avenue, Suite 106		
	Pembroke Pines, FL 33027		
<b>Remit-to Contact Name:</b>	Rudy M. Ortiz, PE, CGC	<b>Title:</b>	CEO
<b>Email Address:</b>	rortiz@cesconsult.com		
<b>Phone #:</b>	954-613-4353	<b>Fax #</b>	
<b>Order-from Address (For purchase orders)</b>	Same as above		
<b>Order-from Contact Name:</b>	Same as above	<b>Title:</b>	
<b>Email Address:</b>			
<b>Phone #:</b>		<b>Fax #</b>	
<b>Return-to Address (For product returns)</b>	Same as above		
<b>Return-to Contact Name</b>		<b>Title:</b>	
<b>Email Address:</b>			
<b>Phone #:</b>		<b>Fax #</b>	
<b>Payment Terms:</b>			

**Type of Business** (please check one and provide Federal Tax identification or social security Number)

☒ **Corporation**

**Federal ID Number:**

65-0792884

☐ **Sole Proprietorship/Individual**

**Social Security No.:**

☐ **Partnership**

☐ **Health Care Service Provider**

☐ **LLC – C (C corporation) – S (S corporation) – P (partnership)**

☐ **Other (Specify):**

**Name & Title of Applicant** Rudy M. Ortiz, PE, CGC / CEO

**Signature of Applicant**

*Rudy M. Ortiz*

**Date** July 23, 2018

Form **W-9**  
(Rev. November 2017)  
Department of the Treasury  
Internal Revenue Service

## Request for Taxpayer Identification Number and Certification

▶ Go to [www.irs.gov/FormW9](http://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.

<b>1</b> Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <b>CES Consultants Inc.</b>	
<b>2</b> Business name/disregarded entity name, if different from above	
<b>3</b> Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only <b>one</b> of the following seven boxes.  <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input checked="" type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate  <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ <b>Note:</b> 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 <b>not</b> 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.  <input type="checkbox"/> Other (see instructions) ▶ _____	<b>4</b> 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) _____  <i>(Applies to accounts maintained outside the U.S.)</i>
<b>5</b> Address (number, street, and apt. or suite no.) See instructions. <b>880 SW 145th Ave. Suite 106</b>	Requester's name and address (optional)
<b>6</b> City, state, and ZIP code <b>Pembroke Pines, FL 33027</b>	
<b>7</b> 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.

<b>Social security number</b>									
<b>or</b>									
<b>Employer identification number</b>									
6	5	-	0	7	9	2	8	8	4

### 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 ▶

Date ▶

## 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](http://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.*



## Supplier Response Form



City of Pembroke Pines

Attachment C

NON-COLLUSIVE AFFIDAVIT

BIDDER is the  ,  
(Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

Such Bid is genuine and is not a collusive or sham Bid;

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

The price of items quoted in the attached Bid are fair and proper and are not tainted by collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, owners, employees or parties in interest, including this affidavit.

Printed Name/Signature   \*

Title

Name of Company  \*

**Please enter your password below and click Save to update your response.**

**Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature.** (See [Electronic Signatures in Global and National Commerce Act](#) for more information.)

**To take exception:**

- 1) Click Take Exception.
- 2) Create a Word document detailing your exceptions.
- 3) Upload exceptions as an attachment to your offer on BidSync's system.

**By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.**

Username **cesinfo**

Password  \*

[Save](#)

[Take Exception](#)

[Close](#)

\* Required fields



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

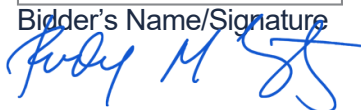
☒ A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

☐ B) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **(Please indicate which additional statement applies.)**

☐ B1) There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B2) The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B3) The person or affiliate has not been placed on the convicted vendor list. **(Please describe any action taken by or pending with the Department of General Services.)**

Rudy M. Ortiz, PE, CGC \*  
Bidder's Name/Signature  


CES Consultants, Inc. \*  
Company

July 15, 2017 \*  
Date

**Please enter your password below and click Save to update your response.**

**Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature.** (See [Electronic Signatures in Global and National Commerce Act](#) for more information.)

**To take exception:**

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- 3) Upload exceptions as an attachment to your offer on BidSync's system.

**By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.**

Username **cesinfo**

Password  \*

[Save](#)

[Take Exception](#)

[Close](#)

\* Required fields

**Supplier Response Form****CONTACT INFORMATION FORM**

IN ACCORDANCE WITH “RFQ # PSEN-18-02” titled “Professional Service Providers (Architectural, Engineering, Surveying & Mapping)” attached hereto as a part hereof, the undersigned submits the following:

**A) Contact Information**

The Contact information form shall be electronically signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. This form must be completed and submitted through [www.bidsync.com](http://www.bidsync.com) as part of the bidder's submittal.

**COMPANY INFORMATION:**COMPANY: STREET ADDRESS: CITY, STATE & ZIP CODE: **PRIMARY CONTACT FOR THE PROJECT:**NAME:  TITLE: E-MAIL: TELEPHONE:  FAX: **CORPORATE OFFICER AUTHORIZED APPROVER:**NAME:  TITLE: E-MAIL: TELEPHONE:  FAX: SIGNATURE: 

**Please enter your password below and click Save to update your response.**

Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature. (See [Electronic Signatures in Global and National Commerce Act](#) for more information.)

**To take exception:**

- 1) Click Take Exception.
- 2) Create a Word document detailing your exceptions.
- 3) Upload exceptions as an attachment to your offer on BidSync's system.

By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.

Username **cesinfo**Password  \*[Save](#)[Take Exception](#)[Close](#)

**Supplier Response Form**  
**PROFESSIONAL SERVICES FORM**

*Please check the boxes shown below that your company wants to be considered for:*

<input checked="" type="checkbox"/>	<b>General Civil and Environmental Engineering Services</b>
<input type="checkbox"/>	<b>Treatment Plant Process Engineering Services</b>
<input type="checkbox"/>	<b>Electrical Engineering Services</b>
<input checked="" type="checkbox"/>	<b>Geotechnical Services</b>
<input checked="" type="checkbox"/>	<b>Structural Engineering Services</b>
<input checked="" type="checkbox"/>	<b>Land Surveying Services</b>
<input type="checkbox"/>	<b>General Architectural Services</b>
<input checked="" type="checkbox"/>	<b>Landscape Architecture Services</b>
<input type="checkbox"/>	<b>Hydro-Geological Services</b>
<input checked="" type="checkbox"/>	<b>FDOT Roadway Engineering Services</b>

---

**Please enter your password below and click Save to update your response.**

Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature. (See [Electronic Signatures in Global and National Commerce Act](#) for more information.)

**To take exception:**

- 1) Click Take Exception.
- 2) Create a Word document detailing your exceptions.
- 3) Upload exceptions as an attachment to your offer on BidSync's system.

---

**By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.**

---

Username **cesinfo**

Password  \*

[Save](#) [Take Exception](#) [Close](#)

\* Required fields



## Supplier Response Form



City of Pembroke Pines

Attachment G

### **EQUAL BENEFITS CERTIFICATION FORM FOR DOMESTIC PARTNERS AND ALL MARRIED COUPLES**

Except where federal or state law mandates to the contrary, a Contractor awarded a Contract pursuant to a competitive solicitation shall provide benefits to Domestic Partners and spouses of its employees, irrespective of gender, on the same basis as it provides benefits to employees' spouses in traditional marriages.

The Contractor shall provide the City and/or the City Manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the Contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the City Manager has received a complaint or has reason to believe the Contractor may not be in compliance with the provisions of this section. Records shall include but not be limited to providing the City and/or the City Manager or his/her designee with certified copies of the Contractor's records pertaining to its benefits policies and its employment policies and practices.

The Contractor must conspicuously make available to all employees and applicants for employment the following statement:

**"During the performance of a contract with the City of Pembroke Pines, Florida, the Contractor will provide Equal Benefits to its employees with spouses, as defined by Section 35.39 of the City's Code of Ordinances, and its employees with Domestic Partners and all Married Couples".**

The posted statement must also include a City contact telephone number and email address which will be provided to each contractor when a covered contract is executed.

#### **SECTION 1 DEFINITIONS**

- 1. Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package which may include but is not limited to sick leave, bereavement leave, family medical leave, and health benefits.
- 2. Cash Equivalent** mean the amount of money paid to an employee with a domestic partner or spouse in lieu of providing benefits to the employee's domestic partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse from a traditional marriage.
- 3. Covered Contract** means a contract between the City and a contractor awarded subsequent to the date when this section becomes effective valued at over \$25,000 or the threshold amount required for competitive bids as required in section 35.18(A) of the Procurement Code.
- 4. Domestic Partner** shall mean any two (2) adults of the same or different sex who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such

registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partners who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Pembroke Pines.

5. **Equal benefits** means the equality of benefits between employees with spouses and/or dependents of spouses and employees with domestic partners and/or dependents of domestic partners, and/or between spouses of employees and/or dependents of spouses and domestic partners of employees and/or dependents of domestic partners.
6. **Spouse** means one member of a married pair legally married under the laws of any state within the United States of America or any other jurisdiction under which such marriage is legally recognized, irrespective of gender.
7. **Traditional marriage** means a marriage between one man and one woman.

## SECTION 2 CERTIFICATION OF CONTRACTOR

The firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of Section 35.39 "City Contractors providing Equal Benefits for Domestic Partners and all Married Couples" of the City's Code of Ordinances, and certifies the following (**Check only one box below**):

- ☒ **A.** Contractor currently complies with the requirements of this section; or
- ☐ **B.** Contractor will comply with the conditions of this section at the time of contract award; or
- ☐ **C.** Contractor will not comply with the conditions of this section at the time of contract award; or
- ☐ **D.** Contractor does not comply with the conditions of this section because of the following allowable exemption (**Check only one box below**):
  - ☐ **1.** The Contractor does not provide benefits to employees' spouses in traditional marriages;
  - ☐ **2.** The Contractor provides an employee the cash equivalent of benefits because the Contractor is unable to provide benefits to employees' Domestic Partners or spouses despite making reasonable efforts to provide them. To meet this exception, the Contractor shall provide a notarized affidavit that it has made reasonable efforts to provide such benefits. The affidavit shall state the efforts taken to provide such benefits and the amount of the cash equivalent. Cash equivalent means the amount of money paid to an employee with a Domestic Partner or spouse rather than providing benefits to the employee's Domestic Partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee's spouse;
  - ☐ **3.** The Contractor is a religious organization, association, society, or any non-profit charitable or educational institution or organization operated supervised or controlled by or in conjunction with a religious organization, association, or society;
  - ☐ **4.** The Contractor is a governmental agency;

The certification shall be signed by an authorized officer of the Contractor. Failure to provide such certification (by checking the appropriate boxes above along with completing the information below) shall result in a Contractor being deemed non-responsive.

COMPANY NAME:  \*

AUTHORIZED OFFICER NAME / SIGNATURE:  \*



Please enter your password below and click Save to update your response.

Please be aware that typing in your password acts as your electronic signature, which is just as legal and binding as an original signature. (See [Electronic Signatures in Global and National Commerce Act](#) for more information.)

**To take exception:**

- 1) Click Take Exception.
- 2) Create a Word document detailing your exceptions.
- 3) Upload exceptions as an attachment to your offer on BidSync's system.

By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.

Username **cesinfo**

Password  \*

[Save](#)

[Take Exception](#)

[Close](#)

\* Required fields



City of Pembroke Pines

Attachment M

## VENDOR DRUG-FREE WORKPLACE CERTIFICATION FORM

### SECTION 1 GENERAL TERM

Preference may be given to vendors submitting a certification with their bid/proposal certifying they have a drug-free workplace in accordance with Section 287.087, Florida Statutes. This requirement affects all public entities of the State and becomes effective January 1, 1991. The special condition is as follows:

**IDENTICAL TIE BIDS** - Preference may be given to businesses with drug-free workplace programs. Whenever two or more bids that are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drugfree workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after each 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.

### SECTION 2 AFFIRMATION

☒ Place a check mark here only if affirming bidder **complies fully** with the above requirements for a Drug-Free Workplace.

☐ Place a check mark here only if affirming bidder **does not** meet the requirements for a Drug-Free Workplace.

**Failure to complete this certification at this time (by checking either of the boxes above) shall render the vendor ineligible for Drug-Free Workplace Preference. This form must be completed by/for the proposer; the proposer **WILL NOT** qualify for Drug-Free Workplace Preference based on their sub-contractors' qualifications.**

Authorized Signature

Rudy M. Ortiz, PE, CGC

Authorized Signer Name

CES Consultants, Inc.

Company Name



City of Pembroke Pines

## Attachment I

**PROPOSER'S QUALIFICATIONS STATEMENT**

PROPOSER shall furnish the following information. Failure to comply with this requirement will render Bid non-responsive and shall cause its rejection. Additional sheets shall be attached as required.

PROPOSER'S Name and Principal Address:

CES Consultants, Inc.

880 SW 145th Avenue

Pembroke, Pines, FL 33027

Contact Person's Name and Title: Rudy M. Ortiz, PE, CGC

Contact Person's E-mail Address: rortiz@cesconsult.com

PROPOSER'S Telephone and Fax Number: 954-613-4353

PROPOSER'S License Number: 8811

**(Please attach certificate of status, competency, and/or state registration.)**

PROPOSER'S Federal Identification Number: 65-0792884

Number of years your organization has been in business 17

State the number of years your firm has been in business under your present business name 17

State the number of years your firm has been in business in the work specific to this solicitation:  
17

Names and titles of all officers, partners or individuals doing business under trade name:

Rudy M. Ortiz, PE, CGC

The business is a: Sole Proprietorship ☐ Partnership ☐ Corporation ☒

IF USING A FICTITIOUS NAME, SUBMIT EVIDENCE OF COMPLIANCE WITH FLORIDA FICTITIOUS NAME STATUTE. (ATTACH IN PROPOSER EXHIBIT SECTION)



*City of Pembroke Pines***Attachment I**

Under what former name has your business operated? Include a description of the business. Failure to include such information shall be deemed to be intentional misrepresentation by the City and shall render the proposer RFP submittals non-responsive.

N/A

At what address was that business located?

N/A

Name, address, and telephone number of surety company and agent who will provide the required bonds on this contract:

N/A

Have you ever failed to complete work awarded to you. If so, when, where and why?

No

Have you personally inspected the proposed WORK and do you have a complete plan for its performance?

Yes



City of Pembroke Pines

## Attachment I

Will you subcontract any part of this WORK? If so, give details including a list of each subcontractor(s) that will perform work in excess of ten percent (10%) of the contract amount and the work that will be performed by each subcontractor(s).

See following attachment

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The foregoing list of subcontractor(s) may not be amended after award of the contract without the prior written approval of the Contract Administrator, whose approval shall not be reasonably withheld.

List and describe all bankruptcy petitions (voluntary or involuntary) which have been filed by or against the Proposer, its parent or subsidiaries or predecessor organizations during the past five (5) years. Include in the description the disposition of each such petition.

N/A

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List and describe all successful Bond claims made to your surety (ies) during the last five (5) years. The list and descriptions should include claims against the bond of the Proposer and its predecessor organization(s).

N/A

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List all claims, arbitrations, administrative hearings and lawsuits brought by or against the Proposer or its predecessor organizations(s) during the last (10) years. The list shall include all case names; case, arbitration or hearing identification numbers; the name of the project over which the dispute arose; and a description of the subject matter of the dispute.

See the following attachment

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City of Pembroke Pines

## Attachment I

List and describe all criminal proceedings or hearings concerning business related offenses in which the Proposer, its principals or officers or predecessor organization(s) were defendants.

N/A

Has the Proposer, its principals, officers or predecessor organization(s) been CONVICTED OF A Public Entity Crime, debarred or suspended from bidding by any government entity? If so, provide details.

No

Are you an ☒ Original provider ☐ sales representative ☐ distributor, ☐ broker, ☐ manufacturer ☐ other, of the commodities/services proposed upon? If other than the original provider, explain below.

Have you ever been debarred or suspended from doing business with any governmental agency? If yes, please explain:

No



City of Pembroke Pines

## Attachment I

Describe the firm's local experience/nature of service with contracts of similar size and complexity, in the previous three (3) years:

CES has been providing engineering services to South Florida municipalities, including City of Miramar and Broward County, since 2001. These projects have included water main replacement projects, neighborhood improvements and pump station rehab and design. Project examples are provided under SF330 section F as well as SF330 section .

The PROPOSER acknowledges and understands that the information contained in response to this Qualification Statement shall be relied upon by CITY in awarding the contract and such information is warranted by PROPOSER to be true. The discovery of any omission or misstatement that materially affects the PROPOSER'S qualifications to perform under the contract shall cause the CITY to reject the Bid, and if after the award, to cancel and terminate the award and/or contract.

CES Consultants, Inc.

\_\_\_\_\_  
(Company Name)

Rudy M. Ortiz, PE, CGC

\_\_\_\_\_  
(Printed Name/Signature)

## ATTACHMENT I.

**Question:** Will you subcontract any part of this WORK? If so, give details including a list of each sub-contractor(s) that will perform work in excess of ten percent (10%) of the contract amount and the work that will be performed by each subcontractor(s).

SUBCONSULTANT	ADDRESS	ROLE	PERCENTAGE
<b>Bermello Ajamil &amp; Partners, Inc.</b>	900 SE 3rd Ave. Suite 203 Ft. Lauderdale, FL 33316	General Civil	TBD
<b>Miller Legg</b>	5747 N Andrews Way Ft. Lauderdale, FL 33309	Land Survey, Landscape	TBD
<b>RADISE International</b>	3296 NW 9th Avenue, Oakland Park FL 33309	Geotechnical	TBD
<b>WSP USA Inc.</b>	7650 Corporate Center Drive, Airport Corporate Center Building 10, Suite 300 Miami FL, 33126	Roadway	TBD

## ATTACHMENT I.

**Question:** List all claims, arbitrations, administrative hearings and lawsuits brought by or against the Proposer or its predecessor organizations(s) during the last (10) years. The list shall include all case names; case, arbitration or hearing identification numbers; the name of the project over which the dispute arose; and a description of the subject matter of the dispute.

**Answer:** CES Consultants, Inc. is not involved in current/pending or past litigation/arbitration in the last ten years, which is likely to have a material negative impact on the Contractor's ability to execute this project.

CES Consultants, Inc. does not display an undesirable pattern of litigation with owners over construction matters.

CES Consultants, Inc. has not had a claim against its bonding company in the last ten years wherein the bonding company was required to take over and complete the project or pay outstanding liens on the project.

In addition, CES does not have any construction arbitration demands filed by, or against, the contractor in the last ten. However, below we have provided ALL cases for the past ten years as requested by the City.

Case: Veneisy Andrade v. CES Consultants, Inc; Case Number 2018-016690-CA-01; 5/18/2018.  
Claims for Discrimination – Employment or Other.

Response: This case is an employment that is unrelated to performance on any project or contract and unrelated to any client.



Case: Veneisy Andrade v. CES Consultants, Inc. and Rudy Ortiz; Case NO: 17-CV-23655; 10/05/2017. Claims for FLSA Overtime Wage Violation(s), Breach of Contract, Promissory Estoppel.

Response: This case is an employment that is unrelated to performance on any project or contract and unrelated to any client.

Case: AA Moped Motorsports of MIA, Inc. v. Sim G Technologies and CES Consultants, Inc., 10-035514-CA-01 6/25/2010 Claim for failure to timely perform contract Dismissed for lack of prosecution on 7/27/2015

Response: This case resulted from a contract owned by a company, Sim G. Technologies (llc), which was acquired by CES in 2008.

This contract was not included in the transfer of assets to CES as part of the acquisition. CES was however named in the lawsuit, nevertheless, the case was dismissed without findings or judgements against CES, or payment by CES.

Case: Bellsouth Telecommunications, Inc. v. CES Consultants, Inc., 10-015882-SP-05 9/27/2010 Contract Indebtedness Dismissed on 1/27/2011

Response: CES has no records or information in its files relating to this case. We have however, located the enclosed Court Record confirming Dismissal with Prejudice.

Case: Aerotek, Inc. v. CES Consultants, Inc., 12-008429-CC-25 12/13/2012 Contract indebtedness/failure to pay subconsultant Judgment entered against CES on 2/20/13

Response: This case is unrelated to performance on any project or contract, and unrelated to any client. Nor was the case ever litigated. This case resulted from a dispute on charges made by Aerotek, a staffing agency, not a subconsultant, which, in the interest of time and resources, CES followed council advice agreeing to payment despite the fact that the claim was invalid.

These two cases are related to the same automobile accident:

Case (1 of 2): Brandy Love v. Raymond F. Davidson and CES Consultants, Inc., Case No. 2012CA007340 filed on April 16, 2012 in the 15th Judicial Circuit for Palm Beach County

Response: This case is unrelated to performance on any project or contract, and unrelated to any client. Nor was the case ever litigated. This case relates to an automobile accident by an employee of CES which was handled in mediation by attorneys representing our Automobile insurance carrier.

Case (2 of 2): Crystal Seider v. CES Consultants, Inc. and Raymond F. Davidson, Case No. 2012CA016738 filed on September 11, 2012 in the 15th Judicial Circuit for Palm Beach County.

Response: This case is unrelated to performance on any project or contract, and unrelated to any client. Nor was the case ever litigated. This case relates to an automobile accident by an employee of CES which was handled in mediation by attorneys representing our Automobile insurance carrier.

Attachment L

p. 88

- 2) Create a Word document detailing your exceptions.
- 3) Upload exceptions as an attachment to your offer on BidSync's system.

By completing this form, your bid has not yet been submitted. Please click on the place offer button to finish filling out your bid.

Username **cesinfo**

Password  \*

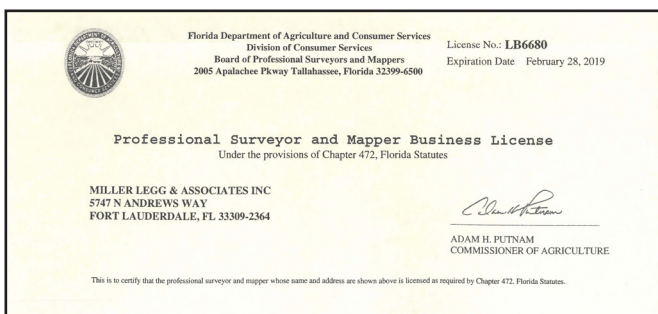
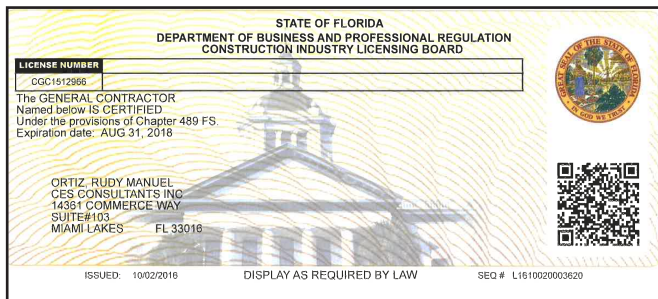
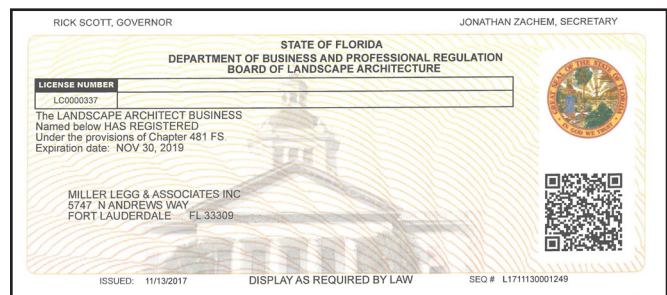
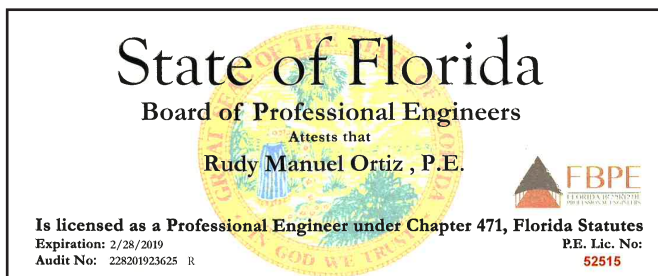
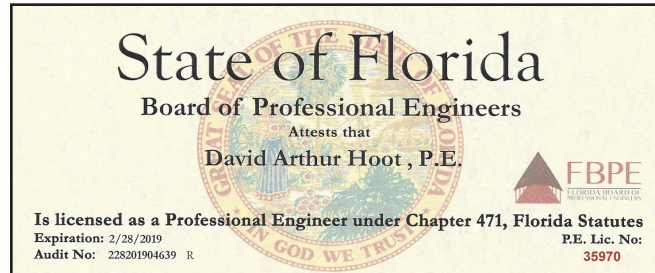
[Save](#)

[Take Exception](#)

[Close](#)

\* Required fields

# PROFESSIONAL REGISTRATION CERTIFICATES



Supplier: **CES Consultants, Inc.**



City of Pembroke Pines

Attachment C

**NON-COLLUSIVE AFFIDAVIT**

BIDDER is the **CES Consultants, Inc.**,

(Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

Such Bid is genuine and is not a collusive or sham Bid;

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

The price of items quoted in the attached Bid are fair and proper and are not tainted by collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, owners, employees or parties in interest, including this affidavit.

Printed Name/Signature **Rudy M. Ortiz, PE, CGC**

Title **CEO**

Name of Company **CES Consultants, Inc.**



Supplier: **CES Consultants, Inc.**



City of Pembroke Pines

Attachment D

**SWORN STATEMENT  
ON PUBLIC ENTITY CRIMES  
UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a).**

1. This sworn statement is submitted **CES Consultants, Inc.** (name of entity submitting sworn statement) whose business address is **880 SW 145th Ave Suite 106, Pembroke Pines, FL** and (if applicable) its Federal Employer Identification Number (FEIN) is **65-0792884**. (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: .)
2. My name is **Rudy M. Ortiz, PE, CGC** and my  
(Please print name of individual signing)  
  
relationship to the entity named above is **CEO**.
3. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
4. I understand that a "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
5. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
  1. A predecessor or successor of a person convicted of a public entity crime: or
  2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The Cityship by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
6. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any

natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

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

☒ A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

☐ B) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **(Please indicate which additional statement applies.)**

☐ B1) There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B2) The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B3) The person or affiliate has not been placed on the convicted vendor list. **(Please describe any action taken by or pending with the Department of General Services.)**

**Rudy M. Ortiz, PE, CGC**  
Bidder's Name/Signature

**CES Consultants, Inc.**  
Company

**July 15, 2018**  
Date

Supplier: **CES Consultants, Inc.**

**CONTACT INFORMATION FORM**

IN ACCORDANCE WITH “RFQ # PSEN-18-02” titled “**Professional Service Providers (Architectural, Engineering, Surveying & Mapping)**” attached hereto as a part hereof, the undersigned submits the following:

**A) Contact Information**

The Contact information form shall be electronically signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. This form must be completed and submitted through [www.bidsync.com](http://www.bidsync.com) as part of the bidder's submittal.

**COMPANY INFORMATION:**

COMPANY: **CES Consultants, Inc.**

STREET ADDRESS: **880 SW 145th Ave**

CITY, STATE & ZIP CODE: **Pembroke Pines, FL 33027**

**PRIMARY CONTACT FOR THE PROJECT:**

NAME: **David Hoot, PE** TITLE: **Vice President**

E-MAIL: **dhoot@cesconsult.com**

- TELEPHONE: **(954) 613-4353** FAX:

**CORPORATE OFFICER AUTHORIZED APPROVER:**

NAME: **Rudy M. Ortiz, PE, CGC** TITLE: **CES**

E-MAIL: **rortiz@cesconsult.com**

- TELEPHONE: **(954) 613-4353** FAX:

SIGNATURE: **Rudy M. Ortiz, PE, CGC**

Supplier: **CES Consultants, Inc.**

**PROFESSIONAL SERVICES FORM**

*Please check the boxes shown below that your company wants to be considered for:*

<input checked="" type="checkbox"/>	<b>General Civil and Environmental Engineering Services</b>
<input type="checkbox"/>	<b>Treatment Plant Process Engineering Services</b>
<input type="checkbox"/>	<b>Electrical Engineering Services</b>
<input checked="" type="checkbox"/>	<b>Geotechnical Services</b>
<input checked="" type="checkbox"/>	<b>Structural Engineering Services</b>
<input checked="" type="checkbox"/>	<b>Land Surveying Services</b>
<input type="checkbox"/>	<b>General Architectural Services</b>
<input checked="" type="checkbox"/>	<b>Landscape Architecture Services</b>
<input type="checkbox"/>	<b>Hydro-Geological Services</b>
<input checked="" type="checkbox"/>	<b>FDOT Roadway Engineering Services</b>

Supplier: **CES Consultants, Inc.**



City of Pembroke Pines

Attachment G

## **EQUAL BENEFITS CERTIFICATION FORM FOR DOMESTIC PARTNERS AND ALL MARRIED COUPLES**

Except where federal or state law mandates to the contrary, a Contractor awarded a Contract pursuant to a competitive solicitation shall provide benefits to Domestic Partners and spouses of its employees, irrespective of gender, on the same basis as it provides benefits to employees' spouses in traditional marriages.

The Contractor shall provide the City and/or the City Manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the Contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the City Manager has received a complaint or has reason to believe the Contractor may not be in compliance with the provisions of this section. Records shall include but not be limited to providing the City and/or the City Manager or his/her designee with certified copies of the Contractor's records pertaining to its benefits policies and its employment policies and practices.

The Contractor must conspicuously make available to all employees and applicants for employment the following statement:

**“During the performance of a contract with the City of Pembroke Pines, Florida, the Contractor will provide Equal Benefits to its employees with spouses, as defined by Section 35.39 of the City's Code of Ordinances, and its employees with Domestic Partners and all Married Couples”.**

The posted statement must also include a City contact telephone number and email address which will be provided to each contractor when a covered contract is executed.

### **SECTION 1 DEFINITIONS**

1. **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package which may include but is not limited to sick leave, bereavement leave, family medical leave, and health benefits.
2. **Cash Equivalent** mean the amount of money paid to an employee with a domestic partner or spouse in lieu of providing benefits to the employee's domestic partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse from a traditional marriage.
3. **Covered Contract** means a contract between the City and a contractor awarded subsequent to the date when this section becomes effective valued at over \$25,000 or the threshold amount required for competitive bids as required in section 35.18(A) of the Procurement Code.
4. **Domestic Partner** shall mean any two (2) adults of the same or different sex who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partners who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are



located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Pembroke Pines.

5. **Equal benefits** means the equality of benefits between employees with spouses and/or dependents of spouses and employees with domestic partners and/or dependents of domestic partners, and/or between spouses of employees and/or dependents of spouses and domestic partners of employees and/or dependents of domestic partners.
6. **Spouse** means one member of a married pair legally married under the laws of any state within the United States of America or any other jurisdiction under which such marriage is legally recognized, irrespective of gender.
7. **Traditional marriage** means a marriage between one man and one woman.

## SECTION 2 CERTIFICATION OF CONTRACTOR

The firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of Section 35.39 "City Contractors providing Equal Benefits for Domestic Partners and all Married Couples" of the City's Code of Ordinances, and certifies the following (**Check only one box below**):

- ☒ **A.** Contractor currently complies with the requirements of this section; or
- ☐ **B.** Contractor will comply with the conditions of this section at the time of contract award; or
- ☐ **C.** Contractor will not comply with the conditions of this section at the time of contract award:  
or
- ☐ **D.** Contractor does not comply with the conditions of this section because of the following allowable exemption (**Check only one box below**):
- ☐ **1.** The Contractor does not provide benefits to employees' spouses in traditional marriages;
- ☐ **2.** The Contractor provides an employee the cash equivalent of benefits because the Contractor is unable to provide benefits to employees' Domestic Partners or spouses despite making reasonable efforts to provide them. To meet this exception, the Contractor shall provide a notarized affidavit that it has made reasonable efforts to provide such benefits. The affidavit shall state the efforts taken to provide such benefits and the amount of the cash equivalent. Cash equivalent means the amount of money paid to an employee with a Domestic Partner or spouse rather than providing benefits to the employee's Domestic Partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee's spouse;
- ☐ **3.** The Contractor is a religious organization, association, society, or any non-profit charitable or educational institution or organization operated supervised or controlled by or in conjunction with a religious organization, association, or society;
- ☐ **4.** The Contractor is a governmental agency;

**The certification shall be signed by an authorized officer of the Contractor. Failure to provide such certification (by checking the appropriate boxes above along with completing the information below) shall result in a Contractor being deemed non-responsive.**

COMPANY NAME: **CES Consultants, Inc.**

AUTHORIZED OFFICER NAME / SIGNATURE: **Rudy M. Ortiz, PE, CGC**



Attachment L

I, **Rudy M. Ortiz, PE, CGC,** on behalf of **CES Consultants, Inc.,**  
 Print Name and Title Company Name

1. Does not participate in a boycott of Israel; and
2. Is not on the Scrutinized Companies that Boycott Israel list; and
3. Is not on the Scrutinized Companies with Activities in Sudan List; and
4. Is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and
5. Has not engaged in business operations in Syria.

As the person authorized to sign on behalf of the Contractor, I hereby certify that the company identified above in the section entitled "Contractor Name" does not participate in any boycott of Israel, is not listed on the Scrutinized Companies that Boycott Israel List, is not listed on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List, and is not engaged in business operations in Syria. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject the company to civil penalties, attorney's fees, and/or costs. I further understand that any contract with the City for goods or services may be terminated at the option of the City if the company is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

**CEO**  
Title

3

4